LORTEK
MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

REPORT ON CONTRIBUTION TO THE SUSTAINABLE DEVELOPMENT GOALS (SDGS)

2024

Project undertaken with financing from:

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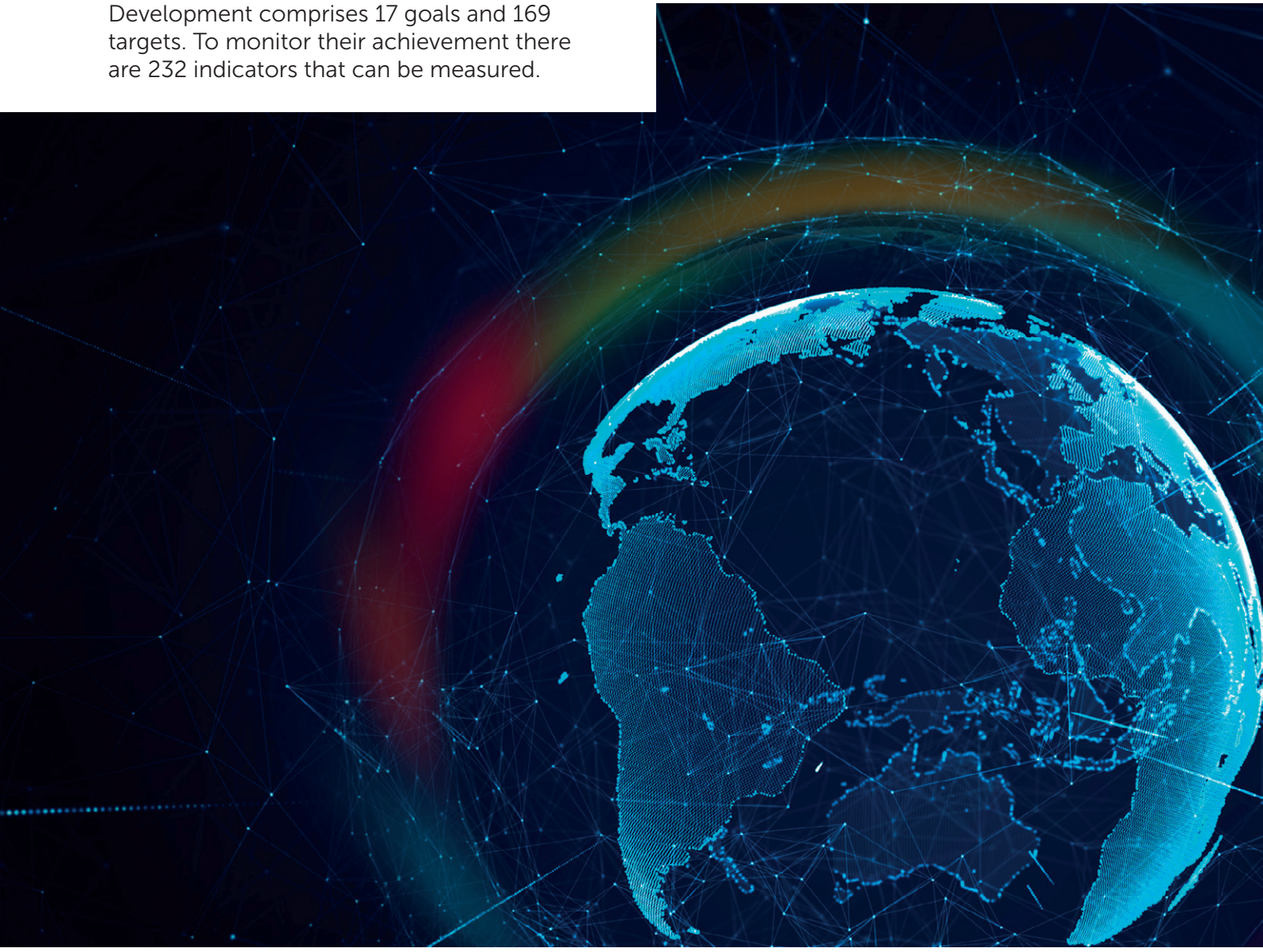
1. DESCRIPTION OF THE SDGs

The 2030 Agenda for Sustainable Development comprises 17 goals and 169 targets. To monitor their achievement there are 232 indicators that can be measured.



The SDGs are the following:

SDG 1
End poverty in all forms everywhere.

SDG 2
End hunger, achiever food security and improved nutrition, and promote sustainable agriculture.

SDG 3
Ensure healthy lives and promote wellbeing for all at all ages.

SDG 4
Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG 5
Achieve gender equality and empower all women and girls.

SDG 6
Ensure availability and sustainable management of water and sanitation for all.

SDG 7
Ensure access to affordable, reliable, sustainable and modern energy for all.

SDG 8
Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.

SDG 9
Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation.

SDG 10
Reduce inequality within and among countries.

SDG 11
Make cities and human settlements inclusive, safe, resilient and sustainable.

SDG 12
Ensure sustainable consumption and production patterns.

SDG 13
Take urgent action to combat climate change and its impacts.

SDG 14
Conserve and sustainably use the oceans, seas and marine resources for sustainable development.

SDG 15
Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

SDG 16
Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.

SDG 17
Strengthen the means of implementation and revitalize the global partnership for sustainable development.

2.
ANALYSIS OF LORTEK'S CONTRIBUTION TO THE SDGs

LORTEK's activity positively contributes to most of the SDGs. This section will analyse LORTEK'S impact in and contribution to each sustainable development goal, examining the different areas and their indicators and identifying those where it has influence.

LORTEK has identified its stakeholders and interest groups and with them delineates the relevance of each of the SDGs.

The SDGs that most concern the organization and its interest groups are hence identified as the following:

Each of them is further elaborated below:

Industry, innovation and infrastructure

The manufacturing industry's recovery after the pandemic of coronavirus (COVID-19) disease is still unequal and unfinished. Global manufacturing growth slowed to 3.3% in 2022, versus 7.4% in 2021.

Progress in the least developed countries (LDCs) is far from being sufficient to achieve the goal of doubling the manufacturing industry's share in gross domestic product (GDP) by 2030.

However, the medium-high and high tech industries have shown solid growth rates. In 2022, 95% of the world's population was within reach of a broadband mobile network, although some areas are still insufficiently served. Global carbon dioxide (CO2) emissions from energy combustion and industrial processes increased by 0.9% to reach a historic high of 36.800 billion metric tonnes, well below global GDP growth, thereby reversing a decade-long trend of decoupling emissions and economic growth. To achieve Goal 9 in 2030, it is vital to support the LDCs, invest in advanced technologies, reduce carbon emission and increase access to broadband mobile. In total employment, the proportion of factory jobs continues to decline worldwide, from 14.3% in 2015 to **13.6% in 2021**.

In 2022, 95% of the world's population could access broadband mobile networks, although some areas still do not receive those services. Global spending on research and development (R&D) as a proportion of gross domestic product (GDP) rose from 1.69% in 2015 to **1.93% in 2020**. The number of researchers per million of inhabitants increased globally from 1,022 in 2010 and 1,160 in 2015 to **1,342 in 2020**.

LORTEK'S CONTRIBUTION

Lortek plays a fundamental role in promoting sustainable industry and technological innovation, which is the most relevant SDG for its mission.

As a technology centre, its raison d'être is innovation, focusing on three key areas: joining technologies, additive manufacturing and digitalization, which have positioned Lortek as a leader in infrastructure development and sustainable solutions for various industrial sectors.

Main contributions:

- **Joining technologies:** Lortek aims to improve joining and repair technologies, developing future products that meet the challenges of industry, such as lightening, sustainability, defect elimination and digitalization;
- **Additive manufacturing technologies:** Lortek designs products and systems, and researches advanced additive manufacturing processes and materials, focusing on needs stemming from the digital and energy transitions;
- **Digitalization technologies:** Lortek develops high-added-value digital solutions for industry, improving flexibility, productivity, energy and resource efficiency and competitiveness for its clients.

Lortek carries out projects that integrate these technologies to impact key sectors:

- **TECMADIVA:** Project focused on metal additive manufacturing, helping develop sustainable processes and materials;
- **MADISON:** Aims to optimize value capture in the additive manufacturing chain, broadening its industrial take-up;
- **FORTEC:** Focuses on training in joining technologies, particularly the manufacture of electric vehicle components.

These projects show Lortek's commitment to progress in industrial innovation, helping build a more sustainable and efficient industry prepared to meet future challenges.

7 AFFORDABLE AND CLEAN ENERGY

Affordable and clean energy

The world continues to advance toward sustainable energy objectives, though not fast enough. At the current pace, around 660 million people will continue without access to electricity and nearly 2 billion will still depend on polluting fuels and technologies for cooking in 2030.

Renewable energies account for almost 30% of energy consumption in the electricity sector, though there are still problems in the heating and transport sectors.

The developing countries have posted annual growth of 9.6% in introduction of renewable energies. Yet despite the tremendous needs, international financial flows for clean energies continue in decline. To ensure that all have access to energy in 2030, we should speed up electrification, boost investment in renewable energies improve energy efficiency and develop regulatory frameworks and policies that make this possible. Some 733 million people have no access to electricity. That is approximately one in every ten people around the world. Access to electricity rose from 73% in 1998 to 90% in 2020. It is calculated that between 35 and 40 billion dollars are needed annually to achieve universal access to electricity between 2021 and 2030. Worldwide access to electricity rose from 87% in 2015 to **91% in 2021**; however, **675 million people**, mainly in the least developed countries (LDCs) and sub-Saharan Africa **are still unable to access it**. Although progress has been made around the world on improving access to electric power and clean fuels for cooking, 675 million people are still not connected to electric lines and 2.3 billion are still dependent on dangerous and polluting fuels for cooking. Renewable sources account for nearly 30% of energy consumption in the electric sector, although there are still challenges in the heating and transport sectors. In 2021, **71% of the world's population** had access to clean fuels and technologies for cooking, versus 64% in 2015. The region that had the **lowest access rates** was **sub-Saharan Africa**, where progress toward clean cooking has not kept up with the pace of demographic growth, whereby a total of **900 million people** were left without access in 2021.

LORTEK'S CONTRIBUTION

Although LORTEK's main focus is not directly on energy, its participation in various projects indirectly contributes to SDG 7 by promoting access to affordable, reliable, sustainable and modern energy.

Lortek collaborates in projects meant to develop materials that can be used to meet current social challenges, such as generating clean energy, developing electromobility or reducing the environmental impact of industry.

Significant projects:

- **FORTEC project:** Led by Renault España, FORTEC focuses on decarbonizing the manufacture of electric vehicles, developing advanced joining technologies for components such as batteries and chassis. This projects aims to reduce CO2 emissions in vehicle production, promoting electromobility and hence cleaner energy in the transport sector;
- **Laser Welding in Large Aeronautic Structures:** This project focuses on developing advanced materials and innovative technologies to reduce the environmental footprint in aircraft production. The introduction of laser welding enables more efficient and sustainable processes, reducing energy consumption and manufacturing-associated emissions in the aerospace industry;
- **Energy Consumption with Guarantee of Origin:** Lortek demonstrates its commitment to sustainability by consuming electricity with guarantee of renewable origin at its facilities. This practice ensures that the energy used comes from clean sources, thereby helping reduce the organization's carbon footprint.

8 DECENT WORK AND ECONOMIC GROWTH

Decent work and economic growth

Multiple crises seriously threaten the global economy. Real per capita GDP growth is forecast to slow in 2023. The difficult economic conditions have pushed more workers into informal employment. As economies begin to recover, the global unemployment rate has fallen significantly.

However, the unemployment rate among youths is still much higher than among adults, which indicates that it is still hard to guarantee job opportunities for young people.

The pandemic sped up digitalization and transformed the access to financing. At global level, in 2021 76% of adults had bank accounts or accounts in regulated entities, as opposed to 62% in 2014. The achievement of Goal 8 will require a thorough reform of the financial system to deal with higher debt, economic uncertainty and trade tensions, while at the same time promoting equitable remuneration and decent work for young people. The global growth slowdown in 2023 will probably not be as serious as forecast, mainly due to the resistance of home spending in developed economies and the recovery of China. It is now forecast that global economic growth will reach 2.3% in 2023, implying un upward revision of 0.4 percentage points compared to the January forecast. Average global inflation is expected to decline from 7.5% in 2022 to 5.2% in 2023 due to lower food and energy prices and falling demand, especially in the major developed economies. According to the report on the Situation and Outlook for the Global Economy, the growth of global production will decelerate to 1.9% in 2023, implying a drop of more than one percentage point compared to the 3% in 2022.

LORTEK'S CONTRIBUTION

Lortek aligns with SDG 8, promoting decent work and sustainable economic growth by generating quality employment, strengthened R&D+I activities and the creation of structures that foster social and business participation.

Main contributions:

- **Generation of Quality Employment:** as a technology centre, Lortek encourages the creation of quality employment in areas of research and innovation, especially in key sectors such as advanced manufacturing, digitalization and industrial sustainability. Its focus on continual training of its team ensures a labour environment that fosters professional and personal development;
- **More investment in R&D+I:** Lortek contributes to economic growth through the constant increase of the amount it invests in research, development and innovation. This growth enhances its ability to lead technology projects and make progress on disruptive solutions that benefit multiple industrial sectors;
- **Creation of the Social Council:** the creation of the Social Council boosts collaboration between Lortek, companies and other stakeholders, fostering dialogue and participation in decision-making. This space helps align the centre's activities with social and economic needs, promoting a positive impact in the local and global environment.

Direct impacts:

- **In Decent Work:** provides stable highly qualified jobs, generating opportunities for researchers and professionals in advanced technological areas;
- **In Economic Growth:** the increase in innovation projects and the transfer of knowledge to industry improve companies' competitiveness and help drive sustainable economic development.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Responsible consumption and production

The material footprint per capita in the high-income countries is ten times higher than in the low-income countries.

The world is also seriously off track in its efforts to cut food loss and waste per capita in half by 2030.

Global crises have led to an upsurge in fossil fuel subsidies, which almost doubled from 2020 to 2021.

Information about business sustainability and public contracting policies has increased, though with respect to sustainable tourism monitoring and consumption it has decreased.

Responsible production and consumption should form an integral part of the post-pandemic recovery and the accelerated plans for the Sustainable Development Goals. It is crucial to implement policies that support change toward sustainable practices and decouple economic growth from use of resources.

LORTEK'S CONTRIBUTION

As a technology centre, Lortek plays a vital role in promoting responsible consumption and production practices, aligning itself with the sustainability goals. Through its research and development in advanced technologies, Lortek seeks to optimize use of resources, reduce waste and foster sustainability in various industries.

Main contributions:

- **Research in Joining Technologies:** research in joining technologies enables efficient repair of components instead of their replacement, prolonging the useful life of products. This leads to less waste and supports a circular economy model;
- **Optimization of Resources in Additive Manufacturing:** Lortek develops advanced methodologies to determine parameters in additive manufacturing, streamlining use of energy and materials. These practices help minimize the resources needed in production processes, reducing the industry's industrial impact;
- **Promotion of Sustainability in Industry:** by means of specific projects and knowledge transfer, Lortek fosters sustainable practices in key sectors, helping companies adopt more responsible production models.

Direct impacts:

- **In Responsible Production:** optimization of production processes to reduce resource use and minimize waste;
- **In Responsible Consumption:** extension of the useful life of products by means of repair technologies, promoting more efficient use of assets.

13 CLIMATE ACTION

Climate action

Given the imminent threat of a climate disaster, the pace and scale of current climate action plans are totally insufficient to effectively deal with climate change. Ever more frequent and intense extreme weather events already affect all regions of the globe.

Higher temperatures will aggravate these dangers even more, entailing very serious risks. The Intergovernmental Panel on Climate Change (IPCC) stresses that it is vital to substantially, quickly and sustainably reduce greenhouse gas emissions in all sectors from now on and throughout this decade.

To limit global warming to 1.5°C above pre-industrial levels, emissions should already be getting lower and be reduced to nearly half by 2030, just seven years away.

Urgent and transforming action is crucial and should go beyond mere plans and promises. More ambition is needed, encompassing entire economies and advancing toward climate-resistant development, while marking out a clear path to achieve zero net emissions. The time is almost up and immediate steps should be taken to avoid catastrophic consequences and ensure a sustainable future for future generations.

LORTEK'S CONTRIBUTION

Lortek significantly contributes to SDG 13, focusing on the mitigation of climate change through the development of advanced technologies that streamline resource use, reduce waste and minimize greenhouse gas emissions in industrial processes.

Principales contribuciones:

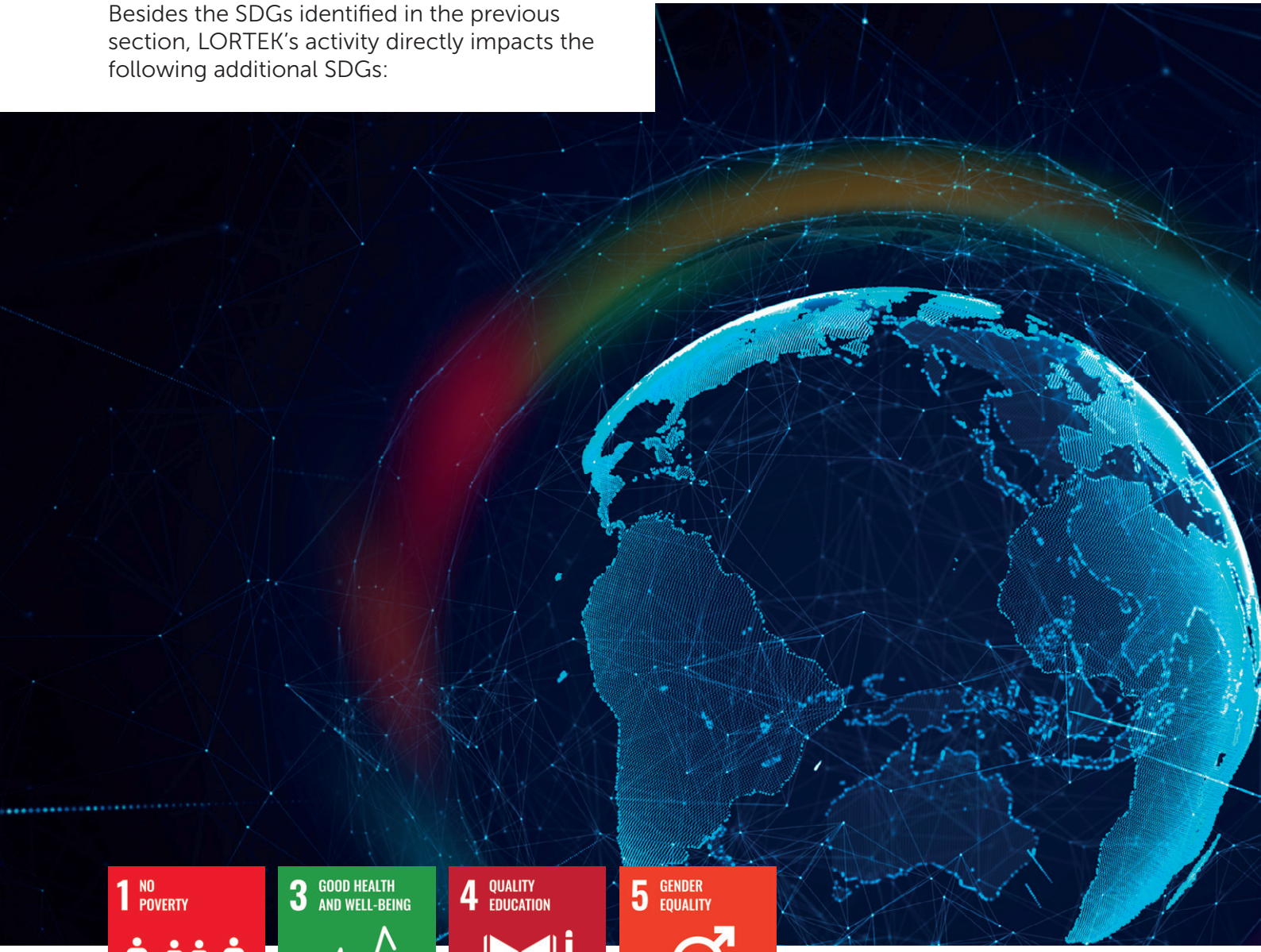
- **Efficiency of Resources and Reduction of Manufacturing Waste:** Lortek develops advanced manufacturing technologies that prioritize the efficiency of resources, lowering environmental impact and reducing waste generation. These solutions enable industrial processes to become more sustainable and less carbon-intensive;
- **Participation in Sustainable Projects:**
  - Project AIRISE: Lortek collaborates in initiatives meant to reduce carbon emissions and waste in industry, promoting cleaner and more sustainable manufacturing processes;
- **Mitigation of Climate Impact**
  the introduction of these technologies and their transfer to different industries directly help reduce the carbon footprint and combat climate change, supporting the transition toward a low-emissions economy.

Direct impacts:

- **In Climate Mitigation:** reduction of greenhouse gas emissions in key industrial processes;
- **In Industrial Sustainability:** promotion of eco-design practices and ecologic production in highly carbon intensive sectors such as aeronautics.

3. ADDITIONAL SDGs

Besides the SDGs identified in the previous section, LORTEK's activity directly impacts the following additional SDGs:



Each of them are further elaborated below:

No poverty

If current trends are maintained, 575 million people will continue to live in extreme poverty and only a third of countries will have reduced to half their national levels of poverty by 2030.

Despite the expansion of social protection during the COVID-19 crisis, more than 4 billion people remain entirely unprotected. A large part of the planet's vulnerable population groups, including young people and the elderly, are still not covered by compulsory social protection programmes. The percentage of public spending on essential services such as education and social protection is significantly higher in the advanced economies than in the emerging and developing economies.

To achieve the core commitment to end poverty and leave no-one behind, it is crucial to ramp up measures and investments to boost economic opportunities, improve education and expand social protection to everyone, especially the most underprivileged.

LORTEK'S CONTRIBUTION

LORTEK actively participates in several public interest initiatives through its contribution to education and cooperative promotion and other pubic interest purposes (COFIP). These actions aim to improve the standard of living of vulnerable groups in Gipuzkoa. Some of the organizations and activities that Lortek collaborates with are detailed below:

- **Gipuzkoa Food Bank:** Lortek supports the Gipuzkoa Food Bank, an organization that provides food assistance to needy people. This support is vital to combat poverty and social exclusion in the region;
- **Atzegi:** Lortek collaborates with Atzegi, an association that works in favour of people with intellectual disabilities in Gipuzkoa, promoting their social inclusion and improving their quality of life;
- **Aspanogi:** the company supports Aspanogi, the Association of Parents of Children with Cancer in Gipuzkoa, which provides integral support to families with children affected by cancer, offering resources and accompaniment during treatment and recovery;
- **Gipuzkoa Blood Donors:** Lortek participates in initiatives of the Gipuzkoa Association of Blood Donors, promoting regular blood donation among its employees and the community. This organization has been recognized for its social impact, having facilitated more than a million donations over six decades, saving numerous lives;
- **Gautena:** Lortek collaborates with Gautena, the Gipuzkoa Autism Association, which offers support and specialized services to people with autism spectrum disorder and their families, promoting their development and participation in society;
- **Gurutze Gorria (Red Cross):** the company supports the Gipuzkoa Red Cross, a humanitarian organization that carries out programmes involving social assistance, emergencies and promotion of health, benefiting people in vulnerable situations;
- **Katxalin:** Lortek collaborates with Katxalin, an association that offers support to women affected by breast and gynaecological cancer in Gipuzkoa, supplying information resources, accompaniment and activities to improve their wellbeing;
- **Kilometroak:** the company participates in Kilometroak, an annual festival organized by the ikastola schools of Gipuzkoa to promote education in the Basque language and raise funds to improve educational quality and school infrastructures.

By means of these collaborations, Lortek demonstrates its commitment to the elimination of poverty and improving the living conditions of various groups in Gipuzkoa, in line with the principles of this SDG and strengthening the social fabric of the community.

Good health and well-being

In recent years some progress has been made in improving global health. For example, 146 of the 200 countries or zones have already reached or are on the way to reaching the target of the SDGs concerning infant mortality under the age of five. Effective treatment of HIV has reduced global AIDS-associated deaths by 52% since 2010 and at least one neglected tropical disease has been eliminated in 47 countries.

However, progress has been insufficient in other areas, such as reducing maternal mortality and the expansion of universal health coverage. In 2020 approximately 800 women died every day around the world as a consequence of pregnancy or giving birth. And 381 million people were pushed or pushed even farther into extreme poverty in 2019 due to direct payments associated to health. The COVID-19 pandemic and current crises have prevented progress toward this SDG 3. Child vaccination has experienced the biggest decline in three decades and deaths due to tuberculosis and malaria have increased compared to the pre-pandemic levels.

To overcome these setbacks and remedy traditional deficiencies in health care, investment must be increased in health systems to support countries in their recovery and create resilience to future health threats.

LORTEK'S CONTRIBUTION

Lortek is dedicated to researching additive manufacturing technologies, also known as 3D printing, with potential applications in the development of medical and prosthetic devices. These innovations can significantly improve the health and wellbeing of people by providing personalized and efficient medical solutions.

In this area, Lortek has undertaken a number of actions:

- **Annual Reviews and Analyses on Occupational Risk Prevention:** Lortek carries out periodic evaluations to guarantee the health and safety of its employees, identifying and mitigating eventual occupational risks;
- **First Aid Training:** the company capacity-building in first aid, preparing its personnel to effectively deal with workplace medical emergencies;
- **A Healthy Company 'Bodyguard':** this initiative promotes healthy living habits among personnel, fostering physical and mental wellbeing in the work environment;
- **Training for New Personnel and Health Check-ups:** Lortek ensures that all new personnel receive suitable training in health and safety, besides being subject to initial health exams to guarantee their work aptitude;
- **Individual Quirón Application:** by means of the Quironprevención platform, personnel have personal access to health services, facilitating the monitoring of their wellbeing and the management of medical appointments;
- **Medical Team with special prices at Quirón:** Lortek offers its staff access to a medical team with preferential prices at Quirón, facilitating access to quality health services.

These actions reflect Lortek's commitment to promoting health and wellbeing, both through its research projects with social impact and by integral care of its personnel, in line with the aims of this SDG.

Quality education

The progress toward quality education was already more limited than what was required before the pandemic. But COVID-19 had a devastating impact on education, causing learning losses in four fifths of the 104 countries studied. Without additional measures, only one of every six countries will achieve the goal of universal finishing of secondary education between now and 2030, around 84 million children and young people will still not be going to school and approximately 300 million students will lack the basic skills in arithmetic and literacy needed to prosper in life.

To achieve the national targets for Goal 4, whose ambition has been cut back from its original targets, 79 low-income and medium/low income countries continue facing an annual average financing deficit of 97 billion dollars. To fulfil SDG 4, financing education should become a national priority. Furthermore, measures such as free tuition and compulsory education are essential, along with more teachers, improved basic school infrastructures and digital transformation.

LORTEK'S CONTRIBUTION

At LORTEK, training is understood to be a lever for the progress of people and organizations, and it is part of the activity provided. LORTEK is situated in the Goierri innovation pole in Ordizia, Gipuzkoa, a meeting point for education, research and companies. Education is a pillar of both the pole and our technological environment.

As a research centre, Lortek participates in the training of researchers and professionals, contributing to quality education in key technological areas.

Aware of the importance of training future generations of professionals, Lortek hosts every year students from various universities, offering them the opportunity to do undergraduate and master's degree projects. Such cooperation enables students not just to apply their knowledge in a practical context but also to deal with real challenges in research and development projects, thereby helping assure their academic and professional progress.

We also back the development of high-level scientific research through doctoral theses. By means of our collaboration with universities and research centres, we provide doctoral researchers with access to technical resources, practical experience and a multidisciplinary environment.

Doctoral thesis work is also carried out within Lortek.

Various training courses are also taught in collaboration with Mondragon Unibertsitatea, such as:

- International engineer in IWE welding;
- International technician in IWT welding;
- Professional master's degree in IWE/IWT welding, robotics and digital inspection;
- Course on welded manufacturing control;
- Laser welding course;
- Master's degree in industrial additive manufacturing;
- Training tailored to the needs of industry.

Technical and skill training is consequently organized, enabling external talent to be driven and valued in industrial environments to thereby achieve improvements in digitalization, innovation and sustainability. We act as a learning facilitator for third parties through the technology developed, offering enhanced interactive simulation tools for online training.

Training is also very much ingrained in LORTEK; our personnel have access to an annual training programme that enables them to improve their capacities.

This internal training is arranged according to the personnel management process and offers everyone the possibility to develop by improving the capacities required for their positions.

Gender equality

With only seven years to go, only 15.4% of the Goal 5 indicators for which data is available are 'on the right path', 61.5% are some distance away and 23.1% are far or very far from meeting the 2030 targets.

In many areas the progress has been far too slow. At the current pace, it is estimated that it will take 300 years to end child marriage, 286 to resolve gaps in legal protection and eliminate discriminatory laws, 140 years for women to be represented on an equal basis in positions of leadership and power at the workplace and 47 years to achieve equal representation in national parliaments. Political leadership is necessary, along with investment and integral political reforms to dismantle the systematic barriers that prevent achievement of Goal 5. Gender equality is a cross-cutting objective and should be a key element in policies, budgets and national institutions.

Around 2.4 billion working-age women do not have the same economic opportunities. Globally, nearly 2.4 billion women do not have the same economic rights as men, and 178 countries still maintain legal barriers that prevent full economic participation of women. In 2019, one of every five women between 20 and 24 years old had married before the age of 18.

LORTEK'S CONTRIBUTION

At Lortek we assume the explicit commitment regarding equality of men and women in the **2nd Plan for Equality (2024-2028)**, following the guidelines set by legislation, thereby contributing to Gender Equality Strategy (2020-2025) established by the European Commission and the sustainable development goals of the United Nations and particularly this Goal 5 on achievement of gender equality and empowerment of all women and girls.

Commitment to equality

With the target of effective equality of women and men on the horizon, at LORTEK we assume a real and explicit commitment.

We take steps and establish action lines that can be implemented to achieve this.

Gender equality

Equality between men and women is a priority for LORTEK and is considered a fundamental principle of labour relations and human resources management in the organization. This commitment is set out in our Equality Plan, whose aim is to eliminate and correct any kind of inequality or discrimination due to gender that may occur in the organization, integrating equal treatment and opportunities between men and women as an axis across all management procedures.

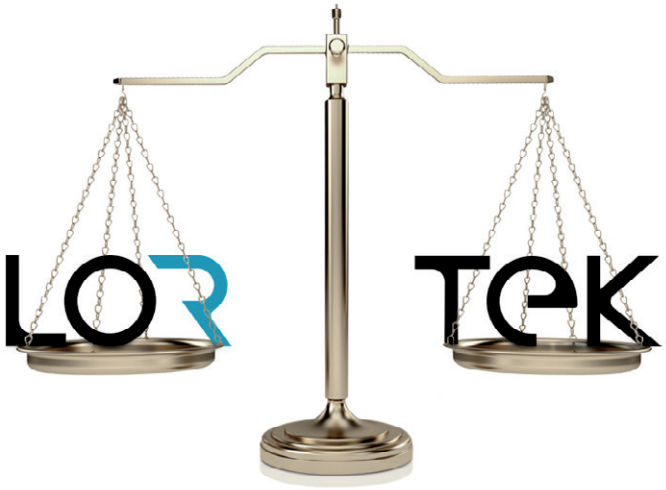
As a technology centre, the gender aspect is integrated in all aspects associated to the research and development we conduct, and in all kinds of training activities.
We implement the Equality Plan with the firm commitment to strengthening an egalitarian internal structure while at the same acting as a driver in terms of equality with respect to the exterior, contributing to the progress toward a society in which equality is both real and effective.

Within the LORTEK Equality Plan a **Reconciliation Plan** has also been implemented, the aim being to promote several measures and actions regarding equal opportunities for men and women and to facilitate reconciliation of personal, family and work life. LORTEK currently has 21 measures in place to facilitate that reconciliation for the centre's personnel.

To comply with current legislation, an **ethics and reporting channel** has been set up to denounce any eventual ethical noncompliance of the company under its compliance policy.

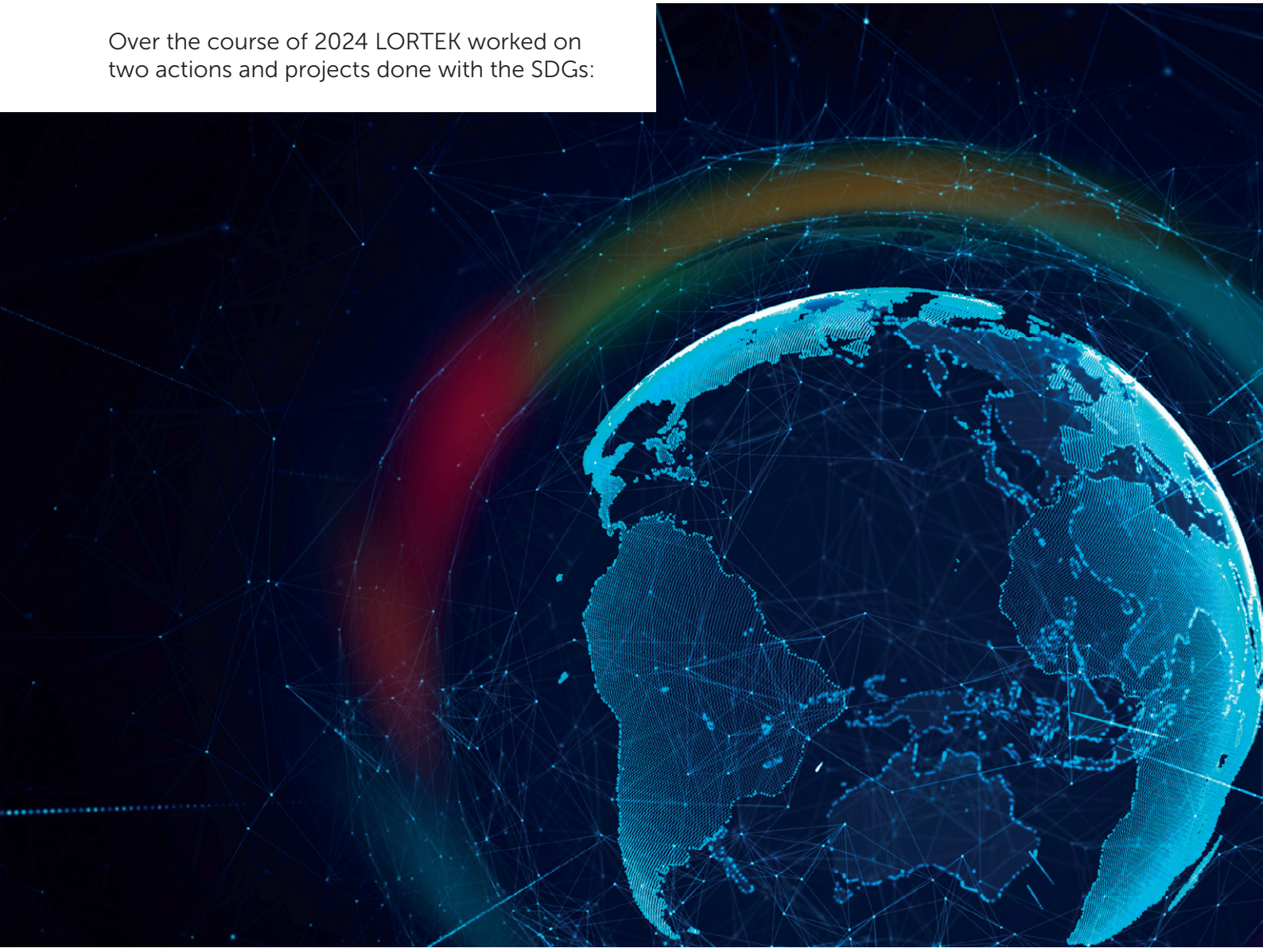
CORPORATE COMPLIANCE

In the framework of our corporate culture for responsible management of the centre, we publish the Compliance Policy, which sets out our commitment to compliance with current legislation, especially penal aspects, for all personnel forming part of Lortek S.Coop.



4.
ACTIONS AND PROJECTS UNDERTAKEN IN 2024

Over the course of 2024 LORTEK worked on two actions and projects done with the SDGs:



1) Calculation of the carbon footprint and decarbonization plan;

2) Priority SDGs for LORTEK's activity and review of LORTEK's contribution to each of them.

Regarding the first project, work was conducted on a first phase of carbon footprint calculation with the support of Ondoan and IK Ingeniería, including scope 3 and overall perimeter.

The production of a roadmap on carbon footprint reduction and climate strategy was also considered with the support of Anthesis Lavola. The results of this project were shared with the entire workforce.

AND IN 2024 WHAT DO WE DO?

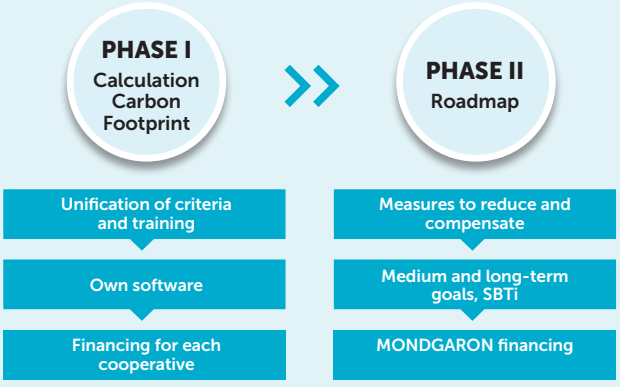
1. Carbon footprint calculation and decarbonization plan.

2. Priority SDGs for LORTEK's activity and LORTEK's contribution to each of them.

AND HOW DO WE DO IT?

OVERALL VIEW OF SUSTAINABILITY AND ENVIRONMENT:

Carbon footprint calculation + decarbonization strategy



1. **Carbon footprint calculation** (including scope 3 and overall perimeter) with support from Ondoan and IK Ingeniería.
2. Draw up **roadmaps for carbon footprint reduction** and climate strategies, with support from Anthesis Lavola.

Furthermore, the carbon footprint of the manufacture of 25 test items was calculated, considering the complete product life cycle and with a cradle-to-grave, cradle-to-door and door-to-door scope, based on the standards ISO 14067, 14040 and 14044. Consumption per functional unit (1 test item) of raw material, transport and overall production (waste, electricity, transport, etc) was calculated. The data was included in an inventory and was analysed with ONDOAN.

The results of this analysis will enable LORTEK to learn the impact and footprint of carbon in an additive manufacturing process and compare it with other test item manufacturing processes, a core activity of the centre for the characterization of material and joins.

To reduce impact, LORTEK has also begin a process of gradual replacement of lighting by LED and has carried out an economic analysis of the installation of photovoltaic panels at its facilities to reduce consumption from non-renewable sources.

LORTEK also encourages the use of public means of transport, healthy and non-polluting means (bicycles, micro-mobility system, etc), private shared means of transport and private non-polluting ones.