

07

CSR



Facing up to challenges with maturity

The Group is actively developing its CSR in all of the areas in which it operates

The global situation and complexity in which Isolux Corsán operates produces very specific challenges for the management of the Group's Corporate Social Responsibility. The company's work ethic is committed to the environment where it undertakes its economic, social and environmental activities. During 2014, the coordination of the application of the international standards upon which Isolux Corsán's CSR is based was car-

ried out thoroughly, also taking into account the peculiarities of the countries where it operates. As has been happening for many years, the auditing systems used face up to the difficulties associated with the diversity in the standards managed by an international Group such as Isolux Corsán. Likewise, the commitment by the members of the company's human team is fundamental for continuing to make progress in CSR issues.



The company's work ethic is firmly committed to undertaking its economic, social and environmental activities

A Global Compact

The commitment to Fundamental Rights has no barriers

The extent of the Group's involvement with regard to its employees is 100%. The company develops its corporate culture by taking into account the people who form part of it, both at home and abroad. Likewise, Isolux Corsán has a firm commitment to the local places where it operates and pays particular interest to defending the fundamental rights featured in the United Nations Global Compact.

For the fourth year running, Isolux Corsán has ratified the commitment to the Ten Principles of the United Nations Global Compact. The company's global vocation has been behind increased sensitivity y the

company with regard to the local features found where it operates. As part of its internationalisation strategy which started more than a decade ago, Isolux Corsán also endeavours to involve its suppliers in complying with the Principles of Human Rights. In this sense, the corporate Management Systems for Quality, the Environment and Health and Safety continue to be consolidated as efficient tools for involving local workers and suppliers in every country in the adoption of prevention measures in occupational health and safety, prevention and the reduction of pollution as well as collaboration with the communities where we are located. The Compact, signed between the United Nations and Isolux Corsán, is embodied by working on a daily basis on the commitment to, respect for and the dissemination of the following ten principles and effective compliance therewith. These ten principles constitute the greatest voluntary initiative for corporate social responsibility in the world. Its network is present in more than 130 countries and has 10,000 signatory entities.



For four years running, Isolux Corsán has fulfilled its commitment to the ten principles of the United Nations Global Compact.

The Compact Principles

- Businesses should support and respect the protection of internationally proclaimed human rights within their area of influence.
- Businesses must ensure that they are not complicit in human rights abuses.
- Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining.
- Businesses should support the elimination of all forms of forced and compulsory labour.
- Businesses should support the effective abolition of child labour.
- Businesses should support the elimination of discrimination in respect of employment and occupation.
- Businesses should keep a preventive approach which favours the Environment.
- Businesses should undertake initiatives to promote greater environmental responsibility.
- Businesses should encourage the development and diffusion of environmentally-friendly technologies.
- Businesses should work against corruption in all its forms, including extortion and bribery.

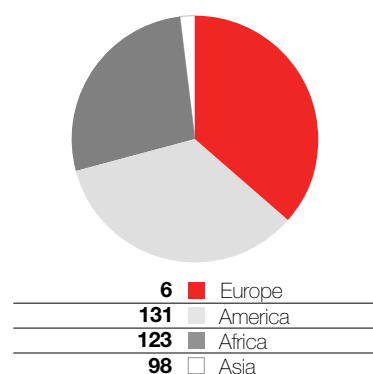
The challenge of managing employees abroad in our internationalisation

Geographical mobility has increased by 35%

The increasing role abroad and global expansion by Isolux Corsán has forced the company to overcome considerable challenges in Human Resources management. One of the main challenges to be overcome is the geographical mobility of its staff on an international level.

In 2014, the management of staff abroad, key people in the organisation, rose by 35 %. As part of its expansion policy, during 2014 Isolux Corsán expanded its action to coun-

■ Employees working abroad in 2014



The Company is present in more than forty countries on four continents

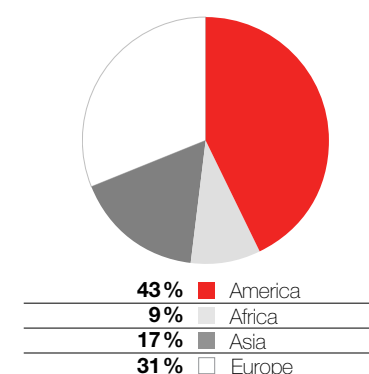
tries such as Slovakia, the United Kingdom, Rwanda, Senegal, Tunisia, Oman or Kuwait. With these new countries, and thanks to its projects, the company is already present in more than 40 countries on four continents.

An essential aspect, and the one which gives most value to the internationalisation process of people, was the development of a uniform, suitable and correct expatriation policy. This is an overall plan which includes the basic global action parameters and enables assessing, in the most ample sense of the word, the meaning of international mobility. At the same time, the weight of the

Group's international business and its evolution means that the distribution of human assets has changed with regard to 2013. Africa and Asia are the continents where substantial growth has taken place. As such, the distribution of staff is as shown in the chart enclosed.

The growth in the company's human assets has occurred by virtue of the company's ethics, with the focus on establishing and implementing diversity and integrity criteria. An example of this is the increase in the recruitment percentage of women compared to men. Overall, more than 75% are employees with permanent contracts.

■ Distribution of staff abroad





Development of a professional career in ISOLUX with Talent Train

Isolux Corsán wants to ensure it has the best personnel, the best qualified and highly motivated for developing their career in the Group. To this end, throughout 2014 the Human Resources Department developed the Talent Train programme directed at recent graduates in Economics and Business Studies with high potential and an excellent level of English and other languages. The objective of the programme was to give young people the opportunity to further their Isolux Isolux Corsán wants to ensure it has the best personnel, the best qualified and highly motivated for developing their career in the Group. To this end, throughout 2014 the Human Resources Department developed the Talent Train programme directed at recent graduates in Economics and Business Studies

with high potential and an excellent level of English and other languages. The objective of the programme was to give young people the opportunity to further their professional career in our company, acquiring a cross-cutting view of it and applying the knowledge and skills developed in an international project. After a demanding selection process in which more than 100 people participated, the professionals who formed part of the programme developed critical, functional skills for business. In the same way, they internalised corporate values and learned how a complex and demanding business, such as that of Isolux Corsán, operates. During a first phase, lasting one year, the professionals selected were immersed in a training programme under the supervision of tutors who

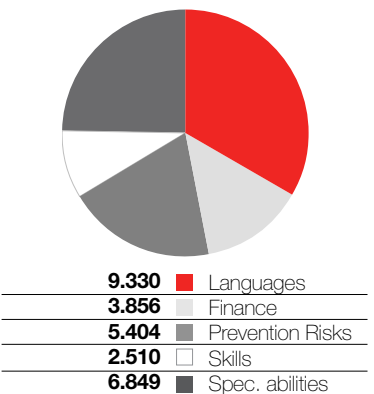
guided them and assessed their performance on a periodic basis. During this first phase, they gained experience in areas such as Management Control, Corporate Administration, Finance, Cost Control, Internal Auditing and Site/Project Administration. In all of these areas, these young people had to make value contributions in order to continue to be part of the programme. As such, they internalised the company's key procedures and processes and developed their abilities and skills. Once the learning period had come to an end, all those who had completed it successfully, which in this first programme were 70% of the participants, gained an employment position in the structure of countries such as Tunisia, Angola, India, Bangladesh, Brazil or Spain.

Training directed at the development of skills

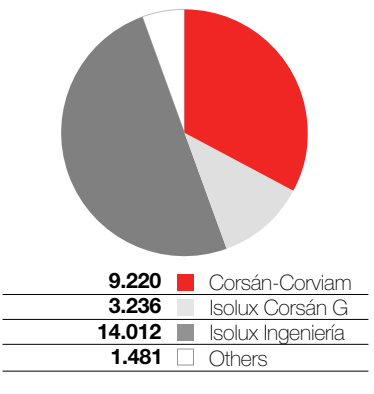
During 2014, a training plan was developed which aimed to take a step forward in relation to contents and modalities. With regard to contents, an endeavour was made to provide a solution to all existing requirements derived from, in many cases, the company's international business reality. Along these lines, a variety of training activities were undertaken and an attempt was made to standardise management practices. As such, during 2014, training was essentially given on five categories of contents. Compared to 2013, the increase in the hours allocated to training on skills (negotiation, leadership, teamwork, decision-making and problem solving) and finance (with training directed at compliance with international standards, as well as the generation of a financial optimisation culture) was particularly significant. Likewise, the company's sound international presence essentially

consolidated language training. As such, training activities on the prevention of occupational risks are also essential as the result of consolidating new topics and technical approaches after recent financial years during which a strategic plan was pursued with exhaustive information on occupational risks. On a modalities level, Isolux Corsán increased the number of training hours given via online platforms. The decentralisation of human assets as occurs in the company produces a change in trend. In 2014, online training accounted for 32.4% of the total training hours given. This course format enables standardising the content in such a way that exactly the same information is conveyed even if the participants are located in different places. It also enables great flexibility when structuring the time spent by staff on training and enables including the maximum number of people regardless of their circumstances.

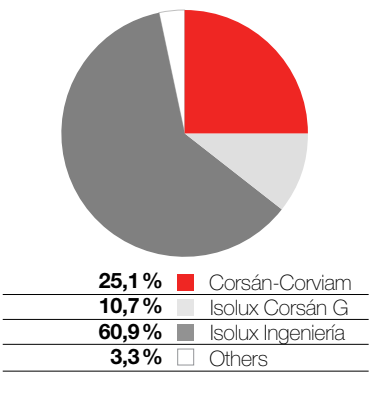
■ Hours of training



■ Hours of training per company



■ % of participation per company



Continuous improvement of the Employee's Portal

The company is introducing new process applications and tools

Our ambition to improve forces us to constantly introduce new functions and applications in our processes and tools. One of the improvements introduced in 2014 was related to the employee's portal, dedicated to boosting the management of internal talent. Apart from offering useful information on our culture, values, procedures and commitments, as well as good practices with regard

to Human Resources policies which have gradually been implemented, the Intranet, via the employee's portal, allows creating and managing the CVs of every single person in the company. Similarly, the Intranet also provides access to the results of the last performance assessment carried out, the payroll and other information regarding people management.



Compensation and benefits schemes: Flexiplan

Over the course of 2014, work continued in order to offer increasingly sophisticated and modern compensation and benefits schemes based on flexible systems which enable enjoying tax advantages.



*The Group continues
offering benefits schemes
to its employees*

A clear commitment to the prevention of occupational risks

The Isolux Corsán Group's continued endeavour to offer the best training on Health and Safety to its employees continues on the right track. In the area of the prevention of occupational risks, the company is showing a clear upward trend regarding the actions undertaken with its workers. Management indicators show a good level of integration for prevention in the company's general management system, both as a group of activities and on the different hierarchical levels in the company using the implementation and application of the Management System for the

Prevention of Occupational Risks, based on the international OHSAS 18001:2007 standard. This integration is clear to see in the following areas: fewer accidents, more training actions both for company staff and subcontractor staff, improved communication between the company and its subcontractors, increase in ergonomic and hygienic studies, higher number of awareness actions etc. As such, it is worth highlighting the effort and dedication by the Isolux Corsan Group in order to maintain the different



The company is showing a clear upward trend with regard to the actions carried out with its workers in the prevention of occupational risks



■ Indicators 2011 - 2014

Indicators	2011	2012	2013	2014
Training activities	1.508	4.317	3.153	8283
Hours of training activities	12.054	14.847	38.373	23.823
Trained workers	10.858	43.606	35.621	63.368
Drafted or revised safety plans	1.518	1.246	1.049	1.442
Business activity coordination meetings	604	689	476	1.369
Internal audits	600	624	604	434
Health and safety follow-up inspections	2.917	3.217	1.960	2.030
Ergonomic studies / hygienic assessments	6	23	20	40
Emergency plans	23	34	41	65
Awareness actions	5.370	19.478	19.534	33.893

■ Accident rates 2011 - 2014

Contents	2011	2012	2013	2014
Total accidents	268	317	328	142
Incident rate (No. of accidents / No. workers) x 10 ³	36,96	35,07	41,24	23,11
Frequency rate (No. accidents / hours worked) x 10 ⁶	15,78	16,24	19,09	11,67
Severity rate (days off work / hours worked) x 10 ³	0,33	0,23	0,32	0,24



The value chain, key for sustainability

The value chain, which conveys social and environmental performance, is underpinned by Isolux Corsán's staff. Clients and suppliers also provide the company with sustainability.



Communication is a fundamental asset for improving competitiveness

Communicative transparency

Isolux Corsán treats communication as a fundamental asset in order to improve its competitive capacities. For a global company, transparency and commitment is absolutely essential with regard to the information conveyed to its stakeholders.

In 2014, the company rigorously disclosed its challenges and projects. A total of 975 pieces of information were counted in the media. Of all of

these, 13% were published in the international media, whilst 87% were published in Spain. Isolux Corsán, as a global company, is aware of the importance of internal communication. To this end, the intention is to use the Intranet to inform employees of the latest company news, as well as enabling synergies to be established amongst all the staff. The Intranet, subject to constant improvement and

updating, represents a venue for all the Group's employees, regardless of the country they are in. During 2014, new collaborative spaces such as forums, wikis and blogs, were gradually developed so that workers can share their knowledge. The geographical scope over which Isolux Corsán works has been simplified with all of these 2.0 tools with which the Group provides its staff.

We think of the benefit for the client

The commitment to improve is always focused on satisfying the client's needs. Direct contact with the client is one of the company's outstanding features. The follow-up, carried out by the Commercial and Production Divisions, gives priority to customer satisfaction and strengthens those areas in which improvement requirements are identified.

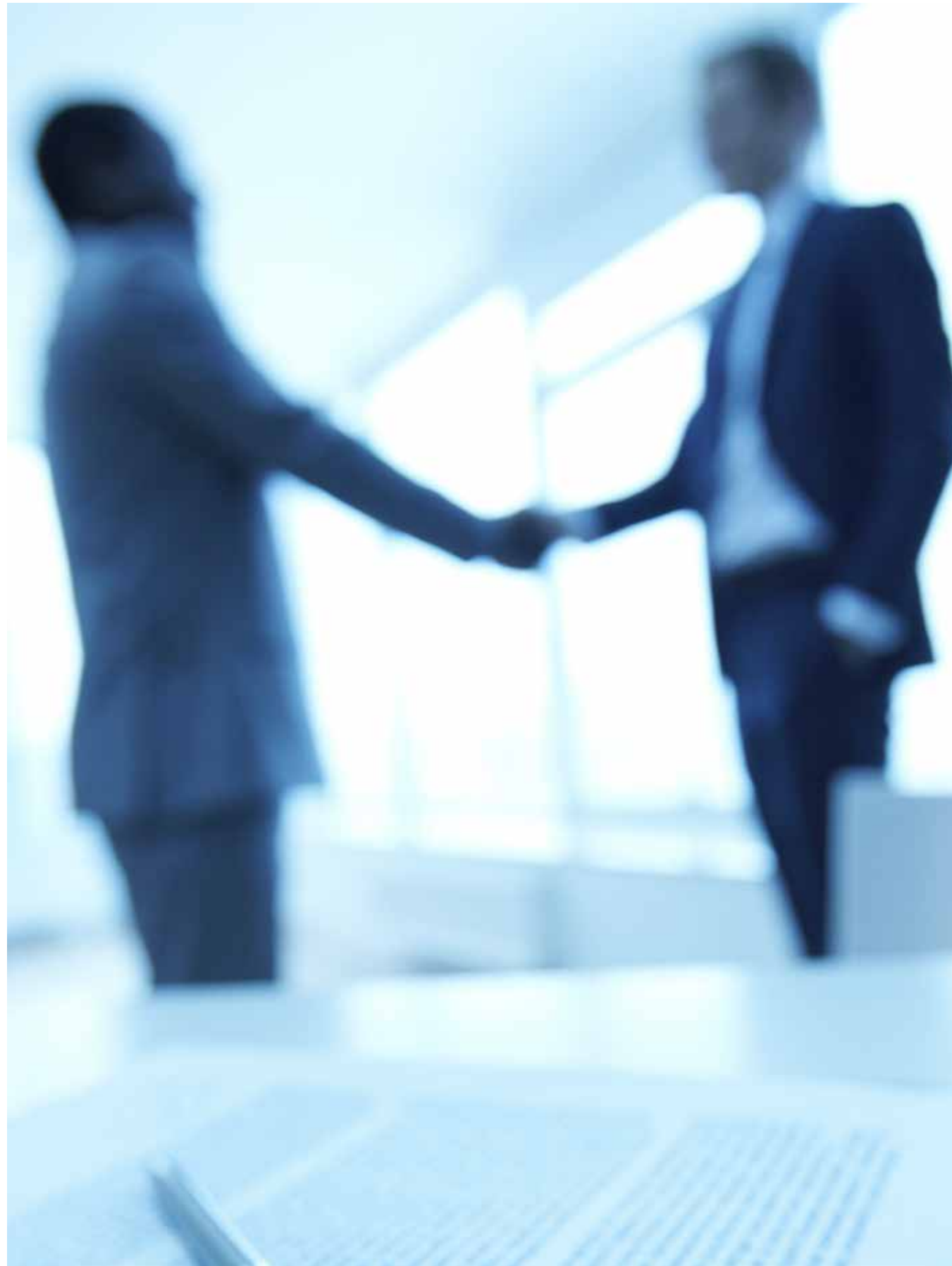
For a good relationship with clients, Isolux Corsán performs satisfaction surveys. In these, the client assesses, amongst other aspects, the quality of the documentation, the execution of the project, the completion dates, compliance with environmental requirements and the prevention of occupational risks. Their answers and suggestions help the company to improve and excel itself day after day. By using the Quality and Environment Management computing tool, we see a constant improvement in customer satisfaction in each financial year.

■ Customer satisfaction

Year	Mark / 100
2010	79,57
2011	81,67
2012	82,13
2013	82,19
2014	82,49



*The company continues
with an upward trend in
customer satisfaction*



The Purchasing Department, decisive for business development

The Purchasing Department at Isolux Corsán should be yet another business development instrument, as well as a risk control tool.

In line with the operational efficiency that we maintain in our projects, and as a continuation of the global policy for preferred suppliers launched in 2013, this path continued to be followed in 2014. We were able to combine efficiency with local market knowledge and value creation in the countries where we operated. This increased efficiency in the management of suppliers was fundamental for the improvement in operations in our projects and sites.

The management of suppliers allowed greater agility in work teams, promoting, moreover, teamwork, communication and transparency. In 2014, we faced up to new chal-

lenges in our relationships with suppliers, fundamentally in key aspects such as financing, opportunities and the control of risks. Anticipation is viewed as a fundamental aspect in project management and in relationships with suppliers. This subject will continue to be essential over the years to come. Maintaining and developing a portfolio of preferred suppliers is of no use without the possibility of anticipating future requirements for projects and operations. With regard to 2015, the management of purchasing and suppliers has the fundamental objective of becoming a tool for cost reduction, increased competitiveness, and rigour for the Isolux Corsán supply chain in each and every one of the projects undertaken by the company.



*Increased efficiency in the
management of suppliers
was fundamental for the
improvement in operations*

Quality management, the benchmark of our endeavour

Guaranteed quality is present in all of our projects. To underpin this principle, Isolux Corsán has incorporated Quality Management Systems in all of its activities and in all the countries where it operates.



Quality Management Systems have been implemented in all the activities and countries where the company operates



Excellence as the company's flagship

Growth and competitiveness in all business areas are closely tied to the level of customer satisfaction with our products and services. Isolux Corsán is aware of this and, as such, the Quality Corporate Policy sets forth the following commitments.

Our commitments

- The implementation and development of Quality Management Systems suited to the organisation and in accordance with internationally established principles. The adoption of measures which enable continuous improvement in the efficacy of the implemented systems.
- Compliance with the requirements applicable to the products and services supplied whilst always taking into account mandatory standards and specifications stipulated by the clients for whom these are carried out.
- Optimisation of the management of the working processes and methodologies, information, supplies, resources and capacities, and of internal or external relations implicated in the implementation of the activities.
- Control in meeting objectives consistent with this policy and in accordance with the organisation's capacities. These objectives contribute to improving the quality of our products and services and the efficiency of the quality management system.
- Periodic review of this policy in order to ensure that it is in line with the Management's vision and strategic objectives, and with the requirements detected at any time within the environment of the social environment and inherent in the business activities.
- Company management ensures the implementation of the necessary measures in order to guarantee knowledge of the Quality Policy, as well as its implementation throughout the entire organisation.

Internal Audits

As part of its objective of constant improvement, Isolux Corsán considers the review and measurement of all its activities as vital. That is why the company monitors all of these. For this task, internal audits represent the best tool for measuring the progress of the company's activities.

Management systems in all projects

In the countries where Isolux Corsán has operated longest there is a Corporate Department for Quality, Health and Safety and the Environment. The consolidation of this Department in 2014 is an example for those countries where the company has started to work.

This Department is responsible for the adaptation, implementation and consolidation of the management system according to the ISO 9001, ISO 14001 and OHSAS 18001 standards. As such, in new countries QHSE systems and policies have been implemented with the support of professional technicians from the actual project. The training of the technicians is led by the Corporate Department for Quality, Health and Safety and the Environment from the company's Headquarters. It is there where all the information from international and national projects is centralised and analysed. Amongst its tasks is the consolidation of the accident indicators, the management of internal audits, etc. The indicators, reflected by the scorecards enable Isolux Corsán to detect prog-

ress, ascertain requirements and to implement preventive and corrective actions in order to work on the constant improvement of the management systems.

The task of monitoring these systems is performed by site visits, internal audits, informative/training campaigns, periodic meetings, reports, scorecards etc, always taking into account the main values of the policies for Quality, the Environment and Health and Safety.

Quality, Environment and Health and Safety Values

- Legal compliance
- Integrity and transparency
- Efficacy and efficiency
- Safe working environments
- Commitment to quality and customer satisfaction
- Prevention of pollution



Management systems are compared on an annual basis by independent certification bodies

In accordance with international standards

ISO 9001 (Quality) and ISO 14001 (Environment)

Isolux Corsán implements all its Management Systems according to the international standards ISO 9001 and ISO 14001. These are compared by independent certification bodies who review the company's Management Systems annually and verify that they are implemented in accordance with international standards.

EMAS Register

Emesa, the factory for metal processing, has managed to obtain the environmental certification according to the EMAS Regulation. This standard, which is applied on a voluntary basis in the EU, acknowledges the implementation by the company of the Environmental Management System and that it has acquired a commitment to improvement. Emesa makes a periodic environmental statement which confirms the sound undertaking by factories in support of environmental sustainability through the control of the impact of all activities and processes related with their production lines.

OHSAS 18001:2007 | Health and Safety

External auditing processes allow us to promote the continuous improvement of our Management System. As a result of this, the certification of different companies in the Group is encouraged according to the specification OHSAS 18001:2007. Throughout 2014, the certified companies in the Group were subjected to the corresponding periodic audits, both internal and control, or recertification by independent certification bodies with internationally renowned prestige.

Milestones in certifications in 2014

The most remarkable milestones in the certifications of management systems during the financial year 2014 were:

- Isolux Corsán Argentina. It passed its follow-up audits in the Energy and T&D Division, expanding the scope in 2014 to the maintenance and operation of wind farms according to the three standards ISO 9001, ISO 14001 and OHSAS 18001.
- Isolux Corsán Mexico. It passed its follow-up audits in the Division of Construction and T&D by ex-

panding the scope in 2014 to the design and execution of dams and hydraulic works based on the three standards ISO 9001, ISO 14001 and OHSAS 18001.

- Isolux Corsán India. It passed its follow-up audits in the Divisions of Construction, Transmission Lines and Substations, extending its scope to the Division of Facilities based on the three standards ISO 9001, ISO 14001 and OHSAS 18001
- TECNA. The company passed its follow-up audits for the ISO 9001, ISO 14001 and OHSAS 18001 certificates, for the countries, Argentina, Spain, Ecuador, Bolivia, Peru and Brazil.
- Concessions. The Concessions Division successfully completed its first follow-up audit according to the three standards ISO 9001, ISO 14001 and OHSAS 18001, for its activities in car park operation.
- In Spain, follow-up and renewal audits were successfully performed according to the Divisions of Construction, Engineering and Corporate Services according to the standards ISO 9001, ISO 14001 and OHSAS 18001.



Responsible for our social activity

The Group does its best to provide the greatest social and economic benefits in the areas where it operates

Year after year Isolux Corsán shows its involvement with the area in which it operates, particularly in those countries and communities with greater social and economic requirements.

The Group endeavours to provide the maximum social and economic

benefits for the local areas in which it executes its projects.

Isolux Corsán undertakes its activities with an increasing vocation to sustainability and commitment to its suppliers and employees. The company, aware of the economy of scale entailed by its projects, is very

clear in its commitment to the communities with regard to the creation of employment.

Likewise, Isolux Corsán actively participates in educational and training activities and contributes to improving the quality of life of the local population.

■ Armenia

Isolux Corsán proactively collaborates in this country by performing several actions. One of the most important projects in which the Group has participated is the "SunChild" campaign created by the Foundation for the Conservation of Biodiversity and Cultural Values. The intention with this programme is to educate new generations on the awareness of environmental values. There are currently nine SunChild Eco-clubs, one in each region of Armenia and approximately 600 children are registered on the environmental education courses given by the company. Within the context of the commitment to the environment, the company continues, just as in previous years, to provide support in health issues for the community and workers. The Group has also fostered the recruitment of local employees with the objective of contributing to the community's economic dynamisation. Isolux Corsán has carried out various informative campaigns in the country on different issues:

- "Health and safety in the event of scorpion stings and snake bites in the construction locations".
- "Health and safety and the dangers of prolonged exposure to the sun".
- "Informative courses on HIV".

■ Brazil

As part of the Amazon project, the various training activities for the local community have been as follows:

- The social-environmental project 'Terra Indígena Trocará' which is outstanding by virtue of its innovation and modernity. Its objective is to support the native Asurini people in

the concept of sustainable farming and extraction in an environment of agricultural biodiversity management and management of the land and the Environment.

- The pioneering "Use of Wood" initiative: The project emerged with the objective of guaranteeing a structured use of wood. The company collaborates in the communities of the Cajari river in extraction techniques which do not have a negative impact on the surroundings.
- Finally, environmental education activities have also been implemented to provide support for the development of sustainable projects.

■ Colombia

The company has focused its activity on Puerto Bahía. Amongst the main activities are the following:

- "Tapatón": the company has joined the initiative created by the Fundevida Foundation for the collection of lids.

The money collected will be allocated to helping children and adolescents who have oncological and haematological illnesses.

- In the environmental area, the community initiative of recruiting local staff has continued for the development of cleaning services in the communities of Ararca and Santa Ana.
- The Group is also highly involved in fair trade actions. Isolux Corsán purchases the cleaning products from micro-companies formed by the "Rainbow" women's association located in Ararca.
- As part of social management, the company is continuing with its policy of establishing ties based on local manpower. In 2014 approximately 230 people from the community were employed in the campaign in the different projects active in the area.





Project "Cooperation Partnership" | **Chile**



Informative campaigns on the POR | **Armenia**



Social-Environmental Project "Terra Indígena Trocará" | **Brazil**

- Holding of the "HSE and Social Week". This event was held in August with the objective of motivating collaborators in the Group on conduct relating to self-care, occupational wellbeing and care of the environment.

■ Mexico

The company made a donation of office equipment material to the primary school 195 Motolina. It also made donations of bags of cement in order to build a civic courtyard in the school for the mobile classroom.

■ Chile

The "Cooperation Partnership" was developed within the context of the construction of the Alto Maipo Transmission system. The relief of the terrain, along with the vast quantity of vegetation existing in the project area made access and the work in the area difficult. The company collaborated in a strategic cooperation partnership with the fire fighters of San José de Maipo. The mutual support between Isolux Corsán, which collaborates with the transfer of safety elements, and the fire fighting team providing technical service, aims to improve the work and rescue activities.

■ Argentina

The Group's branch in the country undertook various activities, the most relevant being:

- In 2014, Isolux Corsán Argentina collaborated with the Children's Hospital "Ricardo Gutiérrez" in the

solidarity campaign "Our best project, building health". The company covered 40% of the cost for the new Hospital Management software for the hospital's Immunology Department.

- Within the context of the CETB project, various CSR initiatives were carried out by Isolux Corsán. Forestation activities were implemented with an average reforestation of 2000 trees per year. Moreover, Diagonal Lighting 74, technical guided tours and paper, cardboard and plastic recycling activities took place.

■ India

For Isolux Corsán, India represents the Group's main commitment in Asia. As part of its CSR commitment, Isolux Corsán is undertaking a social campaign of extreme importance in the country. The company is committed to the local environment and the community and, as such, tries to participate in all activities where possible.

Isolux Corsán India collaborated with the cleaning units which were held in December 2014 in collaboration with Ryan International School, CBSE, Dumas. Approximately 150 students participated in the activity which, amongst other Group members, was attended by Ajay Kumar Pashine, our Project Manager in the area.

As part of the activities undertaken in India, road safety training was also given to children, maintenance activities for public works, works for the maintenance of water supply facilities close to the project execution site, as well as celebrating Independence Day and Labour Day during which various prizes were awarded.

Finally, Isolux Corsán also made significant donations. Almost 100 pieces of equipment comprised of various materials were offered by the company as part of the social work being undertaken in the country. Amongst the beneficiaries are schools, local centres, for the construction of stadiums, etc.

■ Spain

Just as in the last seven years, Isolux Corsán continues to collaborate with Children's Villages and other organisations with the donation of the amount collected from the recycling of mobile phone terminals in the company.

The Adecco Foundation project in which Isolux Corsán contributes the same as other companies, has managed to improve its recruitment figures. Adecco, as part of this project, contributed to the creation of 5,161 jobs for those at risk of exclusion of which 2,859 were for those with disabilities.

The Family Plan, a project included within the Adecco Foundation framework, in which Isolux Corsán started to participate in 2011, is dedicated to equality, diversity and integration in its Human Resources management policies. During 2014 Isolux Corsán provided support for 10 families.

For the fourth year running, Isolux Corsán employees contributed to the "Solidarity Hamper" campaign at Christmas. This voluntary initiative is increasing its impact as the result of being supported by the company which matches the contribution donated by its employees. In total, 7 tonnes of staple foods were collected. The company contributed approximately 45 kg of staple foods for each hamper donated.





We work for environmental protection

Respect for the natural environment,
one of our flagships

The prevention of pollution, legal compliance in environmental issues and continuous improvement in the management of the environment are the commitments made by Isolux Corsán in the Group's Environmental Policy. This policy is disseminated to all levels in the organisation and is included in all its activities, regardless of the country in which it is being applied.

An efficient environmental management system

Isolux Corsán outlines its acquired commitments through its Environmental Policy as follows:

- It implements and develops Environmental Management Systems adapted to the company and which are in line with the principles set forth in the international ISO 1401 standard. Likewise, the company adopts the measures required for continuous improvement in the efficacy of the implemented systems.
- Meeting objectives and environmental targets are set forth and controlled by the Group coherently and in accordance with the organisation's capacities.
- It ensures that these objectives and targets contribute to gradually increasing good environmental conduct and the efficiency of the management system.
- Aware of the negative effects of pollution, the company applies practices aimed at the prevention and reduction of the most significant environmental impacts.
- Isolux Corsán complies with the applicable environmental legislation and requirements that the organisation endorses related to its environmental aspects.
- Updated information is essential for fulfilling the Environmental Policy. Moreover, the periodic review of this policy helps to maintain the vision and strategic objectives issued by Management in line with the requirements of the local environment where it undertakes its activity.

The integration of environmental aspects in Isolux Corsán projects

Isolux Corsán guarantees the strictest compliance with all legal requirements in relation to the integration and identification of environmental aspects in all its projects.

Environmental aspects are classified as real and potential. The former refer to the impact on water, the consumption of natural resources/products, damage to the earth, sound

pollution, atmospheric pollution, inert waste, hazardous waste, urban waste and the use of raw materials. The latter refer to accidents and incidents. Within the category of "real" aspects, the highest percentage corresponds to the generation of inert waste (30%), followed by the generation of urban waste (19%) and hazardous waste (15%), along with the consumption of natural resources/products (13%).



The future depends on environmental protection

As a global Group, Isolux Corsán is making progress in consolidating the existing corporate structure in each country to improve the implementation and monitoring of environmental management during projects. The Environmental Management System with which the company works, controls and minimises the environmental risks entailed by its activities. Isolux Corsán is working on environmental prevention and on the adaptation to legal regulatory variations which are detected in these countries.

Isolux Corsán focuses on the following principles:

- Development of good environmental management practices in all the countries where the company operates.
- Strengthening of the standardisation in the identification and assessment of environmental aspects.
- Minimisation of the environmental risk by adopting the necessary measures.
- Strengthening of training on environmental topics for project teams.
- Reporting and monitoring of indicators for consolidating the information originating from the different countries where we operate.

Implementation of execution checks and internal audits in all ongoing projects.

- Monitoring of the environmental objectives and compilation of the benefits obtained.
- Setting of new objectives, the monitoring and review of systems.

Our greatest commitment lies with renewable energy

Isolux Corsán considers renewable energy to be a real and efficient alternative in the fight against climate change and, as such, in achieving a reduction in energy dependence. T-Solar, one of the Group's subsidiaries, is clear proof of the application of sustainable development principles in all of its activities. In 2014, the photovoltaic power plants which are managed and operated by T-Solar generated 421 GWh of energy, equivalent to the annual average domestic electricity consumption of a population with more than 731,000 inhabitants. The clean electricity generated by T-Solar in 2014 prevented the emission of more than 150,00 tonnes of CO₂ into the atmosphere, which is equivalent to planting 9 million trees.



The Environmental Management System with which the company works, controls and minimises the environmental risks entailed by its activities

Efficiency and energy control

Isolux Corsán works with the objective of optimising energy consumption. As such, its focus is on the following steps to be taken:

- Improvement in the energy efficiency ratio
- Improvement in the water consumption efficiency ratio
- Minimisation in waste generation and improvements in its management
- Integration of environmental aspects in all activities

Carbon footprint

Since 2013, the Group has been compiling and consolidating data in order to obtain the carbon footprint for all its permanent centres, factories and projects in Spain following the guidelines indicated by the standard UNE-ISO 14064-1: 2006. Greenhouse gases Part 1: "Specification with guidance on an organisation level, for quantification and reporting of greenhouse gas emissions and removals". In the inventory of greenhouse gas emissions the following scopes have been taken into account:

Scope 1: Direct emissions

This refers to controlled emissions pertaining to the organisation: Emission of greenhouse gases originating from sources of greenhouse gases. The estimate of these emissions was

calculated using the emitting sources (machines, equipment, processes, etc.) existing in permanent centres, factories and sites.

Scope 2: Indirect emissions derived from energy

Greenhouse gas emissions associated with energy consumption in the various Group centres originating from the generation of the electricity produced externally in plants. To cal-

culate the emissions associated with electricity consumption the 2014 emission factor is used provided by the Spanish Electric Network for the electric mix in the Spanish mainland system.

Scope 3: For the total calculation, this scope includes the trips and railway and aeroplane journeys by employees.

The compilation of these data is used by Isolux Corsán to set reduction ob-

jectives and adopt measures directed at greater efficiency and control of consumption levels. During forthcoming periods, the calculation for scope 3 will include other indirect emissions which are the consequence of the company's activities, however which are not owned, or controlled, by Isolux Corsán.

■ Tonnes of CO2 eq.

Project	HQ	Factories	Permanent Centres, Sites/Services	Total
Direct emissions (Scope 1)	61,56	510,02	4.578,83	5.150,41
Indirect emissions due to energy consumption (Scope 2)	818,95	423,47	1.237,70	2.480,12
Emissions due to national trips by air and rail (Scope 3)				189,85
TOTAL				7.820,38



A boost for technological development

Committed to research

The experience acquired by Isolux Corsán in research, development and innovation projects is based on the Management System with which the company works based on the standard UNE 166.002:2014. This standard has fomented the execution of R&D and Technological Innovation projects within the Group's Business Units. The Corporate R&D&I Policy reinforces the commitment to innovation as follows:

- The development and implementation of the R&D&I Management System in accordance with the principles stipulated in the UNE 166.002 standard and which enables the continuous improvement of its efficiency.
- To foment cooperation in our business areas with external organisations who provide knowledge, methodologies and resources.
- The provision of a specific space in the organisation for setting the R&D&I objectives, their evolution and measurement.
- Knowledge and analysis of the latest technological advances in our sector, as well as how to obtain and guarantee the resources for meeting the R&D&I objectives.
- The detection of new ideas which enable the development of new products and services.
- The search for new business niches to improve the overall position of the company and its competitiveness.





Innovation in the Construction Division

The Construction Business Division's strategic priority is the certification of the technical innovations implemented on site. These are reflected in an R&D&I project report which is drawn up according to the requirements stipulated in the R&D&I Management System implemented in the organisation in accordance with the standard UNE 166.002. The reports are the subject of an independent audit in order to ensure that these projects are

ultimately certified according to the standard UNE 166001:2014. During 2013 and 2014, four new R&D&I projects obtained their certification. These are related to the technological areas for energy efficiency in hydraulics, reinforced concrete structures, geotechnics and foundations, materials technology (concrete), execution of viaducts and the mitigation of greenhouse gas emissions in construction infrastructures, both road and rail.

Isolux Corsán holds a leading position in the research and development of new technologies

The company is involved in the activities of the Spanish Technology Platform for Construction (PTEC), in which Corsán-Corviam Construction participates, which is comprised of the most important institutions, public research bodies, universities and companies in the construction sector.

Corsán-Corviam works to find solutions for safety and to reduce the negative effects on workers' health.

More specifically, Corsán-Corviam Construction is executing and leading projects focused on health and safety. These projects are the recipients of subsidies from the INNPACTO Programme by the Ministry for the Economy and Competitiveness, MINECO:

- New Intelligent Collective Prevention Systems in Dynamic Environments with Linear Infrastructures (PRECOIL).
- Integral Structural Monitoring System for Buildings based on Holistic Technologies (SETH).

Likewise in 2014, the SEIRCO project was executed. This is an intelligent expert system for the assessment and formation of risks in various environments in the construction sector which has the support of the Feder-Interconecta Galicia Programme.

The importance of water in R&D&I investments

The Environment Division made a considerable investment in R&D&I for projects linked to water, at the same time as Isolux Corsán reinforced the R&D&I Division in engineering to optimise its activities on a global scale. Amongst its main commitments in this area are:

- Energy optimisation in water treatment, regeneration and desalination.
- Development of new technologies for water treatment, regeneration and desalination.
- Energy recovery from water treatment plant waste.
- Recovery of brine waste.
- Reduction in greenhouse gas emissions, an aspect of particular importance in water treatment infrastructures.

Main projects

The most representative projects in the integrated water treatment cycle are:

- ADECAR. Application for the Capacitive Deionization of Wastewater, financed by the Ministry of Science and Innovation through the INNPACTO sub-programme. The objective is to develop Capacitive Deionization technology in order to apply it to the regeneration of wastewater.
- ABECAR. Application for the Catalytic Bioelectrolysis of Wastewater,



City of Energy, Ponferrada
| Spain

financed by the Ministry of Science and Innovation through the INNPACTO sub-programme. The objective is to develop Catalytic Bioelectrolysis technology in order to apply it to the biological treatment of wastewater

- ANAGUA. Strategic Nanotechnology applications in Wastewater, financed by the Centre for Industrial Technological Development through FEDER INTERCONECTA. The objective is to develop "nano" technology in order to apply it to the regeneration of wastewater.
- TREFO. "Treatment and Regeneration of Wastewater Backflow using new Forward Osmosis and Microbial Fuel Cell Technologies" is a FEDER INTERCONECTA GALICIA Programme.

In 2014, within the railway sector, the company concluded a framework collaboration agreement with the Administrator of Railway Infrastructures in Spain (ADIF) for joint collaboration in research, technological development and innovation activities in the Centre for Railway Technologies which ADIF has in Malaga.

The collaboration includes the execution of research projects and programmes, mutual advice, the training of research and technical staff and the creation of public/private consortia. Cooperation in R&D&I projects has the objective of increasing the competitiveness of Spanish companies with regard to the railway sector.



Salamanca WWT
| Spain