

Sustainability by Metalpine

Reporting about Global Compact Principles and
SDGs (Sustainable Development Goals) 2022



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1. INPUT TO THE PROGRESS REPORT (COMMUNICATION ON PROGRESS - COP)

Unternehmen

Metalpine GmbH is a young, innovative company based in Graz, Austria. Our innovative process for the production of high-value metal powders (e.g. for additive manufacturing) makes us unique worldwide.

METALPINE is part of the internationally present htm Group (hightech metal investment GmbH), with subsidiaries in Germany, Austria, France, Bahrain, USA and Japan. Since 2021, EOS, a leading provider of sustainable manufacturing using industrial 3D printing, has also been a shareholder in Metalpine GmbH. The aim is to cooperate more closely in the future in the joint development of innovative and sustainable metal powders.

With the process developed in-house, metal powder of a unique quality is produced from practically all metals and metal alloys (copper, steels, nickel-based alloys, titanium, molybdenum, tungsten, etc.) at the site in Graz/Austria.

The focus is on offering customers products of the highest quality, which can hardly be found anywhere else. The high sparsity as well as the absence of pores and satellites of the different metal powders make them a unique product worldwide and unrivalled by the competition. The high-quality Metalpine metal powders are used in those areas where the highest precision and durability of individual components are required, e.g. those produced using additive



manufacturing. The areas of application are therefore very wide-ranging and extend from medical technology and the automotive sector to aerospace, among others.

Sascha Rudolph, Commercial Director Metal Materials at EOS about Metalpine:

"The technology and the team at Metalpine excited us from the very first moment. We can now offer our customers even more efficient and sustainable solutions through the interplay between our industrial 3D printing process and the production of the metal powders used for this purpose."

"The Metalpine process enables a whole new dimension of flexibility and has been consistently geared to the 3D printing application field from the outset. Their systems are particularly compact, can be set up quickly for new materials and are so low in emissions that they can be operated without hesitation even in urban centres. We see a lot of joint development potential and look forward to working with a highly motivated and professional team".

Corporate Name:

Metalpine GmbH

Managing Directors:

Dr. mont. Martin Dopler

Mag. Gerald Pöllmann

Andreas Rohrseitz

Managing director under trade law:

DI Gerhard Helmut Lorber

Commercial register number:

437197m

Company place of jurisdiction:

Landesgericht für ZRS Graz

GLN (Public administration number)

9110022230772

Permissions for rights

LI Metalltechniker

Metall- und Eisengießen eingeschränkt auf Erzeugung von Metallpulver

Since 22.10.2019 for the location

8020 Graz, Kratkystraße 2

Branch:

Metall- und Eisengießer

GISA-Number

31999472

Authority according to ECG (E-Commerce Gesetz)

Magistrat der Stadt Graz

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Reporting period

Progress Report (COP) from: 01 January 2021 to 01 January 2022



Photo: Metalpine GmbH, (from left to right) Dr Martin Dopler (Metalpine), Gerald Pöllmann (Metalpine), Sascha Rudolph (EOS) and Andreas Rohrseitz (hightech metal investment) at the signing of the contract in 2021.

Interesting facts and background

METALPINE was founded from the beginning with the aim of using technological innovations in the powder metallurgy industry to improve environmental sustainability in this sector. For this reason, in 2020 the company participated in a workshop on the implementation of the 17 Sustainable Development Goals of the United Nations. There we met and worked in a group of leading companies such as Magna Steyr, Ringana, Komptech, BDO and Hirtenberger from Austria under the leadership of [Pro Sustainability](#).

In the last 2 years, we have followed up this contact in an SDG Network Group and regularly exchange with other companies on the SDGs, participate in company visits and discussions to report on our contribution to achieving the Global Goals.

We focus on sustainability in our processes and products for additive manufacturing by referring to the 17 UN SDGs (Sustainable Development Goals) and by committing to the 10 Global Compact Principles as a signatory since 2020.

10 Principles

The 10 universal principles of the UN Global Compact in the areas of labour standards, human rights, environmental protection and the fight against corruption clarify which principles the participating organisations must take into account in their strategies, policies and procedures. Signatories of the UN Global Compact thus contribute to a just shaping of globalisation.

Sustainable Development Goals (SDGs)

The Sustainable Development Goals (SDGs) are the global Sustainable Development Goals (SDGs) that were adopted by the United Nations (UN) in September 2015 and came into force in January 2016. These 17 global goals are divided into 169 sub-goals and are linked to the UN Millennium Development Goals (MDGs) in terms of content. Ecological, economic and social challenges, such as climate change, inequality and poverty, are to be solved by 2030 by means of this strategy. It is important that the challenges are tackled globally, at the level of the whole country and society as a whole.

Global Compact Austria

As a member of the United Nations Global Compact, specifically in Austria, we are obliged to prepare this public report "Communication on Progress" (COP). The COP report is an annual publication with which companies inform stakeholders about their efforts to implement the principles of the United Nations Global Compact:

-As a key component of the Global Compact's integrity measures, the main objective of the COP is to make information about sustainability performance public. At the same time, the COP can be an effective tool for stakeholder dialogue and the exchange of best and new practices.

.** Source: [Global Compact Österreich](#)

- As a public document, the COP is an important demonstration of a company's commitment to transparency and accountability.

2. ERKLÄRUNG ZUR KONTINUIERLICHEN UNTERSTÜTZUNG DURCH DEN CHIEF EXECUTIVE OFFICER



Graz, 01 March 2022

Dear Ladies and Gentlemen, Dear Business Partners,

It is our pleasure to confirm that **METALPINE** reaffirms its support for the ten principles of the United Nations Global Compact in the areas of human rights, labour standards, environmental protection and anti-corruption.

In this annual progress report, we describe our actions to continuously improve the integration of the Global Compact and its principles into our business strategy, corporate culture and daily operations. As well as promoting activities and knowledge related to the 17 United Nations Sustainable Development Goals. We are also committed to sharing this information with our stakeholders using our primary communication channels.

Yours sincerely,

Mag. Gerald Pöllmann

CEO

Dr. mont. Martin Dopler

CTO & Shareholder



3. DESCRIPTION OF THE MEASURES

Human rights



Principle 1:

Businesses should support and respect the protection of internationally proclaimed human rights; and

Principle 2:

make sure that they are not complicit in human rights abuses.

The way we look at it:

METALPINE continues to implement a socially fair standard in its supply chain that respects people's fundamental rights. For us, the right to food security is one of these fundamental rights. We also understand that as a company we can contribute to better nutrition and more sustainable agriculture by sourcing food products for our events from regional, organic and, in the case of coffee and chocolate, fair trade sources.

As water quality is a limited resource on our planet, we avoid the use of harmful chemicals in our production.

For us, the right to training means providing our employees with the necessary education to perform their work in the best and safest way. For this reason, we invest in various

sector-specific training courses and cooperate with training institutes.

In addition, we take the issue of gender equality and flexible working hours seriously, so that our employees, both men and women, can exercise their right to a family life and the necessary time off to reconcile both aspects.

Our internal measures:

- ✓ Training programme lasting several months (explosive and flammable products)
- ✓ Ensure that workers are provided with safe, fair and interesting work and activities
- ✓ Protect workers from harassment at work, including physical, verbal, sexual or psychological harassment, abuse or threats

- ✓ Health promotion (sport, work-life balance)
- ✓ We have at all times complied with the prescribed COVID-19 safety measures to protect the health of our employees and contact persons and have made additional tests possible. If required or desired by the employees, there is the possibility to work in a home office. .



Photo Credits:Green Tech Cluste, 7th INNOLounge, organised by Green Tech Cluster



Photo Credits:Metalpine, Binder High Power

Our global measures:

- ✓ Set minimum standards
- ✓ Supplier selection not exclusively cost-oriented
- ✓ Link long-term supply contracts (planning security for suppliers) with standards
- ✓ Replace "problem metals" (e.g. Ta, Sn, Co) with technically equivalent ones (customer discussion)

Labour standards



Principle 3:

Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;

Principle 4:

the elimination of all forms of forced and compulsory labour;

Principle 5:

the effective abolition of child labour; and

Principle 6:

the elimination of discrimination in respect of employment and occupation.

The way we look at it:

Compliance with standards is the basis for good coexistence and sustainable development of our economy and society. For this reason, METALPINE emphasises those policies that defend human rights and support ethical values and principles. We believe that with our sustainable business strategy we can contribute to companies in our industry seeing in us an example that it is also possible to take these factors into account and still be successful in business.

Our internal measures:

- ✓ Collective agreement for the metal-working industry
- ✓ Permanent employment contracts
- ✓ All production workers at least classified as skilled workers
- ✓ Ensure that the company does not engage in any form of forced or compulsory labour.
- ✓ Compliance with minimum wage standards as mentioned above.
- ✓ Ensure that employment-related decisions are based on relevant and objective criteria.

Our global measures:

- ✓ Supplier selection not exclusively cost-oriented
- ✓ Linking long-term supply contracts (planning security for suppliers) with standards
- ✓ We have started to demand and enforce agreement with suppliers through standards regarding the elimination of child and forced labour, which can occur in the extraction of minerals in different countries.

Environmental protection & innovation



Principle 7:

Businesses should support a precautionary approach to environmental problems,

Principle 8:

Take initiatives to create a greater sense of responsibility for the environment; and

Principle 9:

Promote the development and diffusion of environmentally friendly technologies.

The way we look at it:

From the beginning, our mission has been to develop technology and build a metal powder production that offers the best quality product on the market. But for us, quality is synonymous with respect for the environment and the impact of our production.

For this reason, we strive for excellence in all related issues, be it energy consumption, production materials that are integrated into the cycle or packaging for distribution, striving to be leaders in this sector. In addition, we plan to transport with minimal impact on global warming by rail or sea freight.

Our internal measures:

- ✓ Improved product quality through modern production process: Metalpine products can be reused more often. Recycling/return of powders as an alternative in the production process, technical difficulties due to the high powder surface due to the powder recycling innovation project.
- ✓ Target grain increase and thus waste reduction by 20-50% compared to standard production processes.
- ✓ Membership of the mobility cluster ACstyria for cooperations
- ✓ No dust emissions to the outside
- ✓ Reduction of process energy through integration into the building infrastructure
- ✓ Weight reduction→through additively manufactured components→through better materials→thereby lower raw

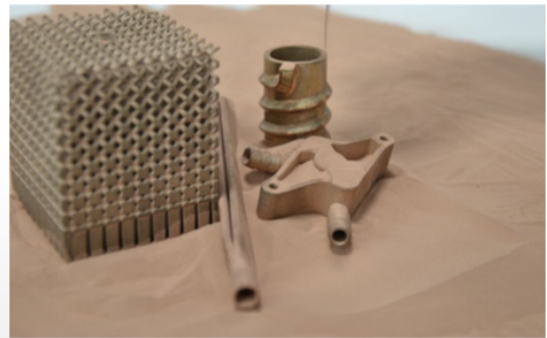
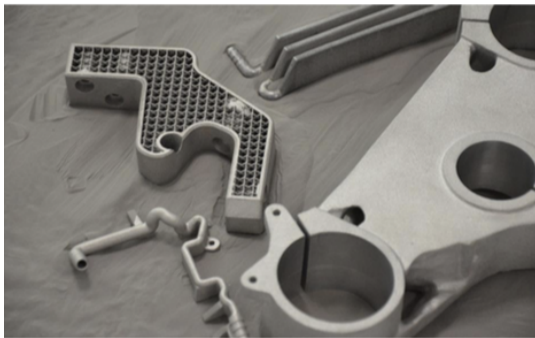
material consumption → depending on component and application

- ✓ Goal: Replace with recyclable containers (metal containers).
- ✓ Carry out overall life cycle assessment → develop containers
- ✓ Highest safety and health standards

Our global measures:

- ✓ Short-term planning: Air freight from China
- ✓ Medium-term planning: train transport, sea freight

- ✓ Metapine 2020: 20% air freight
- ✓ Metapine 2022: <2% air freight
- ✓ Stakeholders: Customers Manufacturer of the 3D printers
- ✓ Cooperation with stakeholders: Transport companies, authorities (approval), competitors, cost support through public funds Legislative texts
- ✓ Alignment of the company with the 17 Sustainable Development Goals of the United Nations



Combating corruption



Principle 10:

Businesses should work against corruption in all its forms, including extortion and bribery.

The way we look at it:

In order for the systems that support our society to maintain stability and justice, and to create bonds of trust between stakeholders, it is very important to fight corruption and respect institutions. Therefore, METALPINE rejects any use of methods that harm the system and create distrust among its actors, in order to avoid the abuse of institutions and promote a fairer and more ethical economy that takes into account the real impact of its actions.

Our internal measures:

- ✓ Assess corruption risks when conducting business.
- ✓ Mention "anti-corruption" and/or "ethical behaviour" in contracts with business partners.
- ✓ Ensure that internal procedures support the company's commitment to fighting corruption.
- ✓ Refrain from charging or paying provisions for the acquisition of projects that are not directly related to the work contribution of these persons and are governed by legal contracts.

- ✓ Disclose donations to associations or non-private companies.

Our global measures:

- ✓ develop standards as mentioned above and demand them from our suppliers.
- ✓ To publicly declare our support for these principles through this progress report for the UN Global Compact.



Photo: METALPINE, award event "5 years of SDGs and the 5 SDG pioneers" on 25.09.2020 in cooperation with WKO Steiermark, Steiermärkische Landesregierung A-14 and Global Compact Austria, f.l.t.r. Dr. DI Martin Dopler, Mag. Gerald Pöllmann, Dr. Leopold Strobl (WIN and WKO Stmk)

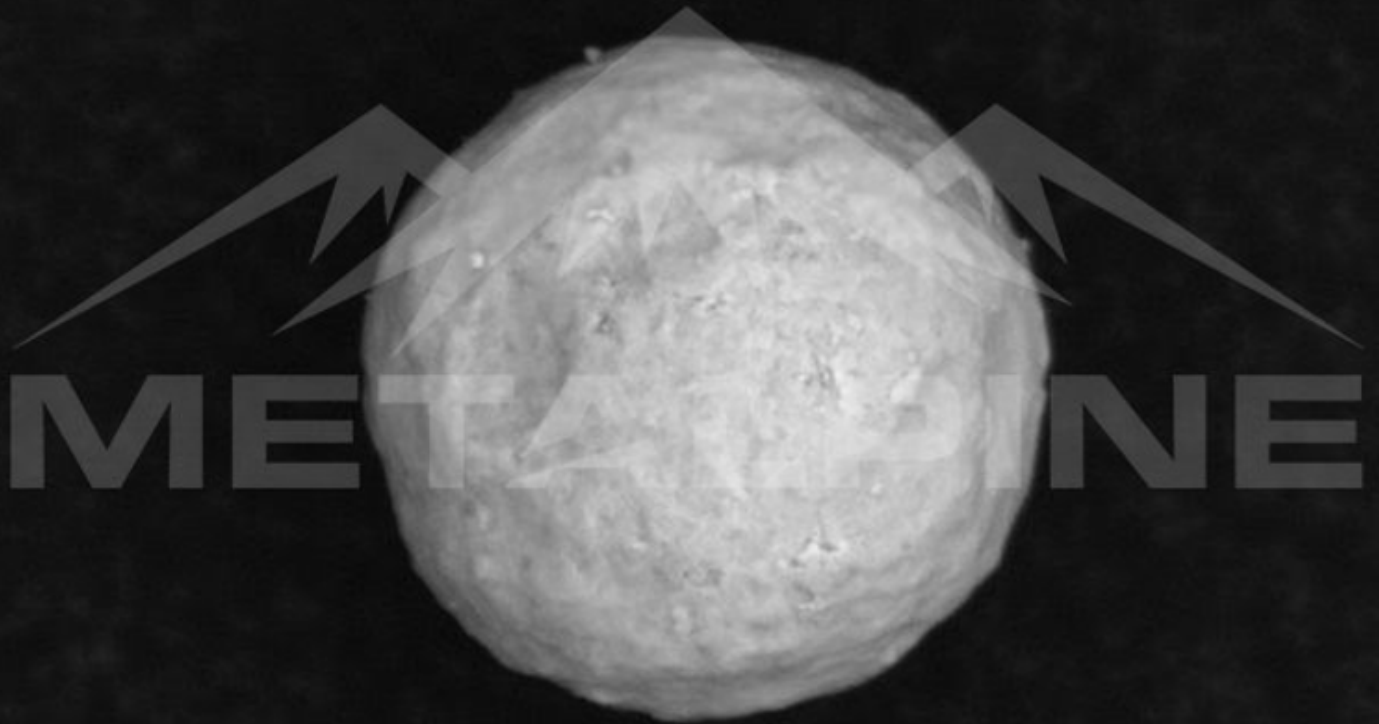


Bild:COPPER ALLOY , Binder

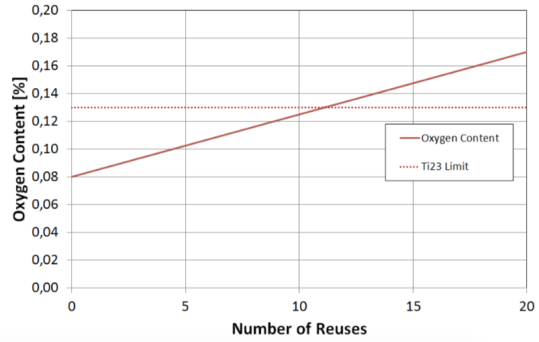
4. MEASUREMENT OF THE RESULTS

Metalpine, as a young company in the high-tech sector for the production of metal powders, has a vision from the beginning to offer the highest quality on the market with the lowest environmental impact.

One year after the first CoP report, we have made progress on key

environmental, safety, quality, social and economic issues to achieve sustainable development of our company in line with the 10 Principles and 17 SDGs.

We continue to strive for excellence by focusing on a number of priority issues, such as keeping our environmental footprint as small as possible. We describe the measures below.

<i>Location and Impact Topic</i>	<i>Action</i>	<i>SDG</i>	<i>ESG Topic</i>	<i>Status Quo</i>	<i>Target</i>	<i>Current status</i>
Supply chain, internal production : <i>Product Sustainability,</i> <i>Environmental, Research and Development,</i>	Argon consumption during production	7,8,9,12,13	Environment	Conventional production methods: 2-10kg Ar/kg	Metal powder Metalpine 2021/2022: strong reduction to -25%.	done
						

*Product Sustainability,
Environmental, Re-
search and Develop-
ment,*



1,
7,8,9
,12
13

Environ-

Improved product quality through modern production processes: Metal-pine products can be re-used more often.

- Recycling/return of powders is being considered as an alternative, technical difficulties due to the high powder surface → Innovation project on powder recycling.

current

- Replace "more difficult" metals (e.g. Ta, Co) with technically equivalent ones (customer discussion).

done

*Product Sustainability,
Environmental, Re-
search and Development*

Smarter products

9,12

13

Environ-

Weight reduction →
through additively
manufactured compo-
nents → through bet-
ter materials

→ therefore low raw material consumption → depending on component and application

done

Product Sustainability,

Packaging

9,12,
13,1
4, 17

Environ-

Target: Replace with recyclable containers (metal containers)

40,000 wide-neck

- Carry out a complete life cycle assessment

→ Develop containers (problem, among others, transport

current

Environmental, Research and Development



Governance

drums / year (10kg) (= plastic waste contaminated with metal powder)

Standard container for additive manufacturing: 3.6l Curtec wide-neck drum (10kg)

Metalpine development plan: up to 400t/year of metal powder (2025)

of hazardous goods!)

→ Customer relations→Ally with competitors

→ Market launch as a competitive advantage

→ Through our impetus, a larger client will initiate a project with us

→ Seek allies in the network (e.g. AM Austria)

→ Dialogue with stakeholders (customers, manufacturers of 3D printers, transport companies, authorities (approval), competitors) to support and jointly develop and use a recyclable container.

done

current

current

done

current

current

Governance

QMS

Audit 2022

current

Application of the products, reintroduction :

Product Sustainability,

Transport

7,12, 13

Environment

Short-term planning: air freight from China
Medium-term planning: train transport, sea freight Metalpine

Metalpine 2020: 20% air freight
Metalpine 2022: 2% air freight

current



Transparency in the Supply Chain, Environmental	2020: 20%					
Supply chain, internal : Transparency in the Supply Chain, Ethical Corporate Management, Human Rights, Employees	Suppliers	1, 3, 4, 8	Social	Social and environmental situation in the countries of origin of the raw material	• Soziale und ökologische Situation in den Herkunftsländern des Rohstoffs	current
	Employees		Social	Collective agreement for the metalworking industry	<ul style="list-style-type: none"> - Permanent employment contracts - No temporary staff - Training programme lasting several months (explosive and flammable products) - Health promotion (sports, work-life balance) 	done done done current

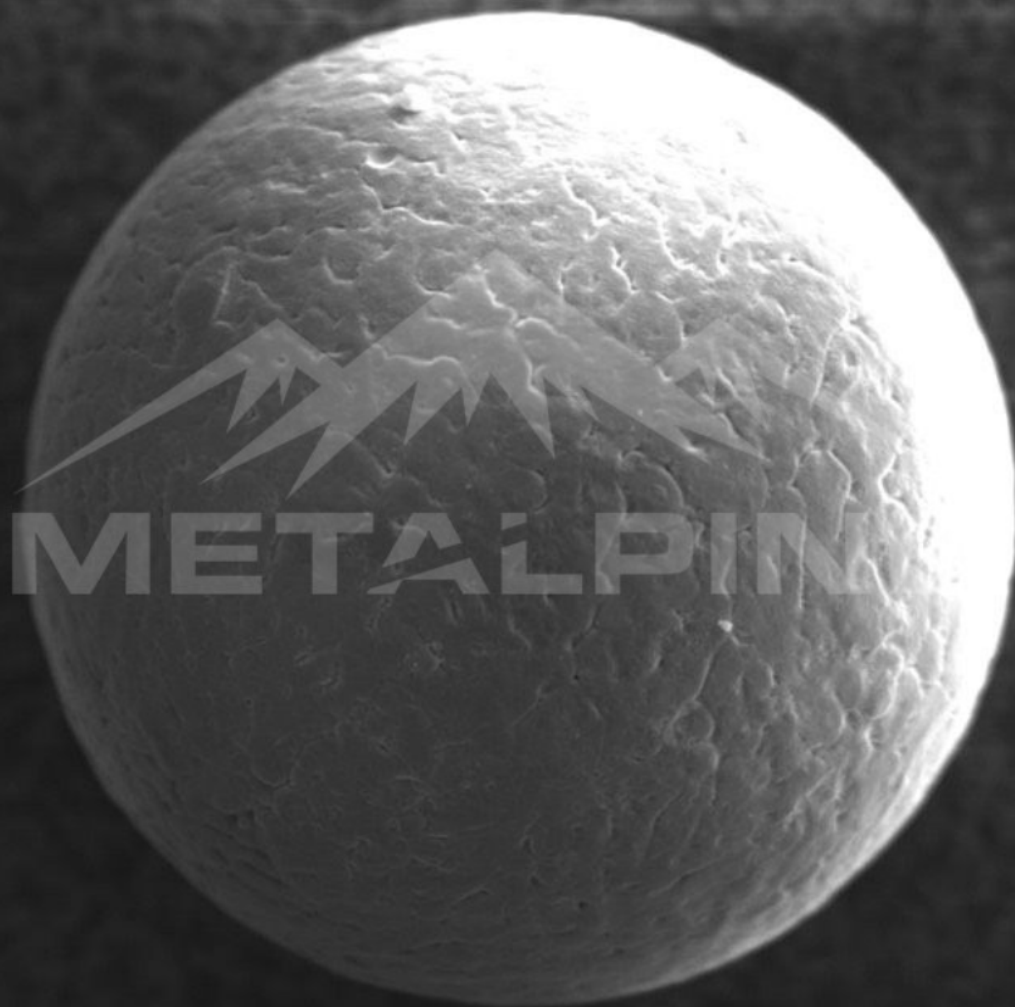


Bild: MOLYBDENUM Pulver, Binder

5. CLOSING WORDS

With this second report in 2022, we are pleased to have given you a further impression of how METALPINE sees the fulfilment of the 10 UN Global Compact Principles and the SDGs (Sustainable Development Goals).

We hope that this report has informed and inspired you. We will stay tuned and in the next report we will be able to tell you more about how we are fulfilling our planned actions and defined goals to make a positive contribution to a more sustainable economy.

6. FURTHER INFORMATION

We look forward to your feedback. Please send any questions or comments about this report to the following e-mail address:

office@metalpine.at

Follow our news and events on our website and blog: <https://metalpine.at/news>

Responsible for the report Metalpine GmbH



Photo: Pro Sustainability, SDG Entrepreneurship 2022. event on 22.09.2022 in Graz "[SDGs and sustainable](#)" business organised by ICS, SFG, Enterprise Europe Network and Pro Sustainability.



Photo: Pro Sustainability, company visit on 19.10.2002 at Metalpine in the context of the SDG Network Meeting, on the left Theresa Heuberger (Komptech), Dr. Wolfgang Danzer (Pewag), Kevin Pelz (Raiffeisen Landesbank Steiermark) and DI Ana Moreno (Pro Sustainability).



Photo: Photo: Metalpine took part again in the Raiffeisen Business Race in Graz for Health Promotion in 2021.