

Vision 2030

Report for sustainable
development goals



 **SUSTAINABLE DEVELOPMENT GOALS**

<p>1 NO POVERTY</p> 	<p>2 ZERO HUNGER</p> 	<p>3 GOOD HEALTH AND WELL-BEING</p> 	<p>4 QUALITY EDUCATION</p> 	<p>5 GENDER EQUALITY</p> 	<p>6 CLEAN WATER AND SANITATION</p> 
<p>7 AFFORDABLE AND CLEAN ENERGY</p> 	<p>8 DECENT WORK AND ECONOMIC GROWTH</p> 	<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p> 	<p>10 REDUCED INEQUALITIES</p> 	<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p> 	<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p> 
<p>13 CLIMATE ACTION</p> 	<p>14 LIFE BELOW WATER</p> 	<p>15 LIFE ON LAND</p> 	<p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p> 	<p>17 PARTNERSHIPS FOR THE GOALS</p> 	<p> SUSTAINABLE DEVELOPMENT GOALS</p>



“Build Dreams that Change the World”

This is MRV's purpose and what drives us for 40 years building houses and housing solutions, integrating people and making true the dreams of many Brazilians, transforming their lives and their future.

Early in our history, we learned that our products had a power to change lives and people, especially our customers, what we did made our employees and partners proud, as it also transformed their lives and helped them make their dreams true.

MRV's growth showed that we could go beyond the walls of our ventures and our Company, work to improve neighborhoods, provide empowerment for the population, and support local suppliers and social organizations. We had the power to transform cities, expanding their infrastructure, building squares, schools, police stations, health stations, among other improvement actions that allowed the society to access fundamental rights and guarantees.



With the trust of our customers, employees and partners, today we are changing Brazil. We are the largest and best construction company in Latin America, present in 23 states plus the Federal District. We have already made true the dream of over one million Brazilians and, with the impressive number that every 3 minutes, we hand over a property key to a new owner and 1 in 200 Brazilians lives in a MRV product.

Our past makes us proud and the future encourages us! We want to change the world and the next decade will be key to that. By 2030, the 2nd stage of promotion of the Sustainable Development, which will be organized by companies, institutions, people and governments represented at the UN, should be completed. With our adherence to the UN Global Compact and our commitment to the 2030 Agenda, the 17 Sustainable Development Goals (SDGs) guide our actions and our strategy for growth and friendliness with our planet and our community.

By 2030 MRV will be 51 years old and we want this milestone to be celebrated throughout society and by us, as we recognize that throughout its history the Company has always been guided by the needs of Brazilian society and acted to foster sustainability.

In order to achieve these results by 2030, we need immediate action and we have been working for some years to align the SDGs with our activities, seeking to increase our ability to contribute to their achievement.

This year, I am convinced that MRV is consolidating as a sustainable company. We have created an Executive Board of Institutional Relations and Sustainability that will be at the forefront of our sustainability efforts over the next decade.



In addition, with the support of professionals from all departments of the company, we built our Corporate Sustainability Vision (**Visão 2030 MRV**), which uses the SDGs as strategic guiding factors for the development of our business in the coming years. We are structuring a culture of sustainability capable of promoting environmental, social and economic gains for all our related audiences.

To record how we act and practice sustainable actions, we mention two cases of MRV - Usinas Solares Fotovoltaicas MRV and Vizinho do Bem MRV, in which we seek to demonstrate our ability to act in actions that bring short, medium- and long-term results, contributing to Visão 2030 MRV.

Usinas Solares Fotovoltaicas MRV (MRV Photovoltaic Solar Power Program) program will add to the Brazilian energy matrix an installed power generation capacity of 40 GWh by 2025, which is equivalent to supplying a city with 70,000 inhabitants for one year. **Vizinho do Bem MRV** (Good Neighbor) program was implemented in 12 projects, promoting improvements in the neighborhood through 77 community training courses, 10 supported social projects and R \$ 2 million invested in the program over the last 2 years.

In addition, **Vizinho do Bem MRV** not only treats the neighborhood residents with respect and consideration in the process of building a new venture, but also includes Escola Nota 10, an MRV program already implemented in 170 construction sites, benefiting over 4,500 people with literacy, vocational training and digital inclusion courses.

The report in which we present the results of the work of MRV's team demonstrates the protagonism of the Company and its efforts in the search for the SDGs in Brazil and is an inspiration to other organizations. This publication is an invitation for a dialogue between the 3 sectors of society, on the paths that we must follow in the next decade and a demonstration of the contribution that the private sector can make to a new process of sustainable economic and social development for a better Brazil and a better world.

Making dreams come true is our passion, transforming the world is our ideal. We wish you all a great reading.

Eduardo Fischer and
Menin

Rafael





A new approach to new challenges

MRV and Sustainable Development Goals

MRV Engenharia is the largest building company in Latin America, a pioneer in the homebuilding market. Since 1979 it has been dedicated to the construction of housing developments, offering its clients the best and most modern services in the market, with the objective of providing families with comfort, convenience and efficiency.

Without forgetting environmental and social issues, MRV is constantly seeking to innovate, developing economic, creative and intelligent environmental solutions, maintaining the high-quality standard of its properties. Currently more than one million Brazilians live in the more than 400 thousand properties delivered by the company. The key to a new apartment is delivered to a customer every three minutes.



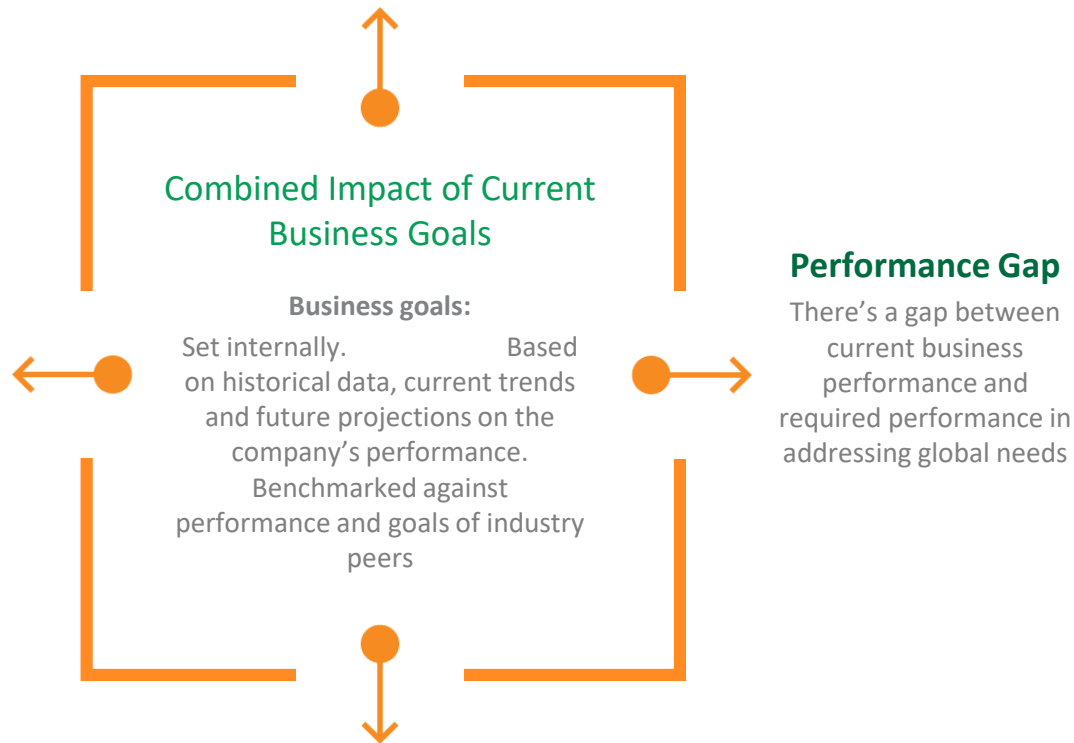
Due to its size, the number of people it impacts and transacted resources it coordinates, the company knows that its sustainability goes beyond the limits of the business: MRV's sustainability is directly linked to Brazilian sustainability!

Therefore, MRV seeks to be an exponent of corporate sustainability. Currently, the company is part of the Brazilian Commission of the UN's Global Compact, of Ethos Institute's Institutional Committee and is included in the portfolio of B3's (Brazilian Stock Exchange) Corporate Sustainability Index (ISE). Aware of these commitments, MRV reports every year on the evolution of its actions aimed at achieving the 17 Sustainable Development Goals (SDGs).

However, a leadership position goes beyond an "inside-out view", that is, observing what the company does and connecting these actions to the SDGs. MRV proposes to reverse this logic. Considering that the SDGs are goals embraced by all of society, the company is seeking to understand what role it is expected to play as a corporate citizen. Thus, it proposes to adopt an "outside-in view", in other words: to understand what contribution is expected from it, to enable the achievement of the SDGs, and, from there, to build its strategy to generate positive environmental, economic and social results, effectively contributing to the Global Goals.

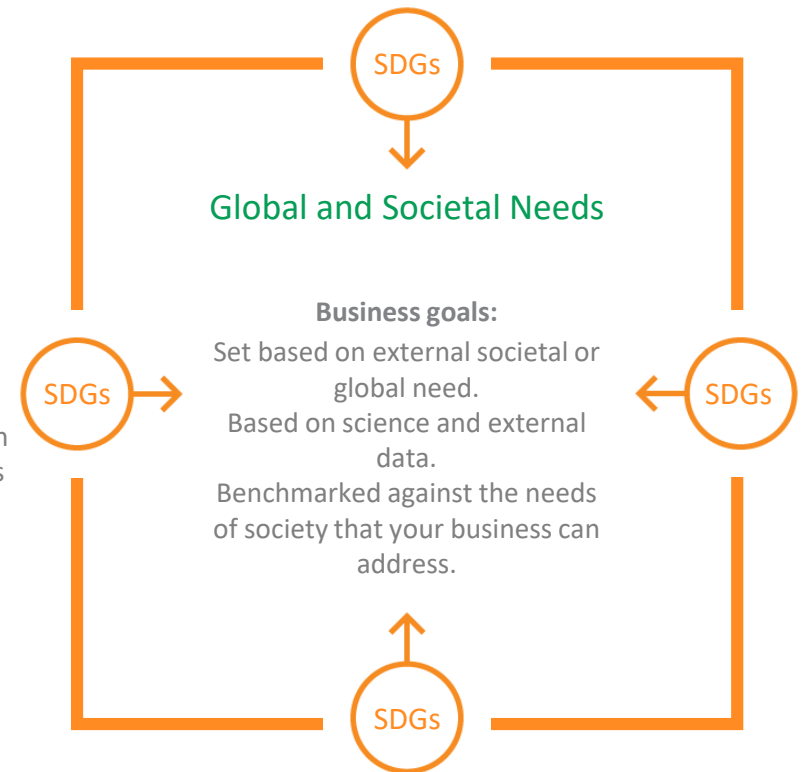
Inside out Approach

Today's internally focused approach to goal setting is not enough to address global needs.



Outside in Approach

By looking at what is needed externally from a global perspective and setting goals accordingly, businesses will bridge the gap between current performance and required performance. The SDGs represent an unprecedented political consensus on what level of progress is desired at the global level





This new approach is innovative and presents a series of challenges to materialize, of which we highlight:

- Absence of national quantitative values for most SDGs and their targets; and
- Lack of clear and objective indicators, which makes it difficult to establish correlations between the SDGs and the housing sector.

With this new vision, MRV will be able to expand the alignment between its business and sustainability, generating more and more shared value with its operations.



MRV's Sustainable Development Goals and Value Chain

SDGs impacting some stages of the Value Chain



Several Goals are influenced by MRV's performance as a whole. Examples are issues related to gender equality, combating corruption and providing decent working conditions. The company is structuring its governance and management to increase its positive impact in relation to the SDGs.

The 2030 Agenda

MRV's effort to align its actions with the SDGs has already extended over some of years. In 2018, a diagnosis was made to define the Goals and Targets more adherent to the company's business.



The 2030 Agenda is comprised of 17 Sustainable Development Goals (SDGs) and its 169 targets. It is a global action that brings together inter-sector efforts (government, society and the private sector) to overcome the global challenges. The main objective of the SDGs is the eradication of poverty through the interrelationship of environmental, social and economic topics of sustainability. The pursuit of the 2030 Agenda is the most inclusive process in the history of the United Nations and aims primarily to put the world on a sustainable path.

The SDGs include, globally, nationally and sector-wide goals. Global actions are translated into national plans, policies, initiatives and actions, which in turn become adaptable to the realities of each sector. Because of their representativeness in all countries, companies can contribute to the achievement of the SDGs by deepening discussions on country targets, proposing strategies and working together with governments and civil society on practical actions to achieve the targets, and by supporting the definition of national performance indicators.

This year it was necessary to review the process, due to the publication of Ipea's (Brazilian Institute of Applied Economic Research) report, which presents a proposal for adapting the Global Goals to Brazilian reality. In this document it was defined that 167 of the 169 SDG Targets are relevant to the country. In addition, the wording of many Targets was changed to bring them closer to the Brazilian reality.

With this new framework, the construction of the **MRV Vision 2030** began, that is, the company's proposal for an effective contribution to the 2030 Sustainable Development Agenda. This construction was carried out with the support of all the company's departments, which presented their vision on the best way for MRV to operate, in order to strengthen the integration of sustainability in the business.

As a result, **MRV's Vision 2030 Projections** were built, detailing the main information needed to guide MRV's professionals' actions towards sustainability. The Projections consist of the following:

MRV Vision 2030

MRV's effort to align its actions with the SDGs has already extended over some years. In 2018, a diagnosis was made in order to define the Goals and Targets most adherent to the company's business.



How to read projections



SDG Brazilian Target

- Drafting of the target appropriate to Brazilian reality, as published by the Brazilian Institute of Applied Economic Research (Ipea);



Relationship with the MRV business

- The relationship seeks to align the goal with MRV's business activities:

MRV's value chain linked to each Target, as follows:

- Land acquisition;
- Real Estate project;
- Construction;
- Supply chain mobilization;
- Real estate commercialization; and
- Real estate use and occupation;

MRV departments with the highest contribution to the Target's achievement; and

Synthesized presentation of the connections among MRV's activities and the Target.



MRV Vision 2030

- Presents MRV's intention to contribute to the target, highlighting that parts of the business should be mobilized to achieve the Vision.



MRV Vision 2030 Curve of Reach

- The likelihood of achieving the Vision by 2030 depends on two main factors - the company's distance to the Vision and the pace at which it is evolving to achieve it. To this effect, it was sought to identify which evolution curve best suited the process envisaged. The possible mapped curves were:
 - Linear curve: constant trajectory towards the Vision;
 - Exponential curve: trajectory with increasing acceleration towards the Vision;
 - Logarithmic curve: trajectory with decreasing acceleration towards the Vision;
 - Cyclical curve: trajectory in cycles, with stages of growth and others of setbacks towards the Vision.



Justification

- Explains the reasons for preparing the MRV 2030 Vision for the target and, whenever possible, demonstrates through data that the Vision is in accordance with the company's participation in the market or in society.



Milestones for achieving the MRV Vision 2030

- For MRV professionals to be able to track their performance on each target, intermediate milestones will be created, according to the Vision's achievement curve.



Exponential



Linear



Logarithmic



Cyclical

Theory of Change

The **Theory of Change** is a strategic tool that helps companies and organizations map the processes, activities and results of projects and programs, indicating the path that must be followed to achieve the change desired.

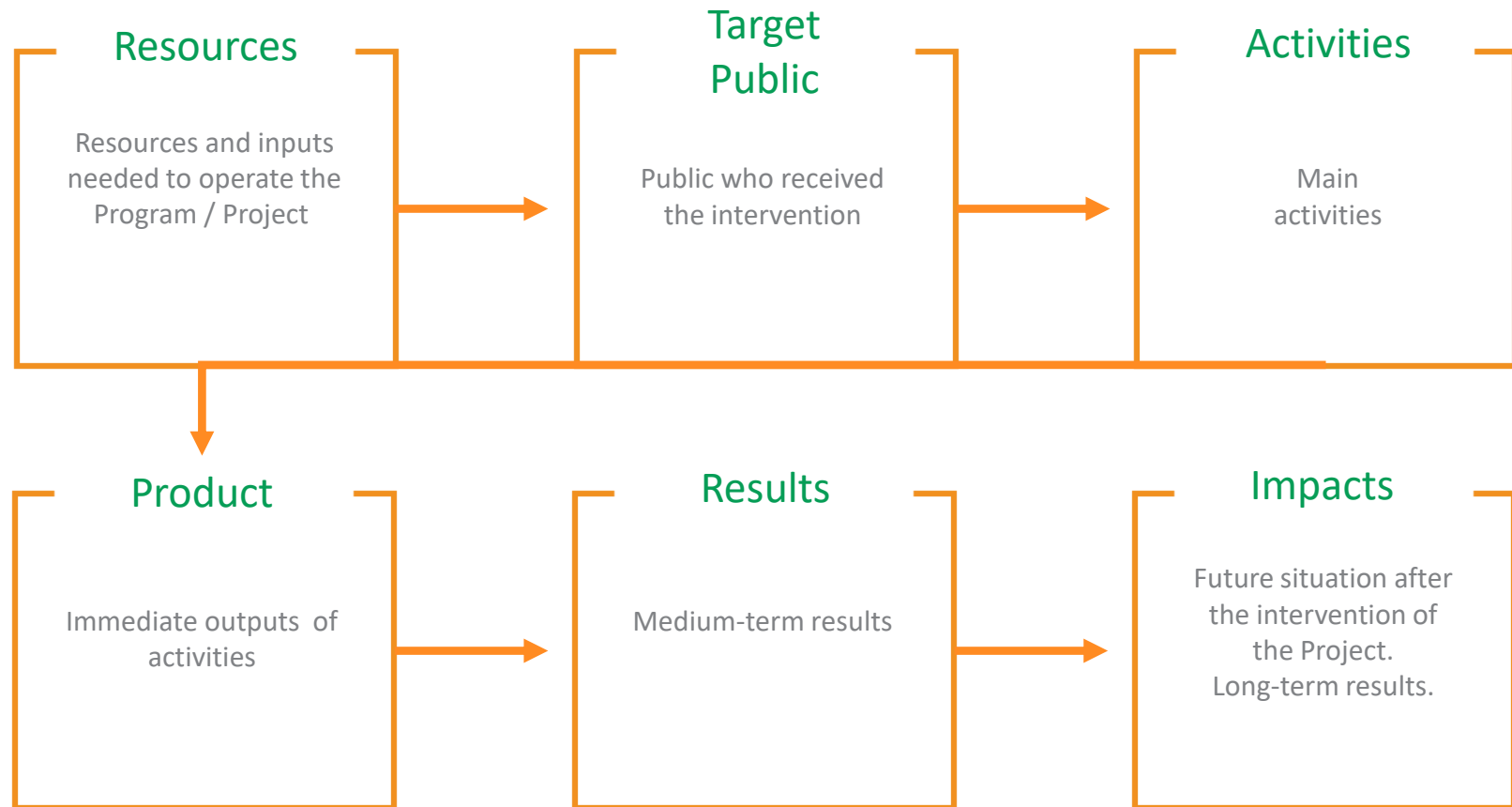


This tool was developed to contribute to social project design, elucidating the project's logic and explaining what will happen between the beginning of the project/program and the long-term impacts.

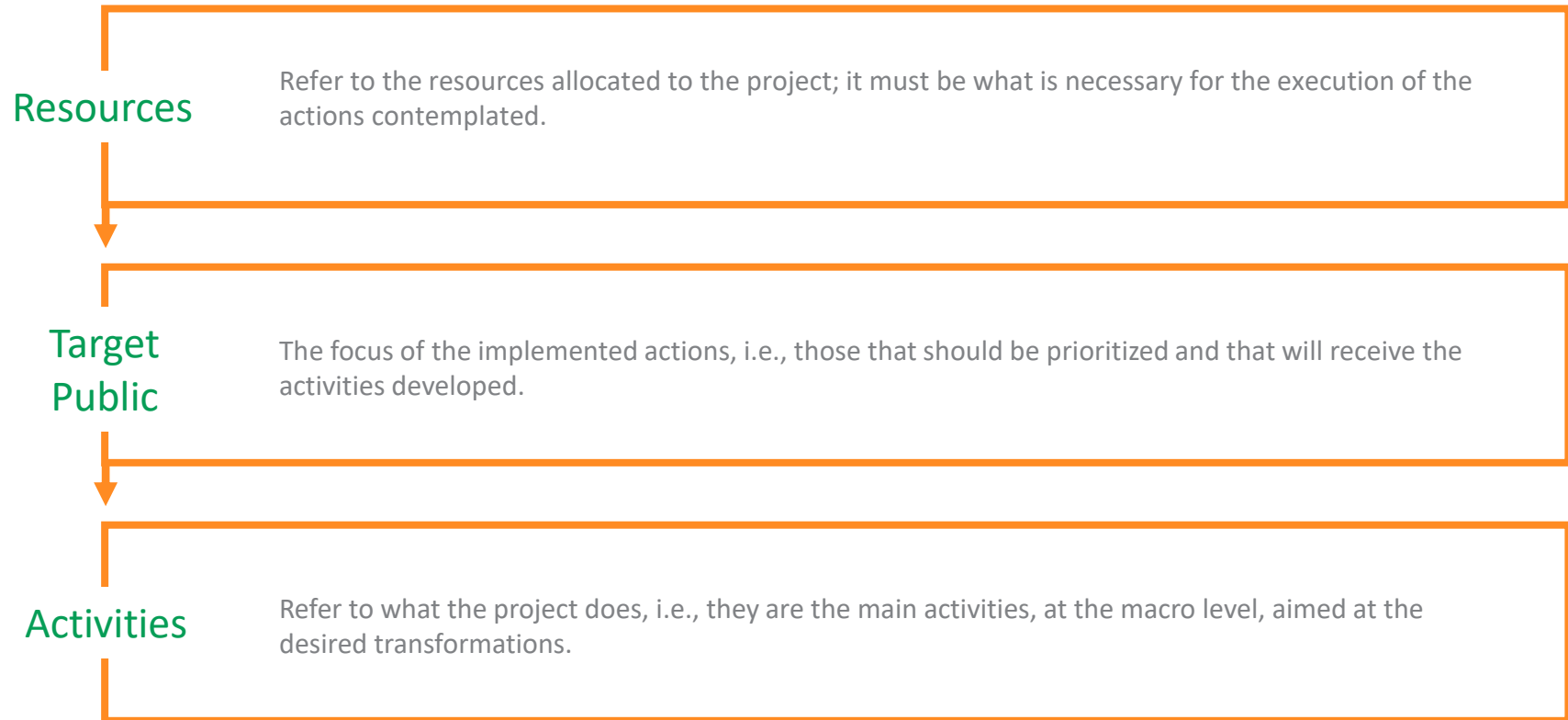
In this approach, the connection between the activities carried out and the achievement of the goals is better understood, contributing to the planning and evaluation, since it is possible to measure the progress towards medium and long-term goals.

To elaborate the Theory of Change Matrix it is necessary to define the relationship between resources, target public, activities, products, results and impacts.

Theory of Change



Theory of Change



Theory of Change

Products

Are the outputs achieved immediately due to performed activities.

Results

Are the short- and medium-term effects generated directly in the lives of the participants through the performed activities.

Impacts

These are called end results, complex transformations that occur indirectly in the long term affecting the participants' lives. In this document we consider impacts the goals linked to the SDGs.



After defining these elements, it is necessary to verify whether the expected change (results and impacts) is being achieved. The construction of indicators that reflect each element of the Theory of Change is a fundamental step that allows this monitoring.

We used the Theory of Change Matrix as a tool to establish the causal link between two MRV programs and their contribution to the SDGs, making clear the intermediate links in this process. This process was carried out by listening to those involved in the projects, allowing them to get to know different views on the actions.

Two MRV actions were defined to serve as a pilot in the use of the tool, the **MRV Vizinho do Bem** program and the **MRV Solar Power Plant** programs.

The built matrices and their details will be presented in last chapter of this document.



Priority

Targets





Target 6.3



Brazilian Target

By 2030, improve water quality in water bodies by reducing pollution, eliminating discharges and minimizing the release of hazardous materials and substances, halving the proportion of untreated effluent discharges and substantially increasing safe local recycling and reuse.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- () Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation

Related departments

- SSMA (Health, Safety and Environment)
- Innovation
- Projects
- Facilities
- Sustainability

Aspects of connection between the Goal and the MRV business

- The need to protect water resources is inherent to MRV's activities due to the eventual proximity of its real estates to water bodies, as well as the generation of effluents during construction and after occupation of dwellings.



Target 6.3



2030 MRV vision

- Increase in the proportion of treated wastewater, reducing the volume of untreated effluents discharged into the public network.
- Improvement and/or maintenance of the environmental quality of water bodies in the area of influence of housing units.
- Approach and dialogues with governments, environmental agencies, concessionaires and civil society, aiming at contributing to the management of domestic effluents and environmental preservation



Justification

- The reduction of the effluent generated by the housing units aims at minimizing the load received by the ETEs, mitigating the risks associated with the lack of treatment of this material.
- The proposed dialogues aim at articulating joint actions in a collaborative way aiming at integration of the real estate with the effluent treatment systems, as well as the involvement of society.



Range curve





Target 6.3



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Ethos Institute
- Corporate Sustainability Index (ISE)

Compliance

- Investment in Urban Infrastructure
- Private Social Investment

Standard Operating Procedures (SOPs)

- Decanting of water from the concrete mixer

Seals

- MRV + Verde (Green Houses)

Technologies

- Sewage Treatment Plants (STP)

Actions

Projects

- Morador Sustentável (Sustainable Dweller)
- Revitalization and recovery of the surroundings of the developments

Indicators

- Number of STP deployed





Target 6.4



Brazilian Target

By 2030, substantially increase water use efficiency across all sectors, ensuring sustainable removals and fresh water supply to substantially reduce the number of people suffering from scarcity.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation

Related departments

- SSMA (Occupational Health, Safety and Environment)
- Innovation
- Projects
- Sustainability

Aspects of connection between the MRV Goal and business

- MRV is concerned with the rational and sustainable use of water in its real estates and, therefore, seeks the optimization and efficiency of the resource for its preservation and guarantee of availability for other users in the region.



Target 6.4

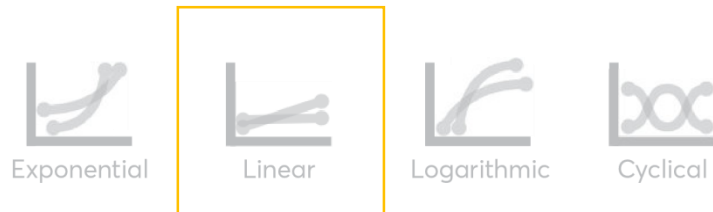


2030 MRV vision

- Efficient use and substantial increase in recycling and safe reuse of water.
- Substantial increase in the efficiency of water use at the building site and in water consumption after occupation of the developments.
- Sustainable withdrawals and supply of fresh water (ground and surface).



Range curve



Justification

- The rational and sustainable use of water resources considers interdisciplinary aspects related to their availability, preservation and maintenance of quality. In addition to these aspects, the use should be guided by the capacity to meet human demands and protect water ecosystems and their relationship to the environment. Regardless of the water source, building site or completed dwelling, MRV should offer modern water use control and monitoring equipment, with a view to efficient use and reuse, supported by awareness programs.



Milestones for achieving the 2030 MRV vision

- 2018 - Reduce **by 2%** water consumption per residential unit.
- 2019 - Reduce **by 2%** water consumption per residential unit.



Target 6.4



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Ethos Institute
- Corporate Sustainability Index (ISE)
- ISO 14001 (Environmental management)

Compliance

- Private Social Investment

Seals

- Obra Verde (Green Construction)
- MRV + Verde (Green Houses)

Technologies

- Sewage Treatment Plants (STP)
- Water reuse system

Actions

Programs

- Water saving plans

Projects

- Morador Sustentável (Sustainable Dweller)

Indicators

- Water Saving Plans
(Reduction of Consumption and Reuse)





Target 6.b



Brazilian Target

Support and strengthen the participation of local communities, prioritizing social control to improve water and sanitation management.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation



Related departments

- Facilities
- Sustainability
- Relationship with clients
- SSMA (Health, Safety and Environment)
- DI (Real Estate Development)
- MRV Institute

Aspects of connection between the MRV Goal and business

- Since the elaboration of its projects, by means of advanced technologies and communication channels with the customer, either during the construction stage or finished housing, MRV's concern with environmental preservation is remarkable.



Target 6.b



2030 MRV vision

- Support and strengthen the participation of local communities to improve water and sanitation management.
- Implementation and/or contribution to socio-environmental programs that promote the integration, involvement and mobilization of communities close to their real estates, with a view to actions for the preservation and conservation of water resources, as well as adequate and safe sanitation.

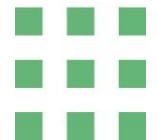


Justification

- In the context of new or already implemented projects, diagnose areas that are sensitive to environmental degradation of water resources and that may lack coverage or treatment of domestic effluents.
- Verify similar initiatives conducted by organized and non-organized civil societies, community associations and municipalities to enter into partnership agreements and/or contracts for the improvement or maintenance of existing programs.



Range curve





Target 6.b



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Ethos Institute
- Corporate Sustainability Index (ISE of B3 – Brazilian Stock Exchange)

Seals

- MRV + Verde (Green Houses)



Actions

Programs

- Morador Sustentável (Sustainable Dweller)
- MRV Vizinho do Bem (Sustainable Neighborhood)
- Private Social Investment

Projects

- Sustainability Ruler

Indicators

- Number of projects with Vizinho do Bem program.

**7 AFFORDABLE AND
CLEAN ENERGY**





Target 7.1



Brazilian Target

By 2030, ensure universal, reliable, modern and affordable access to energy services. (Target kept unchanged)



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation



Related departments

- Commercial
- Equipment
- Quality
- Innovation
- Projects
- Sustainability
- Financial Planning
- Strategic Management

Aspects of connection between the MRV Goal and business

- MRV is concerned with the comfort and convenience of its clients, therefore, it continuously seeks to ensure the supply of affordable, safe and reliable energy.



Target 7.1



2030 MRV vision

- Modernization of its housing units with the use of new technologies.
- Implement and/or invest in renewable energy generation programs with low social and environmental impact, proven economic viability and robustness to meet the demands of needy communities.



Range curve



Justification

- Point out locations where MRV has significant operations and in regions with energy supply shortage.
- Evaluate the obtaining of financial resources through credit lines and other sources accessible for the real estate economic viability.
- Evaluate partnerships with companies with proven experience in the sector and sustainable projects.



Milestones for achieving the 2030 MRV vision

- 2022 - 100% of projects launched with clean energy.





Target 7.1



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy
- Supplier Relationship Policy

Commitments

- Ethos Institute
- Corporate Sustainability Index (ISE)
- ISO 9001 (Quality management)
- ISO 14001 (Environmental management)

Compliance

- Resolution 482 (ANEEL)

Seals

- MRV + Verde (Green Houses)
- Obra Verde (Green Construction)

Technologies

- Solar Plant
- Photovoltaic panels
- Site www.mrvsolar.com.br

Actions

Programs

- Plans for electric energy savings using photovoltaic energy.

Projects

- Low-cost social power supply projects (e.g. construction of a small solar plant for the City of Meninos (SSVP).
- Photovoltaic plants for self-consumption and real estates.

Indicators

- Financial economy indicator
- Total amount in kWh of energy generated in MRV projects of energy generated.
- Quantity of CO₂ avoided.





Target 7.2



Brazilian Target

Until 2030, maintain a high share of renewable energy in the national energy matrix.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation



Related departments

- Innovation
- Projects
- Sustainability
- Commercial
- Equipment
- Facilities
- Quality
- Financial Planning
- Strategic Management

Aspects of connection between the MRV Goal and business

- The search for clean and reliable energy, which brings safety to MRV's clients, necessarily involves the evaluation and adoption of alternative sources.



Target 7.2



2030 MRV vision

- To ensure the growing trend of implementing renewable energy sources in MRV's operations, according to availability and technical feasibility, to meet demands in common areas and apartments.



Justification

- Reconcile the use of energy, from alternative and renewable sources (e.g. solar and wind), with other sustainable initiatives aimed at minimizing the social and environmental impacts caused by hydroelectric generation.



Range curve





Target 7.2



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy
- Supplier Relationship Policy

Commitments

- Ethos Institute
- Corporate Sustainability Index (ISE of B3 – Brazilian Stock Exchange)

Compliance

- Resolution 482 (ANEEL)

Seals

- MRV + Verde (Green Houses)

Technologies

- Solar Plant
- Photovoltaic panels

Actions

Programs

- Plans for electric energy savings with photovoltaic energy.

Indicators

- Financial economy indicator.
- Number of people impacted.
- Amount of energy generated by MRV in kWh.
- Quantity of CO₂ emission avoided in tons.





Target 7.b



Brazilian Target

By 2030, expand infrastructure and improve technology to deliver modern, sustainable energy services for all.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation



Related departments

- Innovation
- Financial Planning
- Projects
- Sustainability
- Commercial
- Equipment
- Strategic Management
- Facilities
- Quality

Aspects of connection between the MRV Goal and business

- Renewable energy generation technologies are making great strides around the world. For this reason there is a clear intention by MRV to intensify the use of these in its real estates, as well as to establish partnerships with companies that may bring knowledge and financial contribution. It is expected, therefore, continuous studies of the feasibility of adopting sources alternative to solar..



Target 7.b



2030 MRV vision

- Increase investment in infrastructure expansion and technological improvement of modern and sustainable energy (Survey and evaluate the proportion of the annual amount invested in Renewable Energy (\$) in MRV's annual revenues).
- Seek financial support for the development and implementation of infrastructure and technologies for sustainable development with a view to providing modern energy services.



Justification

- Reduction of the cost of energy and inputs (commercial agreements and special credit lines);
- Exchange of technology for safe and reliable power supply.



Range curve





Target 7.b



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy

Commitments

- Ethos Institute
- Global Compact
- Corporate Sustainability Index (ISE of B3 – Brazilian Stock Exchange)

Standard Operating Procedures (SOPs)

- Lighting of sheds with translucent tiles

Seals

- MRV + Verde (Green Houses)

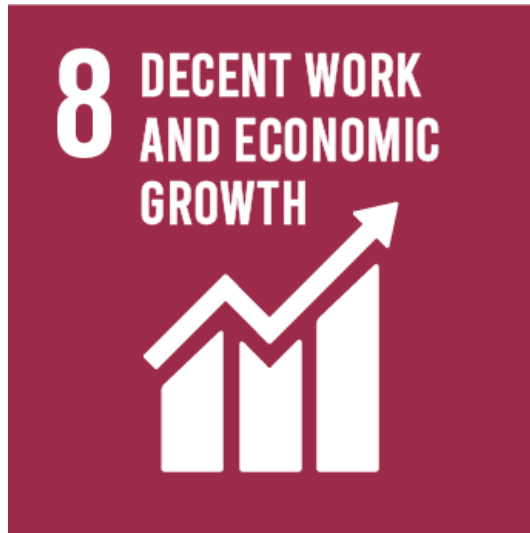
Technologies

- Solar Plant
- Photovoltaic panels

Indicators

- Cost of the photovoltaic plant, per real estate, per housing unit.
- Cost of the photovoltaic plant per kWp installed.
- Photovoltaic plants for self-consumption and real estates.







Target 8.1



Brazilian Target

Register average annual per capita economic growth of 1.6% between 2016 and 2018; and 2.55% between 2019 and 2030.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- () Construction
- () Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation



Related departments

- Strategy
- Controllership
- Fiscal

Aspects of connection between the MRV Goal and business

- Civil construction is an activity that moves many resources in the economy, thanks to the intensive use of labor and its extensive production chain. MRV is the largest residential building company in Latin America, which is why it is a very important player in the performance of the building sector, capable of positively influencing the recovery of the Brazilian economy in the next decade.



Target 8.1



2030 MRV vision

MRV's annual revenue should grow to contribute to the expected increase in GDP per capita by 2030.



Justification

- Billing as well as the GDP of the entire MRV Value Chain (sum of the aggregated values at each link in the chain) was considered.



Range curve



Linear



Logarithmic



Cyclical





Target 8.1



MRV status in 2019

Enabling factors

Policy

- Risk Management Policy
- Corporate Strategy

Actions

Programs

- My Home My Life Program

Indicadores

- MRV Annual Revenue
- MRV's revenue growth





Target 8.2



Brazilian Target

Achieve higher levels of productivity through diversification and added value, technological modernization, innovation, management, and worker qualification, with a focus on labor-intensive sectors.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation

Related departments

- SSMA (Health, Safety and Environment)
- Innovation
- Projects
- Sustainability

Aspects of connection between the MRV Goal and business

- Building in Brazil is a labor-intensive activity. The investment in technology and qualification of the workforce is necessary to increase the productivity of your team and promote economic and social progress



Target 8.2



2030 MRV vision

- Increase productivity per worker through qualification and increased industrialization of production processes;
- Promotion of innovation inside and outside MRV through support to external innovative institutions (educational institutions, suppliers and startups);
- Development of corporate management to promote productivity.

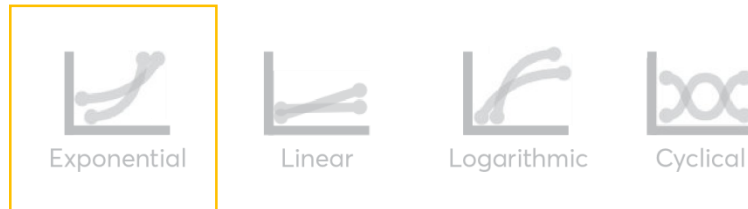


Justification

- The increase in MRV productivity is sought through the combination of the three factors described in Vision 2030 MRV. Because these factors are interdependent, the company needs to evolve in all to achieve the expected results.



Range curve





Target 8.2



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Human Resources Policy

Technologies

- Construction system with concrete walls
- Technical Assistance 2.0

Indicators

- Productivity Index per Employee
- Average time of construction



Actions

Programs

- Professional Qualification Program
- Escola Nota 10 (Education in Construction Sites)

Projects

- Investment in studies for Sustainability Innovation
- Research *partnerships* to promote sustainable performance in the civil building sector
- Standardization of typology of apartments for optimization of shapes
- Labor Relations Monitoring
- IP Project 2.5
- Network accredited technical assistance



Target 8.3



Brazilian Target

Promote development with the generation of decent work; formalization; the growth of small businesses, small and medium-sized companies; entrepreneurship and innovation.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

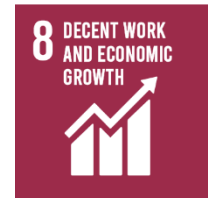
- Sustainability
- Human Resources
- DAE (Employee and Contractor Support Department)
- Compliance

Aspects of connection between the MRV Goal and business

- MRV has more than 22 thousand employees and more than 8 thousand suppliers. The company is committed to encouraging and guiding its supply chain to comply with legislation and to pursue socio-economic development for all, following MRV's example, and offering professional qualification to its employees and neighboring communities.



Target 8.3



2030 MRV vision

- MRV will maintain its commitment to full compliance with legislation and worker rights policies.
- MRV expects to bring education to employees and residents of neighboring communities to all of its developments.
- Programs to support the formalization and growth of MRV's suppliers will be strengthened.



Range curve



Justification

- MRV invests in the training of its employees and already has actions to promote the education and employability of residents neighboring its real estates and the development of its suppliers, which need to be expanded by 2030.



Milestones for achieving the 2030 MRV vision

- 2030 - Vizinho do Bem Program in all MRV sites with significant impacts to the neighborhood.





Target 8.3



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policies

- Sustainability Policy
- Stakeholder Relations Policy
- Supplier Relationship Policy
- Integrity Due Diligence Policy

Commitments

- Global Compact
- Ethos Institute
- Corporate Sustainability Index (ISE)

Compliance

- Inspection of compliance with labor legislation by Labor Compliance
- OHSAS 18001 Certification

Actions

Programs

- Escola Nota 10 (Education in Construction Sites)
- MRV Vizinho do Bem (Sustainable Neighborhood)
- Órbi Connects

Projects

- Investment in studies for Sustainability Innovation
- Slave Labor and Human Trafficking Clinic of UFMG
- Third-party and partner chain compliance monitoring





Target 8.3



MRV status in 2019

Indicators

- Escola Nota 10 (Education in Construction Sites) units implemented
- Number of students trained in Escola Nota 10 (Education in Construction Sites) courses
- Number of employees trained in identifying risks of violation of decent work standards
- Monitoring compliance by third-party, according to the rules of the Due Diligence and Integrity Policy





Target 8.8



Brazilian Target

Reduce the level of noncompliance with labor legislation, with respect to registration, working conditions, health and safety standards at work, with emphasis on workers in vulnerable situations



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- Sustainability
- DH (Human Development)
- Compliance
- SSMA (Health, Safety and Environment)
- Legal

Aspects of connection between the MRV Goal and business

- MRV has more than 22 thousand employees and more than 8 thousand suppliers. The company is committed to ensuring compliance with all labor legislation in its supply chain.



Target 8.8



2030 MRV vision

- MRV will maintain its commitment to full compliance with legislation and worker rights policies in its activities and those of its suppliers



Range curve



Exponential



Linear



Logarithmic



Cyclical



Justification

- The company invests a lot in the subject in order to comply with the Brazilian legislation and maintain its commitment to shareholders and international bodies of respect for labor rights.





Target 8.8



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Supplier Relationship Policy
- Stakeholder Relations Policy
- Non retaliation policies against whistleblowers
- Anti-corruption policy
- Risk Management Policy

Commitments

- Global Compact
- Ethos Institute
- Corporate Sustainability Index (ISE)

Compliance

- Inspection of compliance with labor legislation by the DAE
- OHSAS 18001 Certification

Actions

Programs

- Escola Nota 10 (Education in Construction Sites)
- Confidential Channel
- Audit Reports

Indicators

- Escola Nota 10 (Education in Construction Sites) units implemented
- Number of students trained in Escola Nota 10 (Education in Construction Sites) courses
- Injury rates
- Assessments
- Volume of labor fines
- Maintenance of OHSAS certification
- Handling of complaints from the Confidential Channel
- Actions to mitigate risks identified in Audit Reports



Target 8.10



Brazilian Target

To sustainably expand access to banking and financial services for all.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation

Related departments

- Sustainability
- MRV Institute

Aspects of connection between the MRV Goal and business

- The Escola Nota 10 (Education in Construction Sites) Program offers digital inclusion courses, which give students the knowledge to access banking services in ATMs and mobile phones.





Target 8.10



2030 MRV vision

- Offer digital inclusion courses in all construction sites with a Grade 10 School, offering students (employees, suppliers and neighboring communities) conditions to access banking services in ATMs or mobile phones.



Justification

- One of the main restrictions to banking is the inability to deal with devices that interface between user and bank. Digital inclusion programs have the potential to break down these barriers and increase access to banks by the population.

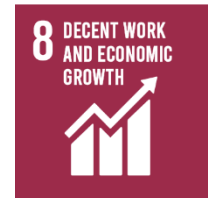


Range curve





Target 8.10



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Stakeholder Relations Policy
- Supplier Relationship Policy

Actions

Programs

- Escola Nota 10 (Education in Construction Sites)
- MRV Vizinho do Bem (Sustainable Neighborhood)

Indicators

- Number of students trained in digital inclusion courses



9 INDUSTRY,
INNOVATION AND
INFRASTRUCTURE





Target 9.2



Brazilian Target

By 2030, promote inclusive and sustainable economic activity and highly technologically complex activities, with a focus on increasing productivity, employment and GDP, and improving working conditions and the appropriation of productivity gains.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation

Related departments

- SSMA (Health, Safety and Environment)
- Innovation
- Projects
- Sustainability
- DAE (Employee and Contractor Support Department)

Aspects of connection between the MRV Goal and business

- Construction in Brazil is an activity with high environmental and social impact. The investment in technology and qualification of the workforce is fundamental for the increase of eco-efficiency in the company.



Target 9.2



2030 MRV vision

- Increase productivity per worker through qualification and increased industrialization of production processes.
- Promotion of sustainable innovation inside and outside MRV through internal research and support to external innovative institutions.
- Development of corporate management to promote productivity and eco-efficiency.



Justification

- Increased productivity and eco-efficiency in MRV is sought by combining the three factors described above. Because these factors are interdependent, the company needs to evolve in all to achieve the expected results.



Range curve





Target 9.2



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Personnel Management Policy

Technologies

- Construction system with concrete walls

Indicators

- Productivity index per worker
- Average time of construction
- Water volume in construction / m²
- Energy use in construction / m²
- Waste generated / m²

Actions

Programs

- Professional Qualification Program
- Escola Nota 10 (Education in Construction Sites)
- Órbi Connects
- Labor Relations Monitoring

Projects

- Investment in studies for Sustainability Innovation
- Research partnerships to promote sustainable performance in the civil building sector
- Standardization of typology of apartments for optimization of shapes.



Target 9.a



Brazilian Target

Facilitate the development of sustainable and resilient infrastructure in developing countries through increased financial, technological and technical support for African countries, the least developed countries, landlocked developing countries and small island developing states.

(Target kept unchanged)



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- Strategy
- Innovation
- Supplies
- Sustainability

Aspects of connection between the MRV Goal and business

- With the Solar Plant program, MRV is contributing to the development of photovoltaic energy infrastructure in Brazil.
- MRV delivers all projects with electricity, water and sewage network duly connected to the public network.
- Compliance with the considerations that will mitigate the impact related to population growth in the region, through the construction of schools, health posts, basic health units and road improvements.



Target 9.a



2030 MRV vision

- Promote the generation of clean energy in the more than 159 municipalities where MRV operates, supplying 100% of the new real estates.



Justification

- MRV is committed to providing all its new developments with clean energy by 2022. The commitment must be maintained until 2030.



Range curve



Exponential



Linear



Logarithmic



Cyclical





Target 9.a



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Ethos Institute
- Global Compact
- Corporate Sustainability Index (ISE)

Compliance

- Municipal legislation

Actions

Programs

- MRV Photovoltaic Solar Power Program

Projects

- Urbanization of the neighborhood of its real estates and cities where MRV is present

Indicators

- Real estates with installed photovoltaic plants
- Photovoltaic energy generated in MRV ventures
- Urbanization cost per unit
- Cost with consideration
- Total construction performed
- Amount invested with Private Social Investment





Target 9.b



Brazilian Target

Support national technological development, research and innovation, through public policies that ensure a favorable institutional and regulatory environment to, among other things, promote industrial diversification and add value to commodities.

Related departments

- Innovation
- Supplies
- Sustainability

Aspects of connection between the MRV Goal and business

- One of MRV's challenges is to increase the technological intensity of its processes and products. The company has been investing in the improvement of its construction system to increase productivity per worker and reduce the environmental impacts of its construction.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation





Target 9.b



2030 MRV vision

- Through open innovation actions, MRV will foster the research and development of technologies for the building sector. The company expects to increase the eco-efficiency of its operations and products by.



Range curve



Justification

- MRV invests in technological development through internal support to high technology companies and through actions in partnership to foster open innovation (e.g.: Órbi Connects, Tree Lab.)
- MRV's investment in innovation will be compatible with national private investment in research and development.





Target 9.b



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Actions

Programs

- Innovation in Sustainability
- Partner Registration
- Investment in innovation
- MRV Photovoltaic Solar Power Program

Projects

- 1% of net revenue invested in research and development
- Órbi Connects
- Tree Lab
- Development of new materials and processes based on the replication of best practices on building sites

Indicators

- Investment in innovation initiatives
- Number of partnerships with startups







Target 11.1



Brazilian Target

By 2030, ensure access for all to decent, adequate and affordable housing, basic services and urbanize precarious settlements in accordance with the goals assumed in the National Housing Plan, with special attention to groups in vulnerable situations.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation

Related departments

- Strategy
- Real estate development

Aspects of connection between the MRV Goal and business

- Brazil has a housing deficit of 7.8 million homes. Most of MRV's developments are aimed at the population that does not yet own property. In this sense, the company assists in solving the problem, contributing to the achievement of the goals of the National Housing Plan.
- MRV's activities do not include projects for the urbanization of precarious settlements.



Target 11.1



2030 MRV vision

- MRV intends to continue contributing to the elimination of the housing deficit in Brazil. In this way, the company will continue to produce real estate for the low-income population, following the company's diversification strategy.



Justification

- MRV is the largest builder of low-income houses in Latin America and will continue to focus on this market segment. However, the company is conducting a review of its strategy to reduce its dependence on public resources directed at financing low-income housing.



Range curve





Target 11.1



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Actions

Projects

- New MRV Business Platform: expansion of the product portfolio

Indicators

- MRV dwelling (urban / rural)
- Total number of units produced
- Production of real estates in the My House My Life Program
- MRV's participation in the My House My Life Program





Target 11.3



Brazilian Target

By 2030, increase inclusive and sustainable urbanization, improve capacities for planning, social control and participatory, integrated and sustainable management of human settlements in all units of the federation.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- Strategy
- Real Estate Development

Aspects of connection between the MRV Goal and business

- The company works to improve the urbanization of its surroundings to improve the region, favoring residents and contributing to the valorization of its products.
- MRV actively participates in public hearings to collaborate with the definition of best practices in the elaboration of the Municipal Master Plans.





Target 11.3

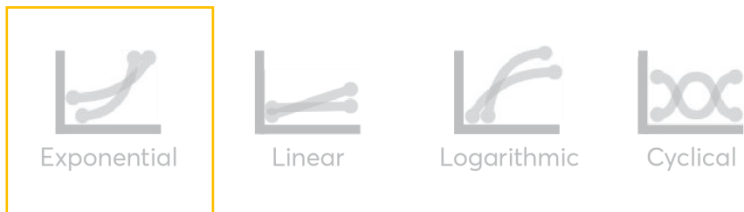


2030 MRV vision

- Develop models of urbanization in the neighborhood and cities of the real estates, capable of promoting local sustainability, maintaining the viability of the projects.



Range curve



Justification

- MRV carries out urbanization improvements in the neighborhood and cities of its developments, but each work has its own way of doing these actions.
- With a structured process, the company will be able to be more effective in conducting the projects and will be able to invest in actions that bring positive socio-environmental returns without imposing a prohibitive burden on the real estates.





Target 11.3



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Compliance

- Urbanization improvements to compensate local impacts

Actions

Programs

- MRV Vizinho do Bem (Sustainable Neighborhood)

Indicators

- Dwelling MRV
- MRV's participation in urban planning forums
- Investment in urbanization in areas of influence of MRV's developments
- Improvements made after validation with neighboring residents to MRV's real estates





Target 11.6



Brazilian Target

By 2030, reduce the per capita negative environmental impact of cities by improving air quality indices and solid waste management; and ensure that all cities with more than 500,000 inhabitants have implemented air quality monitoring systems and solid waste management plans.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- () Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Strategy
- Real Estate Development

Aspects of connection between the MRV Goal and business

- MRV is concerned with the correct disposal of solid waste, both in the construction and real estate use stages and understands that to achieve this goal it is necessary to increase the proportion of solid urban waste regularly collected and correctly disposed of.





Target 11.6



2030 MRV vision

- Maintain and improve the efficient and sustainable management (proper disposal) of solid waste, in order to provide adequate disposal of solid waste generated by its real estates:
 - Establish new partnerships with recycling entities;
 - Develop indicators and propose a **Solid Waste Disposal Index (IDRS)**.
- Reduce utilization by 5% - Consumption of buckets per unit produced in the real estates;
- Maintain sustainable certifications (OHSAS 18.001, ISO 14.001).

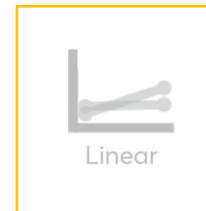


Justification

- The reduction of waste generated by building sites and housing units has the purpose of avoiding greater ecological damage, in addition to reducing risks to public health associated with the poor disposal of solid urban waste.



Range curve





Target 11.6



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Ethos Institute
- Corporate Sustainability Index (ISE)
- Global Compact

Compliance

- Municipal legislation
- Certification standards (ISO 14.001)
- National Solid Waste Policy (PNRS)

Indicadores

- Proportion of solid urban waste regularly collected with adequate final destination.

Actions

Programs

- Morador Sustentável (Sustainable Dweller)
- MRV + Green (Green Houses)

Programs

- Urbanization of the surroundings of the real estates
- Reuse of Waste (reuse and reduction of rubble)
- Partnerships with recycling entities in several municipalities to properly dispose of unused materials
- Construction Waste Management
- Selective Collection (ENP)



Target 11.a



Brazilian Target

Support economic, social and environmental integration in metropolitan areas and between urban, peri urban, rural and twin cities, considering territories of traditional peoples and communities, through inter-federative cooperation, reinforcing national, regional and local development planning.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation

Related departments

- Strategy
- Real Estate Development

Aspects of connection between the MRV Goal and business

- Good urban planning allows MRV to build developments that contribute to sustainable urban development.





Target 11.a



2030 MRV vision

- Project Development from Master Plans
- Actively participate in public hearings to collaborate with the definition of best practices in the elaboration of the Municipal Master Plans.

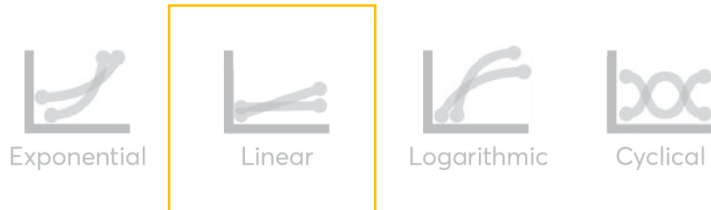


Justification

- MRV has accumulated experience in construction in 159 municipalities. Thus, the company can offer its knowledge so that cities can develop plans with better access to citizenship and sustainability for the entire population.



Range curve





Target 11.a



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Compliance

- Federal Allotment Law
- Investments in infrastructure

Actions

Projects

- Urban improvement projects

Indicators

- MRV's Municipalities with master plan
- Participation in meetings of the collaborative actions for the construction of the Municipal Master Plans.







Target 12.2



Brazilian Target

By 2030, achieve sustainable management and efficient use of natural resources.

(Target kept unchanged)



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation



Related departments

- SSMA (Health, Safety and Environment)
- Production
- Sustainability
- Supplies

Aspects of connection between the MRV Goal and business

- The concern with the rational use and preservation of non-renewable resources for the enjoyment of future generations is the focus of MRV's policies and procedures. Thus, the consumption of these materials is monitored in order to propose measures that result in efficient use and lower social and environmental impact.



Target 12.2



2030 MRV vision

- Carry out a life cycle assessment, considering the cost of materials on site and their financial return, and the cost of materials classified into categories.
- Implement measures for the selection of suppliers, who have environmental responsibility and rational use of natural resources.
- Expand the use of pre-molded components, aiming at reducing waste, and the rational use of resources and inputs used in construction.



Justification

- The rational use and preservation of non-renewable resources is employed and continuously improved in MRV's real estates. The consumption of these materials is measured and monitored in order to obtain greater efficiency in consumption.



Range curve





Target 12.2



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Supplier Relationship Policy

Commitments

- Standard NBR ISO 14.040:2014 - Environmental Management - Life Cycle Assessment

Compliance

- Act No.12.305/10 (National Policy on Solid Waste)

Standard Operating Procedures (SOPs)

- Solid Waste Management Plan

Seals

- Obra Verde (Green Construction)

Technologies

- Use of industrialized or pre-molded components

Actions

Programs

- Waste Management
- Reuse, recycling and reuse of waste
- Supplier management
- CDP *Supply Chain*
- CDP *Climate Change*, CDP *Water* and CDP *Forest*

Projects

- Studies on eco-efficiency of building systems
- Life Cycle Analysis (LCA) of water, energy and carbon in MRV apartments

Indicators

- Amount of waste generated per square meter built
- Amount of waste recycled



Target 12.6



Brazilian Target

Encourage companies, especially large and transnational companies, to adopt socio-environmental responsibility parameters and practices and to integrate information about these practices into their systems, databases and reporting cycles.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- Sustainability
- Supplies
- Compliance
- IR (Investor Relations)

Aspects of connection between the MRV Goal and business

- MRV wants its partners and suppliers to be aligned with its environmental policy. To this end, it is committed to assisting and promoting the development of the civil construction production chain, through its examples, as well as the adoption of contractual requirements and agreements in the context of sustainable practices.



Target 12.6



2030 MRV vision

- Encourage suppliers and partners, especially large and transnational companies, to adopt social and environmental responsibility parameters and practices that integrate this information into systems, databases and reporting cycles.
- Publish the MRV Report for the Sustainable Development Goals



Justification

- Commitment to sustainable development must involve the entire production chain. Therefore, it is essential that suppliers and partners, especially large ones, adopt sustainability practices aimed at implementing social and environmental responsibility programs and initiatives aligned with the company's good practices and values.



Range curve





Target 12.6



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Supplier Relationship Policy
- Integrity Policy
- Stakeholder Relations Policy

Commitments

- Global Compact
- Corporate Sustainability Index (ISE of B3 – Brazilian Stock Exchange)
- CDP
- Ethos Institute

Actions

Projects

- MRV Report for the Sustainable Development Goals
- MRV Sustainability Report

Indicators

- No indicators available





Target 12.8



Brazilian Target

By 2030, ensure that people everywhere have relevant information and awareness about sustainable development and lifestyles in harmony with nature, in line with the National Environmental Education Program (ProNEA).



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- () Construction
- () Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Sustainability
- Customer Relationship
- MRV Institute

Aspects of connection between the MRV Goal and business

- MRV is committed to developing awareness education actions aimed at sustainable development. The Sustainable Dweller Program consists of the orientation of new owners of the houses on quality of life and sustainability.





Target 12.8



2030 MRV vision

- Ensure that people in the areas of direct influence of the real estates have relevant information and awareness about sustainable development and lifestyles in harmony with nature, in line with the National Program for Environmental Education (ProNEA).

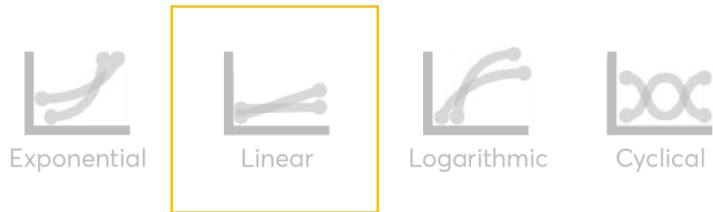


Justification

- MRV believes that everyone's engagement and involvement with environmental issues is of fundamental importance in ensuring a healthy environment for future generations. By recognizing the importance of sustainable development, MRV invests, shares, contributes and engages in actions that allow everyone to participate and have access to environmental education.



Range curve





Target 12.8



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Global Compact
- Ethos Institute

Seals

- MRV + Verde (Green Houses)

Actions

Projects

- Natureza Viva Solidarity Network (Governador Valadares/MG)
- Voluntary Delivery Point (VEP)
- Morador Sustentável (Sustainable Dweller)

Indicators

- No indicators available





Target 12.a



Brazilian Target

Support developing countries to strengthen their scientific and technological capacities towards more sustainable patterns of production and consumption.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation

Related departments

- Innovation
- Sustainability

Aspects of connection between the MRV Goal and business

- Ranking first among the largest construction companies in the country (ITC - Portal Revista Infra) and record holder in Latin America (see agro & business - Direct Look), MRV understands that it has a relevant role in the dissemination of good practices and results, with the objective of contributing to the sustainable development of companies in the sector.



Target 12.a



2030 MRV vision

- Carry out technological exchanges with construction companies in developed countries, supporting scientific research and technologies aligned with sustainable production standards.
- Close partnerships with technological centers of universities in South American countries in order to seek technologies focused on sustainable measures of production and consumption.



Justification

- Support the civil building sector in South America in accordance with the premises of Sustainable Development, contributing to the strengthening of scientific and technological capacities towards more sustainable patterns of production and consumption.



Range curve





Target 12.a



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Seals

- MRV + Verde (Green Houses)

Actions

Projects

- Studies for Sustainability Innovation
- MRV Report for the Sustainable Development Goals
- MRV Sustainability Report

Indicators

- No indicators available







Target 16.5



Brazilian Target

Substantially reduce tax evasion, corruption and bribery in all its forms.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation



Related departments

- Risk Management
- Compliance
- Legal

Aspects of connection between the MRV Goal and business

- MRV operates in such a way as to maintain levels of governance and management excellence. The company constantly monitors its exposure to risks in relation to ethics and corruption and has policies and practices involving employees, suppliers and partners for prevention and detection of harmful acts.



Target 16.5



2030 MRV vision

- MRV will continue to combat tax evasion, corruption and bribery, strengthening its structures for compliance with the culture of integrity.



Justification

- MRV Engenharia is a reference in Sustainability, this position of excellence is the result of the constant search for good management practices, transparency and corporate governance. The constant improvement and participation in governance institutions are important aspects for MRV, conforming its business to the new international environment.



Range curve



Milestones for achieving the 2030 MRV vision

- 2019/2020 - Structuring the company to meet the requirements for obtaining the Pro-Ethical Company brand





Target 16.5



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Sustainability Policy
- Compliance Policy
- Integrity Due Diligence Policy
- Related Party Transaction Policy
- Public Power Relationship Policy
- Anti-Corruption Policy
- Supplier Relationship Policy
- Conflict of Interest Policy

Commitments

- Global Compact
- Corporate Sustainability Index (ISE)
- Novo Mercado (B3 – Brazilian Stock Exchange)
- Afin (Alliance for Integrity)
- Ethos Institute

Compliance

- Anti-Corruption Law 12.846/13

Technology

- Culture of Integrity (Distance Education)

Actions

Programs

- Integrity Program
- Integrity Due Diligence (IDD)
- Confidential Channel

Projects

- Sustainability Report
- Integrity Week
- Training on Prevention of Corruption
- Integrity Pocket Guide

Indicators

- Confidential Channel reports.
- Due Diligence of third parties and partners.
- Conformity assessment of the terms of commitment signed with the municipalities.



Target 16.6



Brazilian Target

Develop effective, accountable and transparent institutions at all levels.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation



Related departments

- Risk Management
- Internal Audit
- Compliance
- Sustainability
- Customer Relationship

Aspects of connection between the MRV Goal and business

- MRV acts in order to maintain levels of excellence in governance and management, shaping itself as an effective, accountable and transparent organization at all levels and with all its stakeholders.



Target 16.6



2030 MRV vision

- MRV seeks to be among the most prominent companies in terms of corporate responsibility and transparency.

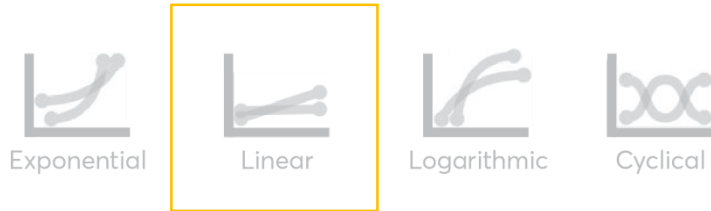


Justification

- As an industry leader and seeking to consolidate a leadership position also as a sustainable company, the company needs to take steps to gain international prominence in the field.



Range curve





Target 16.6



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Sustainability Policy
- Compliance Policy
- Integrity Due Diligence Policy
- Related Party Transaction Policy
- Public Power Relationship Policy
- Anti-Corruption Policy
- Supplier Relationship Policy
- Conflict of Interest Policy
- Risk Management Policy

Commitments

- Global Compact
- Corporate Sustainability Index (ISE)
- Novo Mercado da B3 S.A. - Brazil, Stock Exchange, OTC (B3)
- Afin (Alliance for Integrity)
- Ethos Integrity Pact
- Ethos Integrity WG
- Integrity WG Global Compact Brazil Network

Technology

- Culture of Integrity (Distance Education)



Target 16.6



MRV status in 2019

Actions

Programs

- Annual Audit Plan
- Integrity Program
- Risk Management Plan
- Integrity Due Diligence (IDD)
- Corporate Risk Matrix
- Confidential Channel

Projects

- MRV Sustainability Report
- MRV Report for the Sustainable Development Goals
- Integrity Week
- Training on Prevention of Corruption
- Integrity Pocket Guide
- Elaboration of the corporate risk matrix

Indicators

- Publication of Sustainability Report
- Participation in Corporate Sustainability Indexes
- Ethos Indicators Response
- Independent audit of governance structures
- Conformity assessment of the terms of commitment signed with the municipalities.





Target 16.7



Brazilian Target

Ensure responsive, inclusive, participatory and representative decision-making at all levels.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation



Related departments

- DH (Human Development) (Human Development)
- SSMA (Health, Safety and Environment)
- MRV Institute
- Sustainability

Aspects of connection between the MRV Goal and business

- Companies are being called upon to become more transparent and to operate with respect for the different groups involved in their activities. MRV has initiated a diversity program and is structuring an action plan to consider diversity issues in its decisions.



Target 16.7



2030 MRV vision

- Structure the Diversity program to ensure responsive, inclusive, participatory and representative decision-making at all levels.
- Diversity as a fundamental part of achieving business results and diversity indicators to be considered for strategic decision making.



Justification

- Since the target does not define parameters to be achieved and MRV does not yet have an action plan, a vision of intentions has been developed.



Milestones for achieving the 2030 MRV vision

- 2020 - Create actions to promote diversity



Range curve





Target 16.7



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Personnel Management Policy
- Integrity Policy

Standard Operating Procedures (SOPs)

- Recruitment and Selection Processes

Indicators

- Number of employees with disabilities



Actions

Programs

- Inclusion Program for Carriers of Disabilities (PCD Quotas)

Projects

- Awareness of diversity and inclusion
- Women's Day Celebration
- Sign language course
- Filling the IMGI Graphic
- LGBT pride day
- International Down's Syndrome Day
- Pounds Day
- National Day for the Struggle of Carriers of Disabilities
- Personnel Management Cycle
- Career Committee



Target 16.10



Brazilian Target

Ensure public access to information and protect fundamental freedoms in accordance with national legislation and international agreements.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation



Related departments

- Communication
- DH (Human Development]
- Customer Relationship

Aspects of connection between the MRV Goal and business

- MRV adhered to the Global Compact and assumed the commitment to disclose and comply with socially and environmentally responsible initiatives in all building company activities.
- Since the signing of the Pact, MRV Engenharia has committed itself to fundamental and internationally accepted values defined in 10 Principles derived from the Universal Declaration of Human Rights, the Declaration of the International Labor Organization on Fundamental Principles and Rights at Work.



Target 16.10



2030 MRV vision

- Improve MRV's transparency by improving the quality of the documents disclosing information about the company.
- Ensure compliance with human and labor rights at MRV, following commitments assumed.



Justification

- As a signatory of the Global Compact, MRV is committed to compliance with human and labor rights.
- In addition to the Global Compact, MRV is also a publicly-held company and a member of the ISE, which demands transparency in the disclosure of its information and increased openness to dialogue with its stakeholders, which increases the demand for even greater transparency.



Range curve





Target 16.10



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Sustainability Policy
- Information Disclosure Policy
- Compliance Policy
- Integrity Policy
- Marketing Policy
- Stakeholder Relations Policy

Commitments

- Global Compact
- Corporate Sustainability Index (ISE of B3 – Brazilian Stock Exchange)
- Ethos Institute

Actions

Projects

- MRV Sustainability Report
- MRV Report for the Sustainable Development Goals
- Announcement of Progress
- MRV Sustainable Site

Indicators

- No indicators available.





Target 16.b



Brazilian Target

Promote and enforce non-discriminatory and affirmative laws and policies.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Compliance
- DH (Human Development)
- Personnel Department

Aspects of connection between the MRV Goal and business

- MRV has a diversity promotion program, whose action plan is being prepared to make its operations, management positions and leadership more diverse.





Target 16.b



2030 MRV vision

- Promote the principle of inclusion, equity and non-discrimination, promoting internalization in MRV.
- Full awareness of all levels of MRV in relation to non-discriminatory guidelines and practices.
- To develop internal leaderships to raise employees' awareness and represent the company's principles of equal and inclusive treatment.



Range curve



Justification

- Since the target does not define parameters to be achieved and MRV does not yet have an action plan, a vision of intentions has been developed.



Milestones for achieving the 2030 MRV vision

- 2020 - Forums and Lectures to raise employees' awareness of non-discrimination and inclusion;
- 2025 - Significant reduction in cases of discrimination in the Confidential Channel
- 2030 - Diversity policy fully internalized in MRV. Employees clearly recognizing discriminatory behaviors and acting in a preventive manner to minimize their occurrence.



Target 16.b



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Personnel Management Policy
- Sustainability Policy



Actions

Programs

- Inclusion Program for Carriers of Disabilities
- Diversity Program

Projects

- Awareness of diversity and inclusion
- Sign language course
- LGBT pride day
- International Down's Syndrome Day
- Pounds Day
- National Day for the Struggle of Carriers of Disabilities
- Personnel Management Cycle
- Career Committee



Non-priority

Targets





Target 1.1



Brazilian Target

By 2030, eradicate extreme poverty for all people everywhere, measured as people living on less than PPC\$3.20 per capita per day.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- () Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation

Related departments

- DP (Personnel Department)
- DH (Human Development)
- DAE (Employee Support Department)

Aspects of connection between the MRV Goal and business

- MRV has a compensation guideline that aligns the positions and their respective functions to the earnings, also counting on a benefits package.
- MRV's priorities include offering employees and residents of the communities where it operates opportunities for personal and professional development, with a focus on increasing people's employability and productivity, bringing gains to the business and society.



Target 1.1



2030 MRV vision

- Always consider as wage floor at MRV the minimum wage provided for in art. 84, caput, point IV, of the Brazilian Federal Constitution, and if this is below the extreme poverty line, the value parameterized by the agencies that follow the evolution of the SDGs will be considered.
- Increase the number of technical training and professional development actions for employees, interns and trainees and neighboring communities.



Justification

- According to the OECD, the purchasing power parity of the Real against the Dollar for 2018 was 2.029. Thus, the per capita income per day should be R\$6.49. Considering that an average family has 4 people, the worker's remuneration should be R\$25,96, which represents a minimum monthly gain of R\$571,12.
- In 2019, MRV's lowest wage is R\$998.00, 74% higher than the reference value for the extreme poverty line.



Target range curve





Target 1.1



MRV status in 2019

Enabling factors

Policy

- Personnel Management Policy
- Sustainability Policy

Commitments

- Global Compact
- Ethos Institute
- Corporate Sustainability Index (ISE)

Compliance

- Collective Bargaining Convention

Actions

Programs

- Employee Benefits Program
- MRV Vizinho do Bem (Sustainable Neighborhood)
- Escola Nota 10 (Education in Construction Sites)

Indicators

- Number of employees at the building site
- Number of benefits granted to employees by position
- Collective bargaining agreements with trade unions





Target 1.2



Brazilian Target

By 2030, halve the proportion of men, women and children of all ages living in income and non-monetary poverty according to national definitions.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation

Related departments

- DP (Personnel Department)
- DH (Human Development)
- DAE (Employee Support Department)
- Sustainability

Aspects of connection between the MRV Goal and business

- MRV has a compensation guideline that aligns the positions and their respective functions to the earnings, also counting on a benefits package.
- MRV's priorities include offering employees and residents of the communities where it operates opportunities for personal and professional development, with focus on increasing people's employability and productivity, bringing gains to the business and society.



Target 1.2



2030 MRV vision

- Always consider as wage floor at MRV the minimum wage provided for in art. 84, caput, point IV, of the Brazilian Federal Constitution, and if it is below the poverty line, the value parameterized by the agencies that follow the evolution of the SDGs will be considered.
- Increase the number of technical training and professional development actions for employees, interns and trainees and neighboring communities.
- Provide more quality housing for the low-income population, reducing their vulnerability.

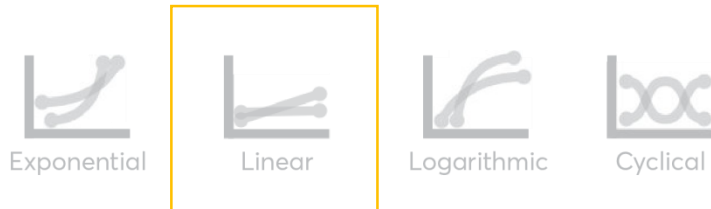


Justification

- According to the World Bank, the poverty line is \$5.50 per day per capita.
- According to the OECD, the purchasing power parity of the Real against the Dollar for 2018 was 2.029. Thus, the per capita income per day should be R\$11.16. Considering that an average family has 4 people, the worker's remuneration should be R\$44,64, which represents a minimum monthly gain of R\$982,08.
- The absence of housing is one of the elements that make up the multidimensional approach to poverty. The expansion of MRV's activities contributes to addressing this problem.



Target range curve





Target 1.2



MRV status in 2019

Enabling factors

Policy

- Personnel Management Policy
- Sustainability Policy

Commitments

- Global Compact

Compliance

- Collective Bargaining Convention



Actions

Programs

- MRV Vizinho do Bem (Sustainable Neighborhood)
- Employee Benefits Program
- Escola Nota 10 (Education in Construction Sites)

Indicators

- Average income of employees in relation to the poverty line
- Number of employees in building site
- Collective bargaining agreements with trade unions
- Number of benefits granted to employees by position
- Number of low-income individuals who were clients of the organization
- Number of single low-income households that were clients of the organization



Target 1.4



Brazilian Target

By 2030, ensure that all men and women, particularly the poor and people in situations of vulnerability, have access to social services, basic infrastructure, new technologies and means of production, information and communication technologies, financial services and security in equitable access to land and natural resources.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- () Construction
- () Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- DI (Real Estate Development)
- Projects
- Engineering
- Commercial

Aspects of connection between the MRV Goal and business

- MRV is committed to generating positive social and economic impacts in the regions where it operates, therefore, it invests in urban infrastructure, which involves the construction of health centers, renovation of schools, paving of roads, among other improvements.



Target 1.4



2030 MRV vision

- Within the viability of the projects, offer housing with quality infrastructure, meeting the demands of the public authorities and communities in the areas in which MRV operates and contributing to sustainable cities.



Target range curve



Justification

- Brazilian rules require that developments built, including for the low-income public, are connected to basic infrastructure, including sanitation and electricity. MRV's ventures influence the reduction of vulnerability of those who acquire them.
- In 2018, 230 million were invested in infrastructure in the neighborhoods and municipalities of MRV's real estates.



Milestones for achieving the 2030 MRV vision

- 2019 - Annual Construction Target
- 2020 - Annual Construction Target



Target 1.4



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Global Compact

Compliance

- Caixa's Manual for Contracting the Legal Process
- Municipal Master Plans

Seals

- MRV + Verde (Green Houses)

Actions

Programs

- Investment in Urban Infrastructure

Indicators

- Number of units produced per year
- Number of infrastructure counterparts built
- Construction and urbanization costs
- Urbanization carried out within budget (%)







Target 3.8



Brazilian Target

Ensure, through the Unified Health System (SUS), universal health coverage, access to quality essential health services at all levels of care, and access to safe, effective and quality essential medicines and vaccines that are incorporated into the list of products offered by SUS.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- () Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation[1]

Related departments

- Medicine

Aspects of connection between the MRV Goal and business

- The MRV candidate / collaborator is advised to keep his/her vaccination card updated, and is directed to the health center if he/she has a delayed vaccine. This contributes to the health of MRV's team, reducing risks for the company.





Target 3.8

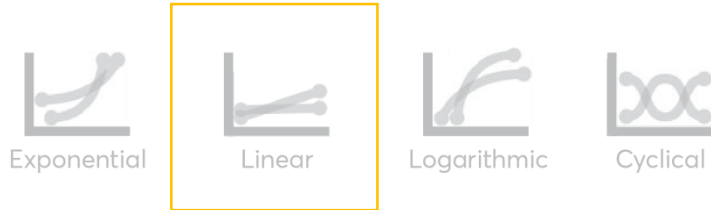


2030 MRV vision

- Intensify vaccination campaigns.



Range curve



Justification

- MRV asks the candidate/collaborator to update the vaccine card, which contributes to his/her immunization. A greater number of vaccinated employees bring gains to society and MRV.



MRV status in 2019

Enabling factors

Standard Operating Procedures (SOPs)

- Vaccination requirement on employee days

Actions

Program

- Vaccination Program

Indicators

- Annual vaccination campaigns carried out
- Number of employees vaccinated





Target 4.3



Brazilian Target

By 2030, ensure equity (gender, race, income, territory and others) of access and permanence to quality vocational and higher education, free or at affordable prices.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- SSMA (Health, Safety and Environment)
- Sustainability
- DH (Human Development)

Aspects of connection between the MRV Goal and business

- MRV's priorities include offering employees and residents of the communities where it operates opportunities for personal and professional development, with focus on increasing people's employability and productivity, bringing gains to the business and society.



Target 4.3



2030 MRV vision

- Increase the number of technical training and professional development actions for employees, interns and trainees and neighboring communities.
- To increase the number of teenage apprentices, meeting the quota required by the Apprenticeship Act.



Justification

- Investment in training, education and qualification are fundamental guidelines of MRV's business, which allow the professional development of employees and the communities where the company operates. MRV believes that education and qualification are pillars for the social transformation of society and enable the construction of more attractive work environments and wellbeing for employees.



Range curve





Target 4.3



MRV status in 2019

Enabling factors

Policy

- Personnel Management Policy
- Sustainability Policy

Commitments

- Global Compact

Seals

- Obra Verde MRV (MRV Green Building Seal)

Technologies

- Platform Develop (Platform for Training and Distance Education)



Actions

Programs

- Leadership Academy
- Escola Nota 10 - Construction site (Education in Construction Sites)
- Professional Qualification Programs
- Trainee MRV
- Apprenticeship Program (Minor Apprentice)
- Distance education

Indicators

- Hours of training held annually (educational and technical)
- Distance learning course hours
- Number of courses held annually
- Annual number of participants in the MRV Trainee Program
- Number of teenage apprentices hired
- Number of people benefited from the Escola Nota 10 (Education in Construction Sites) Program



Target 4.4



Brazilian Target

By 2030, substantially increase the number of youngsters and adults who have the necessary skills, especially technical and professional, for employment, decent work and entrepreneurship.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- SSMA (Health, Safety and Environment)
- DH (Human Development)
- Sustainability
- MRV Institute

Aspects of connection between the MRV Goal and business

- MRV's priorities include offering employees and residents of the communities where it operates opportunities for personal and professional development, with focus on increasing people's employability and productivity, bringing gains to the business and society.



Target 4.4



2030 MRV vision

- Increase the number of technical training and professional development actions for employees, interns, trainees and neighboring communities.
- To increase the number of teenage apprentices, meeting the quota required by the Apprenticeship Act.



Justification

- Investment in training, education and qualification are fundamental guidelines of MRV's business, which allow the professional development of employees and the communities neighboring the real estates. MRV believes that education and qualification are pillars for social transformation and enable the construction of more attractive work environments and wellbeing for employees.



Range curve





Target 4.4



MRV status in 2019

Enabling factors

Policy

- Personnel Management Policy
- Sustainability Policy

Commitments

- Global Compact

Seals

- MRV + Verde (Green Houses)

Technologies

- Platform Develop (Platform for Training and Distance Education)



Actions

Programs

- Leadership Academy
- Escola Nota 10 (Education in Construction Sites)
- Professional Qualification Programs
- Trainee MRV
- Apprenticeship Program (Minor Apprentice)
- Distance education

Indicators

- Hours of training held annually (educational and technical)
- Distance learning course hours
- Number of courses held annually
- Annual number of participants in the MRV Trainee Program
- Number of teenage apprentices hired
- Number of people benefited from the Escola Nota 10 (Education in Construction Sites)



Target 4.5



Brazilian Target

By 2030, eliminate gender and race inequalities in education and ensure equity of access, permanence and success at all levels, stages and modalities of education for groups in situations of vulnerability, especially carriers of disability, rural populations, itinerant populations, indigenous and traditional communities, teenagers and youths in compliance with social and educational measures and people on the streets or in detention.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- MRV Institute
- Institutional Relations
- DH (Human Development)

Aspects of connection between the MRV Goal and business

- MRV Institute materializes MRV's commitment to Sustainability and Education. It supports projects that stimulate the development of children and teenagers living in socially vulnerable communities. In addition, MRV is a partner of GPA (Company responsible for the administration of the Public-Private Penitentiary Complex of Ribeirão das Neves – MG/BR) and of the Rede Cidadã (Social Assistance Entity), with the execution of the Socio-Learning Program in the Prison System, offering opportunities for professional and personal training.



Target 4.5



2030 MRV vision

- Continuously expand the Educate to Change program to increase the volume of projects contemplated or the transfer amount.
- Run the Socio-Learning Program in the Prison System, increasing the number of beneficiaries.



Range curve



Justification

- One of the pillars of MRV Engenharia's business is Social Responsibility, which is why the Company is always seeking solutions and initiatives that promote social transformation, sustainable development and the wellbeing of society. Investment in initiatives that promote access to education and professional training is an opportunity for MRV to expand its social impact on the communities in which it operates and on society.





Target 4.5



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Global Compact

Actions

Programs

- Educar para Transformar – Instituto MRV (Educate to Transform - MRV Institute)
- Socio-learning Program in the Prison System (GPA Partnership and Rede Cidadã)
- Escola Nota 10 (Education in Construction Sites)

Projects

- Biblioteca Viva (Living library Project)
- Projeto Avante (Avante Project)

Indicators

- Beneficiaries of educational programs of the MRV Institute
- Number of direct beneficiaries of the Socio-Learning Program in the Prison System
- Number of people benefited from the Escola Nota 10 Program (Education in Construction Sites)







Target 5.1



Brazilian Target

Eliminate all forms of gender discrimination at its intersections with race, ethnicity, age, disability, sexual orientation, gender identity, territoriality, culture, religion and nationality, especially for girls and women in rural, forest, water and urban peripheries.

Related departments

- DP (Personnel Department)
- DAE (Employee Support Department)
- DH (Human Development)

Aspects of connection between the MRV Goal and business

- MRV is committed to providing workers with a work environment that provides opportunities for professional development and that promotes gender equality and respect for diversity.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation





Target 5.1



2030 MRV vision

- Develop initiatives to increase the number of women in MRV operations;
- Promote awareness actions on gender equity and diversity with MRV's employees and suppliers;
- Develop a gender equality program and other measures that promote equal opportunities.



Range curve



Justification

- The search for gender equality and diversity is MRV's commitment to the sustainable development of society, in addition to following the guidelines of the indexes in which the company participates, the covenants it has signed and the company's shareholders.
- MRV has more than 22,000 direct employees and 5,442 outsourced employees. Of the total, 82% are men, and 18% are women, whose participation increased 117% on building sites in the last year. The number of women in leadership positions in MRV has also grown, specifically in management positions.





Target 5.1



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Personnel Management Policy
- Supplier Relationship Policy
- Sustainability Policy

Commitments

- Global Compact
- Corporate Sustainability Index (ISE)

Standard Operating Procedures (SOPs)

- Recruitment and Selection Processes

Actions

Programs

- Programa de Integridade MRV (MRV Integrity Program)

Projects

- Diversity and Inclusion Workshop
- Awareness of diversity and inclusion
- Women's Day Celebration
- Personnel Management Cycle
- Integrity Pocket Guide
- Partnership with NGO Women in Construction





Target 5.1



Indicators

- Number of women in leadership positions in MRV
- Number and percentage of employees by gender and employee category
- Number of employees by gender and region
- Number of employees by gender and employment contract
- Mathematical ratio of basic wage and remuneration between women and men
- Number of complaints regarding gender discrimination in the Confidential Channel
- Projects aimed at monitoring and strengthening gender equality and non-discrimination.





Target 5.5



Brazilian Target

Guarantee the full and effective participation of women and equal opportunities for leadership at all levels of decision-making in the public sphere, in its political and economic dimensions, considering the intersections with race, ethnicity, age, disability, sexual orientation, gender identity, territoriality, culture, religion and nationality, especially for women in rural, forest, water and urban peripheries.

Related departments

- DP (Personnel Department)
- Education in Construction Sites (Human Development)

Aspects of connection between the MRV Goal and business

- MRV is committed to providing workers with a work environment that provides opportunities for professional development and that promotes gender equality and respect for diversity.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation





Target 5.5



2030 MRV vision

- Promote initiatives aimed at increasing the number of women in leadership positions in MRV;
- Promote initiatives aimed at career development for women, with the objective of accelerating leadership training;
- Promote awareness actions on gender equity and diversity with MRV's employees and suppliers;
- Develop a gender equality program and other measures that promote equal opportunities..



Justification

- The search for gender equality and diversity is MRV's commitment to the sustainable development of society, in addition to following the guidelines of the indexes in which the company participates, the covenants it has signed and the company's shareholders.
- MRV has more than 22,000 direct employees and 5,442 outsourced employees. Of the total, 82% are men, and 18% are women. In 2018, the number of women in leadership positions at MRV grew, specifically in management positions.



Range curve





Target 5.5



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Personnel Management Policy
- Supplier Relationship Policy
- Sustainability Policy

Commitments

- Global Compact
- Corporate Sustainability Index (ISE)

Standard Operating Procedures (SOPs)

- Recruitment and Selection Processes

Actions

Programs

- MRV Integrity Program

Projects

- Diversity and Inclusion Workshop
- Awareness of diversity and inclusion
- Women's Day Celebration
- Personnel Management Cycle
- Integrity Pocket Guide

Indicators

- Proportion of women, in relation to men, in managerial and leadership positions in MRV
- Relationship between women's / men's pay





Target 6.1



Brazilian Target

By 2030, achieve universal and equitable access to safe and affordable drinking water for all.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation



Related departments

- Engineering
- SSMA (Health, Safety and Environment)
- DI (Real Estate Development)
- Projects
- Release management

Aspects of connection between the MRV Goal and business

- MRV is concerned with the rational and sustainable use of water in its real estates and, therefore, seeks the optimization and efficiency of the resource for its preservation and guarantee of availability for other users in the region.



Target 6.1



2030 MRV vision

- To provide drinking water services managed in a safe manner to all clients served by MRV.
- Assist in the provision of safe, managed drinking water services to communities.
- Provide access to safe and clean water for all workers in the workplace throughout the production chain.



Justification

- Access to safe drinking water is a human right and despite being one of the largest freshwater holders in the world, Brazil has been experiencing water stress in its most populated regions. Achieving universal and equitable access to safe and clean water is one of the most important goals to be achieved by 2030.



Range curve



Milestones for achieving the 2030 MRV vision

- 2018 - 2% reduction in water consumption
- 2019 - 2% reduction in water consumption





Target 6.1



MRV status in 2019

Enabling factors

Policy

- Resolution n° 64/292 (Human right to water and sanitation).

Commitments

- CDP *Water*

Compliance

- Caixa's Manual for Contracting the Legal Process
- Municipal Master Plans

Seals

- Obra Verde (Green Construction)
- MRV + Verde (Green Houses)

Actions

Programs

- Water Saving Plans

Projects

- Morador Sustentável (Sustainable Dweller)

Indicators MRV

- Proportion of real estates that provide drinking water services managed in a safe manner.
- Number of residents (clients and non-clients) who are served by safely managed drinking water services due to the influence of MRV.
- Provision of and access to safe drinking water for all workers in the work environment throughout the chain (facilities, water analysis).



Target 6.2



Brazilian Target

By 2030, achieve access to adequate and equitable sanitation and hygiene for all, and end open defecation, with special attention to the needs of women and girls and those in vulnerable situations.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- () Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Engineering
- SSMA (Health, Safety and Environment)
- DI (Real Estate Development)
- Projects
- Release management

Aspects of connection between the MRV Goal and business

- MRV is concerned about the wellbeing of its clients and the communities where it is present, so the provision of basic sanitation - among other urbanization and infrastructure services - to all clients is of vital importance.



Target 6.2



2030 MRV vision

- Increase investment in basic sanitation in order to complement and accompany the perspective of universalization of basic sanitation in the country.
- Maintain coverage of 100% of clients and communities served by MRV in all projects.



Justification

- According to WHO the investment of U\$1.00 (~R\$3.76) in sanitation, generates a return of U\$9.00 (~R\$33.84) for the economy of a country.
- According to Plansab, Brazil should invest about R\$508 billion by 2033 to universalize water sanitation services in the country. MRV allocated R\$ 71.5 million for this purpose in the areas where it operates.



Range curve





Target 6.2



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Compliance

- Law n° 11.445/2007 "Sanitation Law"
- Law n° 9.433/1997 "Water Law": (PNRH)
- NR 24 and NR 18
- Caixa's Manual for Contracting the Legal Process
- Municipal Master Plans

Seals

- Obra Verde (Green Construction)
- MRV + Verde (Green Houses)

Actions

Projects

- Urban improvement projects.

Indicators

- Population served by MRV that uses safely managed sanitation services (real estates).
- Investment in water and sanitation and financial return (added value and service availability).



**7 AFFORDABLE AND
CLEAN ENERGY**





Target 7.3



Brazilian Target

By 2030, increase the rate of energy efficiency improvement of the Brazilian economy.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation



Related departments

- Projects
- Sustainability
- Supplies
- Technical Assistance

Aspects of connection between the MRV Goal and business

- MRV is the first construction company in Latin America to bring large-scale photovoltaic solar energy to the economic real estate segment. Intends, by 2022, that 100% of its housing units will be launched with clean energy supply.



Target 7.3



2030 MRV vision

- Expand sustainability certifications for the construction sites and real estates.
- Reduce energy consumption by including efficient equipment and expanding the supply of clean alternative energies.
- Expand the energy efficiency of MRV's real estates.



Range curve



Justification

- Due to the enormous potential that Brazil has for solar energy generation, the investment and dissemination of the use of this and other alternative, clean and efficient sources is essential to ensure a safe, reliable, accessible and sustainable energy system.
- According to a survey by the Brazilian Chamber of Civil Construction Industry (CBIC) conducted with consumers, more than 80% approve innovations in the sector. In relation to economy, the measures for rationalization of energy and water consumption, the use of sunroof and thermal comfort are, in this order, the most appreciated.



Marcos para alcance da meta

- 2022 – Clean energy offer for all new projects launched



Target 7.3



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy
- Supplier Relationship Policy

Compliance

- Resolution 482 (ANEEL)

Standard Operating Procedures (SOPs)

- Lighting of sheds

Seals

- MRV + Verde (Green Houses)

Technologies

- LED
- Presence Sensor
- Photovoltaic Plates
- Equipment with high energy efficiency
- MRV Solar (portal for measuring the savings generated by panels in real estates)

Actions

Programs

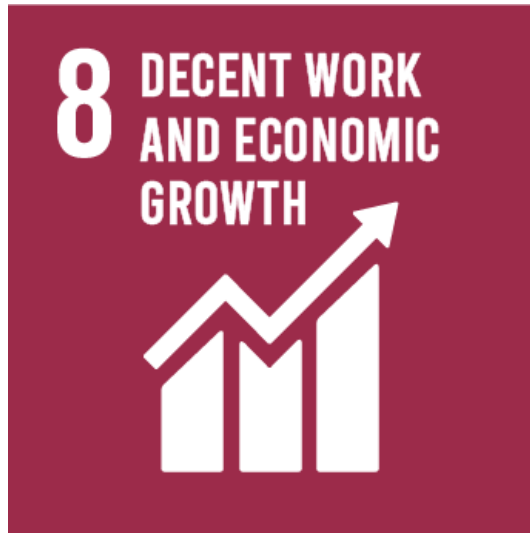
- MRV Solar Power Plants Program
- Plans for electric energy savings through the use of photovoltaic energy

Projects

- Low-cost social power supply projects (e.g. construction of a small solar plant for the Lar dos Meninos SSVP).

Indicators

- Monitoring the use and reduction of energy use over time.
- Use of efficient equipment and supply of clean alternative energy
- Sustainability certifications of construction sites and real estates





Target 8.4



Brazilian Target

Increase the efficiency of the use of global resources in consumption and production, and strive to decouple economic growth from environmental degradation, in accordance with the Sustainable Production and Consumption Action Plan (PPCS).



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- DI (Real Estate Development)
- Projects
- Supplies
- SSMA (Health, Safety and Environment)
- Sustainability

Aspects of connection between the MRV Goal and business

- With the use of *Building Information Modeling* - BIM, MRV improves construction planning, reducing waste generation.
- MRV maintains a strict control of materials, consumption is monitored to better use them and reduce environmental impact.
- Due to the concern with the rational use and preservation of non-renewable resources, environmental criteria are part of the supplier selection system.



Target 8.4



2030 MRV vision

- Maximize reuse and recycling, reduce consumption of natural resources, expand the use of pre-molded components and Life Cycle Analysis of Materials.
- Implement the mapping of suppliers that have the ISO 14001; ISO 45001; SA 8000; NBR 16.001 certifications, and that voluntarily participate in the CDP - *Supply Chain* (MIDAS).
- Search for new certifications and stamps, (e.g. *Smart City*) that act in favor of sustainable buildings.
- Prepare booklets that show the impacts of construction choices by the consumer.



Justification

- It is estimated that between 40% and 75% of natural resources are consumed by civil construction in the world, in Brazil alone the sector generates 25% of the total waste of the entire industry. MRV adopts a set of actions aimed at rational use and reduction, aiming at the preservation of non-renewable resources.

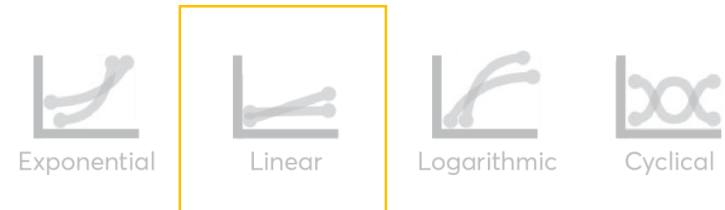


Milestones for achieving the 2030 MRV vision

- 2018 - Reduce use by 5% - Consumption of buckets per unit produced in the real estates
- 2019 - Reduce use by 5% - Consumption of buckets per unit produced in the real estates



Range curve





Target 8.4



MRV status in 2019

Enabling factors

Policy

- Supplier Relationship Policy
- Sustainability Policy

Commitments

- NBR ISO 14040:2014 -ACV
- NBR ISO 14001

Compliance

- Act No.12.305/10 (PNRS)

Standard Operating Procedures (SOPs)

- Waste Management - Reuse, recycling and reuse of waste

Seals

- Obra Verde MRV (Green Construction)

Technologies

- Pre-molded components.
- *Building Information Modeling* - BIM

Actions

Programs

- CDP *Supply Chain*.

Indicators

- Materials used per built unit, broken down by volume, weight, category and origin (recycled or not).
- Number of suppliers selected on the basis of environmental criteria in relation to the total number of suppliers.
- Environmental compliance with laws, certifications and standards.
- Monitoring of the sustainable construction methods used, demonstrating the change in consumption over time.



Target 8.5



Brazilian Target

By 2030, reduce the unemployment rate and other forms of underutilization of the labor force by 40%, ensuring decent work, with emphasis on equal pay for work of equal value.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation

Related departments

- DP (Personnel Department)
- Education in Construction Sites (Human Development]
- DAE (Employee Support Department)

Aspects of connection between the MRV Goal and business

- Civil construction is a labor-intensive sector. MRV has a large number of employees, in addition to operating an extensive supply chain.
- MRV is committed to providing workers with a work environment that provides opportunities for professional development and that promotes gender equality and respect for diversity.





Target 8.5



2030 MRV vision

- Expansion and implementation of the HSE Management (OHSAS 18001) in construction sites, meeting MRV standardization and mandatory legal requirements;
- Structure the Diversity program to ensure responsive, inclusive, participatory and representative decision-making at all levels.
- Expansion of the training programs offered to the communities where the company operates, to increase the hiring of these residents.



Justification

- The company is committed to ensuring sustainability conditions, encouraging gender equity, supporting diversity, respecting labor legislation by ensuring decent work for all and providing opportunities for development and growth with equality.



Target range curve





Target 8.5



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Human Resources Policy
- Supplier Relationship Policy

Compliance

- Labor legislation
- OHSAS 18001
- Inspection of compliance with labor legislation by the DAE

Seals

- Obra Verde MRV (Green Construction)

Actions

Programs

- Inclusion Program for Carriers of Disabilities

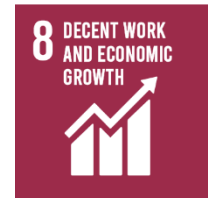
Indicators

- Number of employees
- Number of carriers of disability hired
- Ratio of basic wage and remuneration of women to men for each category of employees, by significant locations of operation.
- Mathematical ratio of basic wage and remuneration between women and men





Target 8.6



Brazilian Target

Achieve a reduction of 3 percentage points by 2020 and 10 percentage points by 2030 in the proportion of youngsters not in employment, education or vocational training.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation

Related departments

- DP (Personnel Department)
- Education in Construction Sites (Human Development)

Aspects of connection between the MRV Goal and business

- In order to contribute to the preparation and development of youngsters for the job market, MRV hires teenage apprentices. The idea of the project is to offer low-income youth the opportunity to qualify and achieve opportunities to enter the job market, through theoretical and practical courses, to be held in MRV's facilities. MRV also offers Internship and Trainee Programs.



Target 8.6



2030 MRV vision

- Increase hiring of youngsters through the Apprenticeship Program, meeting the quota of apprentices required by the current legislation.



Justification

- Investment in training, education and qualification are fundamental guidelines of MRV's business, which allow the professional development of employees and communities surrounding the real estates. MRV believes that education and qualification are pillars for social transformation and enable the construction of more attractive work environments and wellbeing for employees.



Target range curve





Target 8.6



MRV status in 2019

Enabling factors

Policy

- Human Resources Policy
- Sustainability Policy

Compliance

- Apprenticeship Act (Act 10.097/2000)

Actions

Programs

- Internship Program
- Professional Learning Program
- Prison System Learning Program

Indicators

- Number of apprentices hired by the Apprenticeship Act
- Number of trainees in MRV operations



Target 8.7



Brazilian Target

By 2025, eradicate labor in conditions analogous to slavery, trafficking in persons and child labor, especially in its worst forms.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation



Related departments

- SSMA (Health, Safety and Environment)
- Legal
- Education in Construction Sites (Human Development)
- Compliance
- Risk Management
- DAE (Employee Support Department)
- Supplies

Aspects of connection between the MRV Goal and business

- MRV Engenharia restrains any violation of human rights in its productive activities. In the process of selecting suppliers and service providers, inspections are carried out in order to prevent working conditions analogous to slavery, child labor and other forms of violation of rights.



Target 8.7



2030 MRV vision

- Maintain inspection of MRV's operations in order to prevent conditions of labor analogous to slavery, child labor and other forms of violations of rights.



Justification

- MRV is committed to preventing and eliminating any situation of human rights violations in its relations with its suppliers.



Target range curve





Target 8.7



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Risk Management Policy
- Sustainability Policy
- Personnel Management Policy
- Compliance Policy
- Integrity Due Diligence Policy
- Relationship Policy with Suppliers, Service Providers and Intermediary Agents
- Stakeholder Relations Policy

Commitments

- Global Compact
- Corporate Sustainability Index (ISE of B3 – Brazilian Stock Exchange)
- Ethos Institute

Compliance

- Inspection of compliance with the labor legislation by the DAE
- Supplier contracts with labor legislation compliance clause
- OHSAS 18001

Actions

Programs

- Confidential Channel
- Integrity Program

Indicators

- Percentage of contracts with clauses of compliance with labor legislation
- Percentage of suppliers audited by the DAE
- Whistleblowing on violation of the dignity of work

9 INDUSTRY,
INNOVATION AND
INFRASTRUCTURE





Target 9.4



Brazilian Target

By 2030, modernize infrastructure and rehabilitate economic activities to make them sustainable, with focus on the use of renewable resources and increased adoption of clean and environmentally friendly industrial technologies and processes.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation

Related departments

- DI (Real Estate Development)
- Production
- SSMA (Health, Safety and Environment)
- Sustainability

Aspects of connection between the MRV Goal and business

- With the Solar Plant program, MRV is contributing to the development of photovoltaic energy infrastructure in Brazil.
- MRV is committed to generating positive social and economic impacts in the regions where it operates, therefore, it invests in urban infrastructure, which involves the construction of health centers, renovation of schools, paving of roads, among other improvements.



Target 9.4



2030 MRV vision

- Within real estates feasibility, offer housing with quality infrastructure, meeting the demands of the public authorities and communities in the areas in which MRV operates and contributing to sustainable cities.

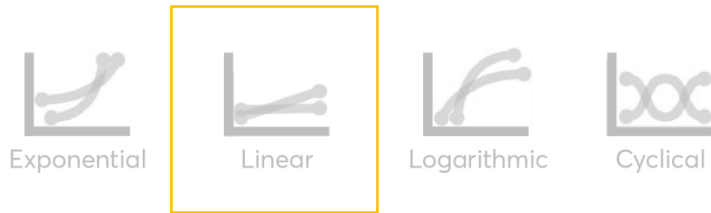


Justification

- Brazilian rules require that developments built, including for the low-income public, be connected to basic infrastructure, including sanitation and electricity. MRV's ventures influence the reduction of vulnerability of those who acquire them.
- In 2018, 230 million were invested in infrastructure in MRV's neighborhoods and municipalities.
- The MRV Solar Power Plants program supports the structuring of the necessary infrastructure for distributed power generation systems, favoring the expansion of clean energy generation in Brazil.



Target range curve





Target 9.4



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy
- Supplier Relationship Policy

Commitments

- Global Compact
- CDP Water

Compliance

- Caixa's Manual for Contracting the Legal Process
- Municipal Master Plans
- Resolution 482 (ANEEL)

Standard Operating Procedures (SOPs)

- Environmental Viability Assessment

Seals

- MRV + Verde (Green Houses)

Technologies

- MOVE (Mode for Vulnerability Evaluation)

Actions

Programs

- Compensation of Greenhouse Gases
- Greenhouse Gas Inventory
- MRV Photovoltaic Solar Power Program
- Investment in Urban Infrastructure

Projects

- Adaptation and Climate Vulnerability (Project for adaptation to new environmental conditions)

Indicators

- Number of infrastructure counterparts built
- Construction and urbanization costs
- Urbanization carried out within the budget (%)
- Number of real estates with photovoltaic panels installed



Target 9.5



Brazilian Target

Strengthen scientific research and improve the technological capabilities of companies, encouraging innovation by 2030, with view to increasing the use of scientific and technological knowledge in national socioeconomic challenges and in socioenvironmental inclusive technologies; and increase the aggregate productivity of the economy.

- a) To increase the number of research and development workers per million inhabitants to 3,000;
- b) To increase to 120,000 the number of technicians and researchers engaged in R&D in companies; and
- c) Increase public and private spending on research and development to 2.00% of GDP.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Innovation
- Financial Planning
- DI (Real Estate Development)
- Supplies
- Sustainability

Aspects of connection between the MRV Goal and business

MRV supports the development of innovations throughout its production chain and seeks to engage startups to improve its systems and production processes and customer service.





Target 9.5



2030 MRV vision

Structure relationships with suppliers and startups to promote innovations that promote reduction of costs and waste, increase construction speed and improve the quality of projects and customer service.



Justification

- MRV has a set of challenges to improve its productivity and reduce costs and business risks, which can be solved with innovations.
- MRV works with the open innovation method, in which it supports innovative companies and participates in entrepreneurship hubs to promote and incorporate innovations into the business.



Target range curve





Target 9.5



MRV status in 2019

Enabling factors

Policy

- Supplier Relationship Policy

Commitments

- Global Compact

Seals

- MRV + Verde (Green Houses)

Technologies

- Concrete maturity sensor
- New coatings
- New construction methods

Actions

Programs

- Órbi Connects
- TREE lab

Indicators

- Financial expenditure on innovation
- Financial expenditure on innovation, in proportion to revenue.
- Return on Investment in Innovation







Target 10.1



Brazilian Target

By 2030, progressively achieve and sustain income growth for the 40% of the poorest population at a rate higher than the average income of the 10% richest.

Related departments

- Sustainability
- MRV Institute



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Aspects of connection between the MRV Goal and business

- MRV's priorities include offering employees and residents of the communities where it operates opportunities for personal and professional development, with a focus on increasing people's employability and productivity, bringing gains to the business and society.
- The MRV Institute materializes MRV's commitment to Sustainability and Education. It supports projects that stimulate the development of children and teenagers living in socially vulnerable communities.





Target 10.1



2030 MRV vision

- Increase the number of technical training and professional development actions for employees, interns, trainees and neighboring communities.
- Continuously expand the Educate to Change program to increase the volume of projects contemplated or the transfer value.



Justification

- One of the pillars of MRV Engenharia's business is Social Responsibility, which is why the Company is always seeking solutions and initiatives that promote social transformation, sustainable development and the wellbeing of society. Investing in initiatives that promote access to education and vocational training is an opportunity for MRV to increase its social impact on the communities in which it operates and on society. These long-term initiatives have a direct impact on the generation of opportunities and income for families.
- By offering training and education to people inside and outside the company, MRV enables them to obtain better quality jobs with higher remuneration.



Target range curve





Target 10.1



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Global Compact

Seals

- Obra Verde MRV (Green Construction)

Actions

Programs

- Escola Nota 10 (Education in Construction Sites)
- Apprenticeship Program (Minor Apprentice)
- Long Distance education
- MRV Vizinho do Bem (Sustainable Neighborhood)
- Call Notice for Projects Incentives

Indicators

- Escola Nota 10 (Education in Construction Sites) units implemented
- Number of students trained in Escola Nota 10 (Education in Construction Sites) School courses
- Developments with the Vizinho do Bem Program implemented
- Empowered population in the Vizinho do Bem Programs
- Number of employees at the building site
- Collective bargaining agreements with trade unions





Target 10.2



Brazilian Target

By 2030, empower and promote the social, economic and political inclusion of all in order to reduce inequalities regardless of age, gender, disability, race, ethnicity, nationality, religion, economic or other status.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- () Real estate use and occupation

Related departments

- MRV Institute
- Sustainability

Aspects of connection between the MRV Goal and business

- MRV is committed to the development of the communities where it operates and to corporate social responsibility, which is why it develops the MRV Vizinho do Bem Program and created the MRV Institute, the social arm of the Company. In addition, it promotes several actions that contemplate the inclusion of carriers of disability and the Learning Program in the Prison System.



Target 10.2



2030 MRV vision

- Enlarge the MRV Vizinho do Bem Program
- Expand the Inclusion Program for Carriers of Disabilities
- Expand the Educate to Change Program to increase the volume of projects contemplated
- Expand the Socio-Learning Program in the Prison System, increasing the number of beneficiaries.



Justification

- Sustainability is an essential element of MRV's business, so promoting social inclusion and reducing inequality are key elements and commitments for good performance and results. MRV understands that building a better world requires the contribution of everyone, involving companies, public authorities and the third sector. Therefore, MRV understands how important its role in this transformation is.



Target range curve





Target 10.2



MRV status in 2019

Enabling factors

Policy

- Personnel Management Policy
- Sustainability Policy

Commitments

- Global Compact

Actions

Programs

- Employee Benefits Program
- MRV Vizinho do Bem (Sustainable Neighborhood)
- Inclusion Program for Carriers of Disabilities
- Learning Program
- Prison System Learning Program
- Escola Nota 10 (Education in Construction Sites)

Indicators

- Number of employees on the building site.
- Number of benefits granted to employees by position
- Number and percentage of employees by employee category and ethnicity
- Number of carriers of disability hired
- Number and percentage of employees by employee category and gender
- Collective bargaining agreements with trade unions
- Average wage offered by MRV in relation to the country's average wage for the respective positions of its employees (by gender and age).



Target 10.3



Brazilian Target

Ensure equal opportunities and reduce inequalities in results, including through the elimination of discriminatory laws, policies and practices and promote appropriate legislation, policies and actions in this regard.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- DH (Human Development)
- DAE (Employee Support Department)

Aspects of connection between the MRV Goal and business

- MRV seeks to have a diverse workforce, encouraging gender balance, race/color, sexual orientation and inclusion of carriers of disability. The Company already has an Inclusion Program for Carriers of Disabilities and is structuring actions of the Diversity Program to expand the vision and practices that promote equal opportunities.



Target 10.3



2030 MRV vision

- Promote the principle of inclusion, equity and non-discrimination, promoting internalization in MRV.
- Structure the Diversity Program to ensure responsive, inclusive, participatory and representative decision-making at all levels.
- Make diversity part of business results and indicators of diversity be considered for strategic decision making.
- Develop and implement policies aimed at both "equal opportunities" and "equality of positions".



Target range curve



Exponential



Linear



Logarithmic



Cyclical



Justification

- Companies are being called upon to become more transparent and to operate with respect for the different groups involved in their activities. MRV has initiated a diversity program and is structuring an action plan to consider diversity issues in its decisions.



Target 10.3



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Sustainability Policy
- Personnel Management Policy
- Integrity Policy

Commitments

- Global Compact
- Ethos Institute

Compliance

- Labor legislation

Standard Operating Procedures (SOPs)

- Recruitment and Selection Processes (dh)

Actions

Programs

- Integrity Program
- Inclusion Program for Carriers of Disabilities
- Diversity Program

Projects

- Awareness of diversity and inclusion
- Personnel Management Cycle
- Career Committee

Indicators

- Number and percentage of employees by employee category and ethnicity
- Number of carriers of disability hired
- Number and percentage of employees by employee category and gender



Target 10.4



Brazilian Target

Reduce inequalities through the adoption of fiscal, tax, wage and social protection policies.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation



Related departments

- DAE (Employee Support Department)
- DP (Personnel Department)
- DH (Human Development)

Aspects of connection between the MRV Goal and business

- MRV has a guideline for the compensation of its employees, all of whom benefit from the remuneration policy based on the Hay Group methodology, which aligns the positions and their respective functions to earnings, with a broad package of benefits, some of which are also extended to their dependents, which may vary from city to city, in accordance with the collective bargaining agreement.



Target 10.4



2030 MRV vision

- Maintain equal pay guidelines and policies according to positions;



Target range curve



Justification

- MRV's priorities include offering its employees a pleasant work environment with equal opportunities, contributing to increased productivity and wellbeing.
- MRV conducts wage surveys with companies in the domestic market to ensure competitiveness and the correct leveling of the values practiced.
- MRV adopts guidelines and practices to ensure equal opportunities and wage leveling according to the respective positions.





Target 10.4



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Personnel Management Policy

Compliance

- Labor legislation

Commitments

- Global Compact
- Ethos Institute

Actions

Programs

- Hay Group Methodology (alignment of salaries and positions)

Indicators

- Mathematical ratio of basic wage and remuneration between women and men.
- Benefits granted to employees.







Target 11.5



Brazilian Target

By 2030, significantly reduce the number of deaths and the number of people affected by natural disasters of hydro meteorological and climatological origin, as well as substantially reduce the number of people living in risk areas and the direct economic losses caused by these disasters in relation to gross domestic product, with special attention paid to the protection of low-income and vulnerable persons.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation

Related departments

- DI (Real Estate Development)
- Projects
- Production
- Risk Management
- Sustainability

Aspects of connection between the MRV Goal and business

- MRV conducts Climate Vulnerability and Environmental Viability studies to make decisions about land acquisition, so that new developments have reduced vulnerability to climatic events.
- MRV is committed to generating positive social and economic impacts in the regions where it operates, therefore, it invests in urban infrastructure.



Target 11.5



2030 MRV vision

- Within the viability of the projects, contribute to make the cities more sustainable.
- Map areas of risk of natural disasters occurring on site and in the neighboring areas of the developments to be built by MRV.
- Design and build housing in a manner consistent with the risks of natural accidents identified in the area of the development and neighborhood.

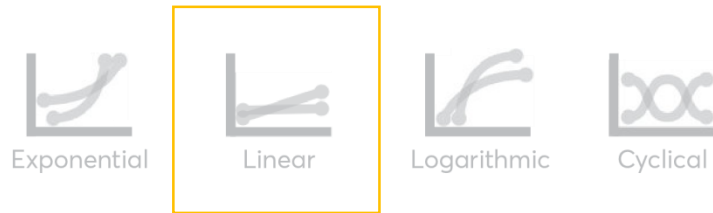


Justification

- In order to reduce the risks of natural disasters generated by climate change, it is important that companies assess how they can be impacted and integrate risk management into their planning, in order to increase the company's resilience.
- Brazilian rules require that all developments built are connected to basic infrastructure, including sanitation and electricity. In 2018, MRV invested 230 million in infrastructure in the neighborhoods and municipalities of its developments, influencing the reduction of vulnerability of those who acquire them.



Target range curve





Target 11.5



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy

Commitments

- Global Compact
- Ethos Institute

Compliance

- Caixa's Manual for Contracting the Legal Process
- Municipal Master Plans

Standard Operating Procedures (SOPs)

- Environmental Feasibility Study

Seals

- MRV + Verde (Green Houses)

Technologies

- Climates forum
- MOVE (Model for Vulnerability Evaluation)

Actions

Programs

- CDP *Climate Change*
- CDP *Supplier Engagement*
- CDP *Supply Chain*
- Integrity Program

Projects

- Adaptation and Climate Vulnerability (Project for adaptation to new environmental conditions)





Target 11.5



MRV Indicators

- Percentage of land bank land valued with MOVE
- Number of MRV real estates affected by events directly linked to climate change
- Direct economic losses caused by climate change, including damage caused by disasters to MRV real estates
- Number of infrastructure counterparts built
- Construction and urbanization costs
- Urbanization carried out within budget (%)
- Number of municipalities where MRV is present that are under water stress, consequently mapping construction sites that are also under water stress





Target 11.7



Brazilian Target

By 2030, provide universal access to safe, inclusive, accessible and green public spaces, in particular for women, children and teenagers, the elderly and carriers of disability, and other vulnerable groups.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- () Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation

Related departments

- DI (Real Estate Development)
- SSMA (Health, Safety and Environment)
- Production
- Technical Assistance

Aspects of connection between the MRV Goal and business

- MRV is committed to generating positive social and economic impacts in the regions where it operates, therefore, it invests in urban infrastructure, which involves the construction of health centers, renovation of schools, paving of roads, among other improvements.



Target 11.7



2030 MRV vision

- Within the viability of the projects, meet the demands of public authorities and communities in MRV's areas of operation, contributing to make the cities more sustainable.
- Expand the Vizinho do Bem Program (Sustainable Neighborhood).
- Maintain communication channels with clients and the community in order to monitor satisfaction levels and the economic and social impacts of their investments in these spaces.



Justification

- Brazilian rules require that all developments built are connected to the basic infrastructure, including sanitation and electricity. MRV's ventures influence the reduction of vulnerability of those who acquire them.
- In 2018, MRV invested approximately R\$ 222 million in infrastructure and urbanization improvements, of which R\$ 24.6 million was invested exclusively in public spaces such as parks and squares, improving the quality of local life.



Target range curve





Target 11.7



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Compliance

- Caixa's Manual for Contracting the Legal Process
- Municipal Master Plans

Actions

Programs

- MRV Vizinho do Bem (Sustainable Neighborhood)

Projects

- Projects for urban improvement

Indicators

- Quantity of public spaces for use by all, and with accessibility to the PNE's, in the neighborhoods (surroundings) of the real estates and communities where they are inserted.
- Financial investment in the improvement and construction of parks, squares or other public spaces.
- *Feedback* from communities on the positive socio-environmental impacts of establishing these spaces.







Target 12.4



Brazilian Target

By 2020, achieve environmentally sound management of chemicals and all wastes throughout their life cycle in accordance with internationally agreed milestones, and significantly reduce their release into the air, water and soil to minimize their negative impacts on human health and the environment.

Related departments

- Production
- SSMA (Health, Safety and Environment)
- Supplies

Aspects of connection between the MRV Goal and business

- The Obra Verde MRV (Green Construction) seal has criteria which promote environmentally appropriate management of the waste generated during production in all building sites.
- MRV adopts a set of actions aimed at the reduction, optimization and management of waste.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- () Real estate project
- (X) Construction
- () Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation



Target 12.4



2030 MRV vision

- Maintain and expand the waste management system, with the objective of contemplating the environmentally adequate management of all chemical products and all waste.
- Seek ways to reduce sending waste to sanitary and industrial landfills, by reducing waste generation and promoting reuse and recycling.



Justification

- Chemical wastes represent a very small proportion of the company's total volume, even so, MRV seeks to reduce its generation and find ways to recycle them and give them better final destination.
- In Brazil, the civil building sector generates about 25% of the total waste of the entire industry.
- Compared to 2017 in 2018, the volume of buckets per unit built was reduced by 38%, generating savings of R\$ 1.8 million.



Target range curve





Target 12.4



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- ISO 14001
- OHSAS 18001

Compliance

- Act No. 12.305/10 (PNRS)
- Resolution n° 307/2002 CONAMA
- Resolution n° 348/2004 CONAMA

Standard Operating Procedures (SOPs)

- Solid Waste Management Plan

Seals

- Obra Verde MRV (Green Construction)

Actions

Programs

- Sustainable Dweller Program

Projects

- Voluntary Delivery Point (VEP)
- Waste Reuse
- Construction Waste Management

Indicators

- Environmentally sound management of waste and chemicals.
- Life Cycle Analysis (Chemical Products and Waste).
- Quantity of hazardous waste generated: Hazardous waste treated, by type of treatment and untreated waste.
- Inventory of chemical products: Control substances according to GHS / UN and control of quantity of flammable products.



Target 12.5



Brazilian Target

By 2030, substantially reduce waste generation through the Circular Economy and its waste prevention, reduction, recycling and reuse actions.



Relationship with the MRV business

Value Chain Links

- () Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- () Real estate commercialization
- (X) Real estate use and occupation



Related departments

- Projects
- Production
- SSMA (Health, Safety and Environment)
- Supplies

Aspects of connection between the MRV Goal and business

- MRV has a solid waste management system, which adopts, among other strategies, the vision of Circular Economy.
- The company has partnerships with suppliers, in search of solutions for the reduction of waste generation.



Target 12.5



2030 MRV vision

- MRV intends to be a reference company in Circular Economy, for having processes with low waste generation, besides high capacity for reuse and recycling of materials.
- Promote and expand awareness and training programs for employees and residents of real estates in preventing the generation and correct disposal of waste.



Justification

- The civil building sector is one of the main sectors in the world economy, and it is estimated that between 20% and 50% of natural resources - which generate solid waste - are exploited by the sector. Waste can generate immeasurable environmental impacts, so it must be controlled, monitored and managed.
- MRV has already generated savings of R\$ 1.8 million by reducing the use of buckets per unit built and can benefit from improved management.



Target range curve



Milestones for achieving the 2030 MRV vision

- 2018 - Reduce by 5% the consumption of buckets per unit produced
- 2019 - Reduce by 5% the consumption of buckets per unit produced



Target 12.5



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy

Commitments

- Global Compact

Compliance

- Act No. 12.305/10 (National Policy on Solid Waste)
- Resolution n° 307/2002 CONAMA
- Resolution n° 348/2004 CONAMA

Standard Operating Procedures (SOPs)

- Solid Waste Management Plan

Seals

- Obra Verde MRV (Green Construction)

Actions

Programs

- Sustainable Dweller Program

Projects

- Voluntary Delivery Point (VEP)
- Waste Reuse
- Construction Waste Management

MRV Indicators

- Quantity of residual material in weight/volume: Generated, Recycled, Reused.
- Amount of waste that is deposited (no reuse, not recycled).
- Amount of waste (weight/volume) by type and method of disposal.
- Monitoring of waste reduction (by efficiency in the use or use of alternative material).





Target 13.1



Brazilian Target

Build resilience and adaptive capacity to risks and impacts resulting from climate change and natural disasters.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- DI (Real Estate Development)
- Projects
- Production
- Sustainability
- SSMA (Health, Safety and Environment)
- Supplies





Target 13.1



Aspects of connection between the MRV Goal and business

- MRV conducted a study of the analysis of vulnerability to climate change for some of its real estates, considering an area of 4 km² around each of them. The analysis considered the current scenario (2016) and future projections for the year 2030. All the explanatory variables selected to characterize the effects and adaptive capacity were georeferenced and normalized to make them spatially comparable and aggregate in a weighted compound vulnerability index. Vulnerabilities by type of potential impact (flooding, sliding, dengue and heat waves) were calculated using the Model of Vulnerability Evaluation (MOVE).
- Thus, MRV has the possibility of evaluating the creation of adaptation projects through vulnerability analysis, assessing the degree to which a natural or human system is capable of dealing with the adverse effects of climate change, the analysis of climate risk is part of the vulnerability index, which allows assisting the planning of future investments and ensuring a governance model that has sustainability and economic competitiveness as its core.
- MRV works to reduce the impact of climate change, having projects for compensation, mitigation, development of its employees and value chain on the subject and PLR goals.



Target 13.1



2030 MRV vision

- To make MRV a carbon neutral company in relation to 100% of its emissions.
- Expand the MRV Solar Power Plants Program to provide the greatest number of people with clean and low-cost energy.
- Establish partnerships with suppliers in order to expand the development of the chain through proposals for actions related to the reduction of GHG emissions.
- Use vulnerability and climate risk analyses when making decisions about the planning of real estates.



Justification

- As climate change advances, there is an urgent need to develop and implement adaptation strategies. Adopting plans based on the identification of risks and opportunities caused by climate change, making investments in socio-environmental protection and improving the resilience of socio-environmental risks in operations, are effective actions for the management of risks associated with climate change.



Target range curve



Milestones for achieving the 2030 MRV vision

- 2018 - 2% of MRV's relative water and energy consumption (per housing unit);
- 2018 - In 1% the emissions related to scope 1 of greenhouse gases (per unit built).



Target 13.1



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Risk Management Policy
- Climate Change Policy

Commitments

- GHG Protocol
- ICO₂ (B3)
- ISE
- Global Compact
- Climate Forum
- Energy and Climate Group - Global Compact
- Business Initiative in Climate - IEC

Standard Operating Procedures (SOPs)

- Environmental Feasibility Study (EVA)

Seals

- Obra Verde (Green Construction)
- MRV + Verde (Green Houses)

Technologies

- Climate Forum
- *Model of Vulnerability Evaluation (MOVE)*





Target 13.1



Actions

Programs

- CDP *Climate change*
- CDP *Water*
- CDP *Forests*
- CDP *Supply Chain*
- Carbon Management Plan
- MRV Solar Power Plants Program

Projects

- Life Cycle Analysis (LCA) Water, Energy and Carbon from MRV apartments
- Purchase of Carbon Credits
- Carbon Pricing Study
- MRV Valuation ESG study including carbon pricing scenario
- Development of a Supply Chain to reduce emissions

- Training of 100% of employees on Climate Change (DDSMA, Corporate TV, Intranet and CDP *Education*).
- Climate Vulnerability Project
- Participation in the development of the project Integration of the SDGs in the Brazilian Electricity Sector: Indicators and Goals - Global Compact
- Participation in the LAC *Climate Week* of the UNFCCC - *The Ambition Loop: How Business and Government Can Advance Policies that Fast Track Zero-Carbon Economic Growth*
- Train members of the areas involved in the Carbon Pricing project to enable an enlightened position before a proposal for a carbon pricing instrument for Brazil (PMR Project) - Global Compact



Target 13.1



Actions

Projects

- Climate Change Adaptation Project: Action to increase resilience in Brazil and adaptation in the value chain
- MAC curve project to reduce greenhouse gas emissions
- Brazilian Conference on Climate Change: In partnership with the Ethos Institute, WWF, among other institutions, the Brazilian Conference on Climate Change will promote a space for neutral and open dialogue between the private sector, government and civil society. MRV is one of the coordinating institutions of the Cities and Waste group and we also participate as collaborators of the Energy group.

Indicators

- Relationship between emissions and neutralization of emissions.
- Methods and technologies for optimizing the use of materials on building sites.
- Power generation capacity of MRV solar power plants
- Development of the Supply Chain to reduce emissions, and feedback on the benefits generated.
- Analysis of the benefits generated by planning based on the analysis of vulnerability and climate risk.
- Monitoring the evolution of suppliers participating in the CDP *Supply Chain* Program





Target 13.3



Brazilian Target

Improve education, raise awareness and human and institutional capacity on climate change, its risks, mitigation, adaptation, impacts, and early warning.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation



Related departments

- Sustainability
- SSMA (Health, Safety and Environment)
- DH (Human Development)

Aspects of connection between the MRV Goal and business

- MRV's MRV Carbon Management Plan has guidelines compatible with those of the National Policy on Climate Change.
- Training, awareness, education of its employees (DDSMA, Corporate TV, Intranet, CDP *Education* and *Jornal da Obra*), dwellers (Morador Sustentável), neighborhood (Voluntary Delivery Point - PEV) and for its suppliers through *newsletters* and CDP *Supply Chain*.
- Awareness of stakeholders through the participation of panels in events on the theme



Target 13.3



2030 MRV vision

- Maintain clear and transparent communication, helping to identify the resources needed to implement the company's climate policies, adaptation strategies and environmental investments.
- Collaborate with the establishment of knowledge networks on disaster risk management and climate change.
- Promote training and educational activities to clients, investors, employees and suppliers on climate change risks and means of reducing natural disasters.



Target range curve



Justification

- Education, awareness and training on climate change are some of the guidelines of the National Policy on Climate Change, which bring to Brazilian legislation obligations provided for in the 2030 Agenda and its Sustainable Development Goals (SDGs).
- As a relevant player and interested in the fight against Climate Change, MRV intends to be a protagonist in the building sector in order to support the achievement of the Brazilian targets for the reduction of greenhouse gas emissions.



Target 13.3



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy

Compliance

- National Policy on Climate Change (Law 12.187/2009, art. 5, item XII)

Actions

Programs

- MRV Integrity Program
- MRV Carbon Management Plan
- Development of the Supply Chain to reduce emissions
- CDP *Supply Chain*

- Training of employees on Climate Change (DDSMA, Corporate TV, Intranet, CDP *Education*)
- Sustainable Dweller Program

Indicators

- Development of the Supply Chain to reduce emissions, and positive *feedback* on the benefits generated.
- Number of employees trained by MRV on Climate Change (DDSMA, Corporate TV, Intranet, CDP *Education*).
- Number of residents covered by the Sustainable Dweller Program (awareness raising for residents).
- Number of newsletters sent with the theme annually
- Monitoring the evolution of suppliers in the CDP *Supply Chain* Program





Target 15.1



Brazilian Target

- 15.1.1br By 2020, conservation shall be ensured through the systems of conservation units provided for in the Law on the National System of Conservation Units (SNUC), and other categories of officially protected areas such as Permanent Preservation Areas (APPs), Legal Reserves (RLs) and indigenous lands with native vegetation, at least 30% of the Amazon, 17% of each of the other terrestrial biomes and 10% of marine and coastal areas, mainly areas of special importance for biodiversity and ecosystem services, and the demarcation, regularization and effective and equitable management, assured and respected.
- 15.1.2br By 2030, ensure the conservation of continental water ecosystems and their biodiversity, and strengthen sustainable fisheries in these environments, eliminating overfishing and illegal, unreported and unregulated (IUU) fishing and eliminating subsidies that contribute to IUU fishing.



Relationship with the MRV business

Value Chain Links

- Land acquisition
- Real estate project
- Construction
- Supply chain mobilization
- Real estate commercialization
- Real estate use and occupation

Related departments

- DI (Real Estate Development)
- Projects
- SSMA (Health, Safety and Environment)
- Sustainability



Target 15.1



Aspects of connection between the MRV Goal and business

- MRV respects Brazilian environmental legislation, including laws related to officially protected area categories (SNUC, APP, RLs).
- The Climate Friendly Program aims to offset MRV's greenhouse gas emissions through the purchase of carbon credits and has as one of its objectives to mitigate climate change and protect ecosystems
- MRV carries out recovery and revitalization actions in the municipalities of its real estates, in the last nine years it has planted more than 1.2 million trees in the cities where it operates.





Target 15.1



2030 MRV vision

- Assess, prevent and reduce negative impacts on soil and areas protected by the legislation.
- Carry out public and private partnerships that promote the preservation of ecosystems, in alignment with the legislation and the SDGs.
- Identify relevant ecosystems and develop strategies and initiatives aimed at integrating measures for maintenance and restoration.

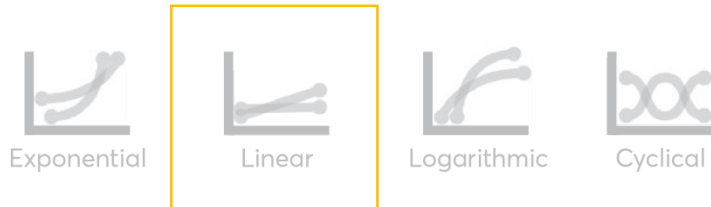


Justification

- Sustainable management is an important strategy for maintaining the benefits offered by ecological services, which include materials for human consumption, aesthetic values and leisure.
- MRV pays attention to the green areas in the Area Directly Affected by the real estates, seeking to reduce to a minimum the risk of damage to these areas.
- The company carries out the planting of trees to compensate for both suppression of vegetation in the construction of the real estate and Greenhouse Gases emissions.



Target range curve





Target 15.1



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy

Commitments

- Global Compact

Compliance

- Law 12.651/2012 (Forest Code)
- Law 9.985/2000 (SNUC)
- Municipal Master Plans

Standard Operating Procedures (SOPs)

- Environmental Feasibility Study
- Greenhouse Gas Emissions Inventory

Seals

- Obra Verde (Green Construction)

Actions

Programs

- MRV Carbon Management Plan
- Offsetting MRV's greenhouse gas emissions
- Recovery and revitalization of surroundings

Indicators

- Percentage of land bank lands with Environmental Feasibility Studies
- Total number of seedlings purchased by the company
- Total number of trees planted by the company
- Observance of the legislation of protected areas to APP's, RLs, control of conditions of environmental licenses and vegetation suppression obtained in the installation phase that require the identification and mapping of species protected by law.



Target 15.2



Brazilian Target

By 2030, eliminate illegal deforestation in all Brazilian biomes, expand the area of forests under sustainable environmental management and recover 12 million hectares of forest and other forms of degraded native vegetation, in all biomes and preferably in Permanent Preservation Areas (APPs) and Legal Reserves (RLs) and, in areas of alternative land use, expand the area of planted forests by 1.4 million hectares.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- () Supply chain mobilization
- () Real estate commercialization
- () Real estate use and occupation

Related departments

- Sustainability
- DI (Real Estate Development)
- Projects
- Production

Aspects of connection between the MRV Goal and business

- Through environmental studies (EIV - Neighborhood Impact Study; RCA / PCA - Environmental Control Report; obtaining the prior license), MRV identifies and establishes control over ecosystems; Biomes, RLs and APPs.
- MRV conducts vulnerability and environmental feasibility studies, which map vulnerable and sensitive areas, to support decision making on whether or not to purchase land.



Target 15.2



2030 MRV vision

- Assess, prevent and reduce negative impacts on soil and areas protected by legislation.
- Carry out public and private partnerships that promote the preservation of ecosystems, in alignment with the legislation and the SDGs.
- Identify relevant ecosystems and develop strategies and initiatives aimed at integrating measures for maintenance and restoration.



Justification

- Sustainable management is an important strategy for the maintenance and continuity of the benefits offered by ecological services, which include materials for human consumption, aesthetic values and leisure.
- MRV is attentive to the green areas in the Area Directly Affected by the real estates, seeking to reduce to a minimum the risk of damage to these areas.
- The company carries out the planting of trees to compensate for both suppression of vegetation in the construction of the real estate and the Greenhouse Gases emissions.



Target range curve





Target 15.2



MRV status in 2019

Enabling factors

Policy

- Sustainability Policy
- Climate Change Policy

Commitments

- Global Compact

Compliance

- Forest Code
- Municipal Environmental Analysis
- CDP *Supply Chain*
- Environmental Licensing

Standard Operating Procedures (SOPs)

- EVA (Environmental Feasibility Study)

Seals

- Obra Verde MRV (Green Construction)

Technologies

- Climates forum

Actions

Programs

- Offsetting emissions through the purchase of carbon credits from REDD+ projects

Indicators

- Percentage of land bank lands with Environmental Feasibility Studies
- Total number of seedlings purchased x total number of trees planted by the monthly company
- Monthly investment in the value of trees planted by the company
- Observance of the legislation of protected areas to APPs, RLs, control of environmental and vegetation suppression license conditions, obtained in the installation phase that require the identification and mapping of species protected by law.
- Annual suppressions carried out with authorizations from existing bodies





Target 16.1



Brazilian Target

Significantly reduce all forms of violence and related mortality rates everywhere, including by reducing by one-third the female homicide and homicide rates of children, teenagers, youth, blacks, indigenous people, women and LGBT people.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- DH (Human Development)

Aspects of connection between the MRV Goal and business

- Companies are being called upon to become more transparent and to operate with respect for the different groups involved in their activities. MRV has initiated a Diversity Program and is structuring an action plan to consider diversity issues in its decisions.





Target 16.1



2030 MRV vision

- Structure the Diversity Program to ensure responsive, inclusive, participatory and representative decision-making at all levels.
- Diversity as a fundamental part of achieving business results and diversity indicators to be considered for strategic decision making.



Justification

- Since the target does not define parameters to be achieved and MRV does not yet have an action plan, a vision of intentions has been developed.



Target range curve





Target 16.1



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Personnel Management Policy

Commitments

- Global Compact
- Ethos Institute
- Corporate Sustainability Index (ISE of B3 – Brazilian Stock Exchange)

Actions

Projects

- Awareness of diversity and inclusion
- Women's Day Celebration
- Sign language course
- Filling the IMGI Graph
- LGBT pride day
- Personnel Management Cycle
- Career Committee

Indicators

- Indicators not available





Target 16.8



Brazilian Target

Expand and strengthen Brazilian participation in global governance institutions.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Risk Management
- Compliance
- Legal

Aspects of connection between the MRV Goal and business

- MRV participates in several debate groups to discuss issues of global relevance, such as Climate Change, Diversity and the fight against corruption. The company seeks to take to the forums its perspective, as a Brazilian company, to contribute to the development and implementation of actions to address these issues.



Target 16.8



2030 MRV vision

- Continue to participate in initiatives that promote ethics and integrity and contribute to the achievement of the SDGs.



Justification

- MRV Engenharia is a reference in Sustainability, this position of excellence is the result of the constant search for good management practices, transparency and corporate governance. The constant improvement and participation in governance institutions are important aspects for MRV, conforming its business to the new international environment.



Target range curve



Exponential



Linear



Logarithmic



Cyclical





Target 16.8



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Sustainability Policy
- Compliance Policy
- Integrity Due Diligence Policy
- Related Party Transaction Policy
- Public Power Relationship Policy
- Anti-Corruption Policy
- Supplier Relationship Policy
- Conflict of Interest Policy



Commitments

- Global Compact
- Corporate Sustainability Index (ISE)
- Novo Mercado (B3 – Brazilian Stock Exchange)
- Afin (Alliance for Integrity)
- Ethos Institute

Compliance

- Anti-Corruption Law 12.846/13.

Technology

- Culture of Integrity (Long Distance Education)



Target 16.8



Actions

Programs

- Integrity Program
- Integrity Due Diligence (IDD)
- Confidential Channel
- CDP Supply Chain

Projects

- Sustainability Report
- Integrity Week
- Training on Prevention of Corruption
- Integrity Pocket Guide

Indicators

- Number of DDI performed.
- Number of consulting compliance analyses.
- Number of institutional letters for insertion of anticorruption clauses and compliance recommendations.
- Number of critical cases reported involving significant risks related to corruption.
- Number of meetings in which the company participated, with the SDG theme







Target 17.9



Brazilian Target

Strengthen international support for the effective and targeted implementation of capacity building in developing countries to support national plans to implement all sustainable development goals, including through North-South, South-South and triangular cooperation



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Sustainability
- Institutional Relations

Aspects of connection between the MRV Goal and business

- MRV participates in several debate groups to discuss issues of global relevance, such as Climate Change, Diversity and the fight against corruption. The company seeks to take to the forums its perspective, as a Brazilian company, to contribute to the development and implementation of actions to address these issues.



Target 17.9



2030 MRV vision

- To be a reference company in the alignment between the business purpose and the Sustainable Development Goals, serving as an example to other companies on how to promote this alignment.



Justification

- MRV Engenharia is a reference in Sustainability, this position of excellence is the result of the constant search for good management practices, transparency and corporate governance. The constant improvement and participation in governance institutions are important aspects for MRV, conforming its business to the new international environment.



Target range curve





Target 17.9



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Sustainability Policy
- Compliance Policy
- Public Power Relationship Policy
- Anti-Corruption Policy
- Supplier Relationship Policy

Commitments

- Global Compact
- Ethos Institute
- Corporate Sustainability Index (ISE)
- Novo Mercado (B3 – Brazilian Stock Exchange)
- Afin (Alliance for Integrity)

Technology

- Culture of Integrity (Distance Education)

Actions

Programs

- CDP Supply Chain
- CDP Education
- Integrity Program
- Development of the Supply Chain to reduce emissions
- MRV Vizinho do Bem (Sustainable Neighborhood)

Projects

- Sustainability Report
- MRV Report for the SDGs

Indicators

- Number of meetings in which the company participated, with the SDG theme
- Access to the SDG MRV Report
- Development of the Supply Chain to reduce emissions, and positive feedback on the benefits generated



Target 17.16



Brazilian Target

Strengthen the global partnership for sustainable development, complemented by multisector partnerships that mobilize and share knowledge, expertise, technology and financial resources, to support the achievement of sustainable development goals in all countries, particularly in developing countries.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Sustainability
- Institutional Relations

Aspects of connection between the MRV Goal and business

- MRV participates in several debate groups to discuss issues of global relevance, such as Climate Change, Diversity and the fight against corruption. The company seeks to take to the forums its perspective, as a Brazilian company, to contribute to the development and implementation of actions to address these issues.



Target 17.16



2030 MRV vision

- To be an active company in its value chain and in forums to exchange experiences and participate in projects to promote the SDGs with other relevant players.

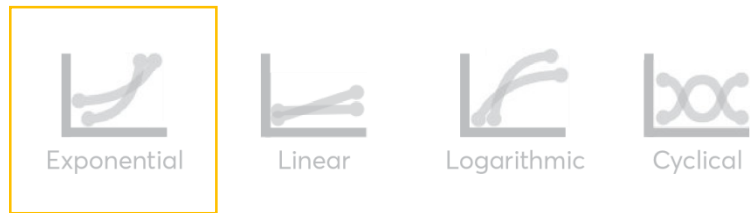


Justification

- MRV Engenharia is a reference in Sustainability, this position of excellence is the result of the constant search for good management practices, transparency and corporate governance.
- The company believes that the achievement of the SDGs will only be possible with the intense exchange of knowledge and the promotion of partnerships, both capable of accelerating and increasing the achievement of results necessary to achieve the SDGs.



Target range curve





Target 17.16



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Sustainability Policy
- Compliance Policy
- Public Power Relationship Policy
- Anti-Corruption Policy
- Supplier Relationship Policy

Commitments

- Global Compact
- Ethos Institute
- Corporate Sustainability Index (ISE)
- Novo Mercado (B3 – Brazilian Stock Exchange)
- Afin (Alliance for Integrity)

Technology

- Culture of Integrity (Distance Education)

Actions

Programs

- CDP Supply Chain
- CDP Education
- Integrity Program
- Development of the Supply Chain to reduce emissions
- MRV Vizinho do Bem (Sustainable Neighborhood)

Projects

- Sustainability Report
- MRV Report for the Sustainable Development Goals

Indicators

- Number of meetings in which the company participated, with the SDG theme
- Access to the SDG MRV Report.
- Development of the Supply Chain to reduce emissions, and positive feedback on the benefits generated.



Target 17.17



Brazilian Target

Encourage and promote effective partnerships in the public, public-private, private and civil society spheres, based on the experience of the strategies for mobilizing the resources of these partnerships.



Relationship with the MRV business

Value Chain Links

- (X) Land acquisition
- (X) Real estate project
- (X) Construction
- (X) Supply chain mobilization
- (X) Real estate commercialization
- (X) Real estate use and occupation

Related departments

- Sustainability
- Institutional Relations

Aspects of connection between the MRV Goal and business

- MRV participates in several debate groups to discuss issues of global relevance, such as Climate Change, Diversity and the fight against corruption. The company seeks to take to the forums its perspective, as a Brazilian company, to contribute to the development and implementation of actions to address these issues.



Target 17.17



2030 MRV vision

- To be an active company in its value chain and in forums to exchange experiences and participate in projects to promote the SDGs with other relevant players.

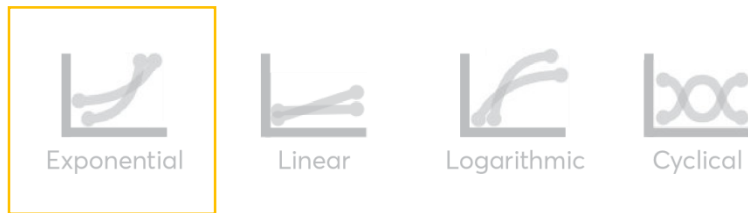


Justification

- MRV Engenharia is a reference in Sustainability, this position of excellence is the result of the constant search for good management practices, transparency and corporate governance.
- The company believes that the achievement of the SDGs will only be possible with intense exchange of knowledge and the promotion of partnerships, both capable of accelerating and increasing the achievement of the results necessary to achieve the SDGs.



Target range curve





Target 17.17



MRV status in 2019

Enabling factors

Codes

- Code of Conduct

Policy

- Sustainability Policy
- Compliance Policy
- Public Power Relationship Policy
- Anti-Corruption Policy
- Supplier Relationship Policy

Commitments

- Global Compact
- Ethos Institute
- Corporate Sustainability Index (ISE)
- Novo Mercado (B3 – Brazilian Stock Exchange)
- Afin (Alliance for Integrity)

Technology

- Culture of Integrity (Distance Education)

Actions

Programs

- CDP Supply Chain
- CDP Education
- Integrity Program
- Development of the Supply Chain to reduce emissions

Projects

- Sustainability Report
- MRV Report for the Sustainable Development Goals

Indicators

- Number of meetings in which the company participated, with the SDG theme
- Access to the SDG MRV Report
- Development of the Supply Chain to reduce emissions, and positive feedback on the benefits generated



MRV

Institute



Presentation

MRV Institute is a non-profit organization, with its own governance, maintained exclusively with MRV resources for the promotion of social transformation through education.

Annually, 1% of MRV's net profit is transferred to the Institute and converted into projects, programs and partnerships, managed with the company's standards of transparency, effectiveness and efficiency, seeking to generate the greatest positive impact for the served population.



Mission

To achieve positive and lasting transformations in society, contributing to a better future for the communities where we operate.

Vision

Promote the social transformation of our country through education, the main foundation for the development of a nation, preparing citizens for life and training the achievers of the future.



Institute's Activities

The MRV Institute has three operation pillars:

Educate to transform

Selection and development of transforming social projects in the area of education. Two editions of the program were held in 2018. The theme of the 3rd edition was "*Education for Transformation with a focus on Sustainable Development*". In it, each of the four selected projects received R\$80,000. The 4th edition of the program, with the theme "*Resolution of local problems through education*," eight projects were selected and received a contribution of R\$ 30,000 each.

Your child, our future

Donation of educational materials and books for the children of MRV Group employees. The program promotes the provision of school supplies to children and teenagers between the ages of 6 and 14 and the *Kit Leiturinha* for children of to 5 years old, encouraging the habit of reading.

MRV volunteers

The internal volunteer program supports actions to promote education. Between 2015 and 2018, approximately 2,000 MRV employees dedicated 9,700 hours to volunteer activities. The 267 actions, were carried out in 82 cities, benefiting 133 institutions.

In total, between 2015 and 2018 the **MRV Institute** invested R\$15.5 million in programs, projects and partnerships, which directly benefited 108,645 people, and 325,935 indirectly.



MRV Institute and the SDGs

The diagnosis of MRV's relationship with the SDGs, carried out in 2018, also included the MRV Institute and indicated a strong relationship with SDG 4 (Quality Education) and weak relationship with other 8 Goals. The area of each icon represents the intensity of alignment between it and the activities of the organization.





In this year's mapping, it was observed that the MRV Institute has not only a strong relationship with SDG 4, but it is the only player involved with four of its targets within MRV. They are:

TARGET 4.1

By 2030, ensure that all girls and boys' complete primary and secondary education that is equitable, of good quality at the appropriate age, ensure free provision in the public network, and lead to satisfactory and relevant learning results.

TARGET 4.2

By 2030, ensure comprehensive early childhood development, access to quality childcare and education for all girls and boys, so that they are prepared for primary school.

TARGET 4.6

By 2030, ensure that all youngsters and adults are literate, having acquired basic knowledge in reading, writing and mathematics.

TARGET 4.7

By 2030, ensure that all students acquire the knowledge and skills necessary to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship, and appreciation of cultural diversity and the contribution of culture to sustainable development.



The MRV Institute thus has the important role of contributing to the achievement of extremely important goals for Brazil, in themes disconnected from MRV's business. By doing so, the Institute helps to expand the company's capacity to act in favor of Sustainable Development, and in the effective search for compliance with the 2030 Agenda in Brazil.



Theory of Change: establishing a link between actions and long-term impacts

MRV Vizinho do Bem Program



MRV Vizinho do Bem is a relationship and community development program that proposes a new approach to guide the interaction with the communities neighboring the company's construction sites. The relationship is guided by constant dialogue with the community, articulation of spaces for social interaction and implementation of social and environmental actions.

The Community Relationship allows MRV to direct its investment to the demands of the real estates in line with the demands of the neighboring communities, which enables a structured and strategic corporate action in the territories where it operates. Approximation to the community also results in:

- company's brand and reputation strengthening with the neighbors of construction sites and other players;
- development of coordinated work between various corporate departments;
- alignment with the main requirements of social responsibility and sustainability;
- creation of a channel for direct dialogue with surrounding communities;

- prevention, treatment or mitigation of conflicts, minimizing possible losses in productivity and supporting real estates' sustainability.

The Program's first experiment was held in the state of Rio de Janeiro, in the municipality of São Gonçalo, in partnership with the Social Service of Rio de Janeiro's Construction Industry (Seconci-Rio). The positive results of this experience led to the expansion of the Program to other cities in the state and to the city of Campinas. MRV is currently expanding the Program to other construction sites and municipalities.

The MRV Vizinho do Bem Program focuses on the promotion of sustainable communities, emphasizing the strengthening of local capacities and the articulation of spaces for social interaction and dialogue for the construction of a common purpose between the real estate and its neighborhood. The program has three phases:

1. **Knowing** – Social Diagnosis

2. **Involving** – Feedback and Social Action

3. **Acting** – Action Plan

The first phase aims to get to know the community focus of the social investments, as well as to establish the necessary link for the dialogue to flow in a clear and transparent manner. Thus, the activities proposed in this phase aim to obtain information that will enable the community to be portrayed, which will benefit from the community relationship actions. From the proposed mapping it is possible to elaborate a regional social cartography, pointing out its potentialities, weaknesses and needs. Such mapping will be the basis for the Action Plan to be implemented or strengthened (if any activity that can be enhanced is under way) and is the result of a broad and participatory community consultation.





Once the results of the first phase are systematized, the activities aimed at the effective involvement of the population in the formulation and implementation of the Action Plan are started. The second phase (Involving) encompasses the following activities:

1. **Feedback to the community:** means that the data collected in the previous phase will be presented to the community, when they will be confirmed and validated by the population. The moment of feedback is characterized as a framework for articulation, which also serves as a moment to reinforce the relationship and a trigger to deepening the dialogue for the Action Plan's preparation.

2. **Social Action:** preferably to be carried out in a location close to the local community and that is recognized by its population.

Citizenship actions that offer health, leisure and cultural activities and the possibility of registering for professional training, in addition to moving the community around, with view to approaching and strengthening the bond between the parties involved. This action can be considered a milestone in the implementation of actions focused on community relations in the territory in which the real estate project is located.

The third phase (Acting) refers to the Action Plan implementation, which indicates the interventions to be carried out in the territory. They are basically related to six axes of action:

Strengthening small businesses and productive groups

Existing economic activities in the territory are enhanced by means of courses in micro-entrepreneurship.



Technical and professional training

Courses to qualify local labor force for insertion in the civil construction labor market.

Citizenship and social actions

Actions that offer a wide variety of services to the community: access to health exams, promotion of education classes, documents issuance, among others. Monthly meetings are also held with the various leaders to exchange experiences, engage and empower community action.

Education for sustainability

Activities aimed at preserving the environment, sustainability awareness and concepts of smart cities.

Strengthening of social organizations

An action that takes place through the launching of regional/local calls for proposals to support projects and ideas aimed at the social development of the community. The registered projects are voted and prioritized by the community, so the investments direction are decided in conjunction with the population that will be benefited. In addition to financial support, training workshops are offered in management and fundraising, to ensure the project's sustainability after the call for tenders has been appealed.

Development of new opportunities

Actions that refer to partnerships that can be established throughout the implementation of the project may also include solutions to demands that arise from listening to the population in the established communication channels.

Theory of Change: establishing a link between actions and long-term impacts

Explaining the program's contribution to the SDGs



The activities of the MRV Vizinho do Bem Program have the potential to generate long-term impacts adhering to many SDGs. Achieving these goals by 2030 requires that the interventions undertaken produce short- and medium-term results that support the generation of long-term impacts.

Based on dialogues with various representatives of the program's stakeholders, the MRV Vizinho do Bem's Theory of Change was created. It allows the observation of how the activities are converted into social, environmental and economic impacts in the short, medium and long term. Once the causal links of the impact are explained, it is possible to organize a management system for the Program, capable of monitoring performance and verifying its effectiveness in the pursuit of the SDGs.

The analysis of the Good Neighbor Theory of Change shows us how it serves the different target audiences, generating products that impact the local economy (through the professional qualification of residents, for example), society (through open calls for NGOs, for example) and even the environment (with the recovery of squares and green areas, for example).



The sum of these products over time generates results linked to the improvement of the community, the relationship between the population of the neighborhood, MRV's team and residents of the new real estates. Direct economic gains are also expected for residents, through the appreciation of real estate in the region and the emergence of new opportunities for income generation, with the strengthening of local businesses and greater training of the population.

In order to make the connection between the medium-term results and impacts of the Program, it is fundamental to rescue the approach of the MRV 2030 Vision. The Good Neighbor Program generates results that are associated to 10 SDGs. But it is not enough that MRV knows only that connection. It needs to understand the participation she wants and wants to have in each SDG and what contribution the Good Neighbor Program can make to it.

Let us look, for example, at target 8.3, linked to SDG 8 and one of the 27 prioritized by MRV. In its Brazilian version, the goal is understood as: "**Promote development with the generation of decent work; formalization; the growth of small businesses, small and medium companies; entrepreneurship and innovation**

The MRV 2030 Vision will establish the company's desired outcome for this goal. With this objective in mind, the teams involved with the MRV Good Neighbor Program will be able to assess whether the various professional qualification and support actions for local companies contribute sufficiently to achieve this goal. This clarity will allow professionals to plan actions and target audiences in order to achieve the SDGs.

MRV Vizinho do Bem Program

Resources

Partnerships with commercially aligned suppliers and consultants
Entity or consultancy to carry out the management and implementation of the Program
Physical space for attendance and performance of the activities
Dissemination/communication materials
Technical team: supervision, service team, instructors and social mobilizer
Own resource of engineering
MRV Partner Resource
Material and didactic resources for activities
Telephone line to contact the community

Public

Neighbors of MRV's Real Estate (commerce, NGOs, community associations, public facilities and residents)
Social players in the community
Neighboring Community Residents
New Residents of MRV's developments

MRV Vizinho do Bem Program

Activities

Socioeconomic mapping/diagnosis

Return meetings

Holding of Goodness Day and social actions

Implementation of the Action Plan with the axes:

1. Strengthening small businesses
2. Technical and professional training (including Grade A School)
3. Citizenship and social actions
4. Development of new opportunities
5. Strengthening of social organizations
6. Education for Sustainability

Periodic meetings with local leaders

Shifts of attendance

Articulation with technical partners

Articulation with financial partners

MRV Vizinho do Bem Program

Product

Social Cartography

Action Plan by territory

Strengthened small businesses with greater capacity to generate income

Persons qualified to conduct activities in civil construction

Social projects financially supported and trained to maintain community development activities

Opportunities generated for inclusion in the labor market

MRV's project neighbors informed about the construction progress

MRV's neighbors served promptly to solve their needs

Technical partners engaged to contribute to interventions in the communities served

Business partners mobilized to contribute with social responsibility actions

MRV Vizinho do Bem Program

Results

Improvement of MRV's relationship with the neighbors of its Real Estates

MRV image enhancement

Appreciation of MRV Real Estates

Healthy relationship of the construction team with the neighbors of the developments

Conflict prevention and resolution with dialogue

The neighbors of the real estates have access to sports, educational, cultural and socio-environmental projects

Technical and commercial partners work together and in synergy to promote social transformation in the communities served

MRV is recognized as a citizen company by its neighbors

Transformation of the construction industry's view of the importance of social responsibility allied to business

Neighbors of the real estates inserted in the labor market

Income generation opportunities

Impacts





Theory of Change: establishing a link between actions and long-term results

MRV Solar Power Plant

MRV is the first construction company in Latin America to produce projects in the economic segment with large-scale photovoltaic solar energy system. It confirms MRV's commitment to creating innovative solutions that contribute to sustainable development.

The buildings have photovoltaic systems capable of producing electricity to be used by the condominium. Photovoltaic modules are installed on the roofs of the towers and blocks of the real estates, converting solar energy into electricity.

The electricity generated is used in the common areas of the condominium and, in some specific projects, also in the apartments. When the amount generated is greater than the amount consumed, the energy is injected into the local utility's distribution network and converted into energy credits, which can be used within 60 months. The credits are used on the condo's monthly energy bill.



This system has positive gains both for residents and the environment, as well as it is a clean energy generation source, it also makes possible financial savings for the condominiums, which can create a reserve fund for reinvestments in improvements in the project itself. Furthermore it brings residents closer to sustainable technologies, demonstrating their benefits and helping to build a culture of sustainability.

MRV has committed to launching 100% of its enterprises with clean energy supply by the year 2022. This initiative is a significant contribution to the diversification of the Brazilian energy matrix. Thereby the company contributes to the Nationally Determined Contribution of the Paris Agreement to expand the use of renewable sources in addition to hydropower in the Brazilian energy matrix to a 28% to 33% stake by 2030 and sends signals to the government of support for sustainability and climate policies to fight climate change.



Theory of Change: **establishing a link between actions and long-term results**

Explaining the program's contribution to the SDGs

The MRV Photovoltaic Solar Power Program Theory of Change establishes the relationship between program efforts and short-, medium- and long-run results produced directly or indirectly. So with MRV Solar Power Plants Program Matrix, we associate long-term impacts with the SDGs and their goals.

As a direct product, the Program generates clean energy for the residents of MRV's projects. In the medium run, it is expected that these residents will benefit from the appreciation of their real estate, and the company will experience gains in reputation and brand appreciation and that there will be a growing share of clean energy sources in the Brazilian electricity matrix.

These results collaborate with several SDGs, as they increase the supply of clean energy (SDG 7), create sustainable infrastructure in cities (SDG 9 and 11) and assist in fighting climate change (SDG 13).

Again, MRV Vision 2030 is critical for clarity about the program's contribution to effective company collaboration for the SDGs.

MRV Photovoltaic Solar Power Plant Program

Resources

Financial investment for purchasing technology and services;
Technical team, to assess the feasibility and implementation of projects.

Public

External:
Owners and dwellers of the real estates.

Internal:
MRV stores, offices and stores

MRV Photovoltaic Solar Power Plant Program

Activities

Analyses:

Sizing

Viability:

Implementation of projects.

Hiring/Services

Suppliers, operation and maintenance.

Installation of photovoltaic plants.

Connection of the photovoltaic system of the real estate to the local network.

Measurement of energy production.

Awareness campaigns on the use of clean energy.

MRV Photovoltaic Solar Power Plant Program

Product

Developments with photovoltaic energy system installed
Clean power generation.
Financial savings for the owners of the real estates.
Improvements in real estate infrastructure
Savings on electricity converted into a reserve for condominiums.
Awareness of MRV project dwellers and employees about the use of clean energy

Results

Market differentiation for MRV
Appreciation of the MRV brand
Real estate appreciation
Diversification of the Brazilian energy matrix
Reduction of energy consumption from conventional sources

Impacts



