LOCALISED

Best Practices Factsheets of Businesses on their Transition to Decarbonisation and Climate Resilience

ÖGUT

The LOCALISED project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036458.

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Introduction

Advancing decarbonisation and enhancing climate resilience in businesses remains a key strategic priority across Europe. As part of this effort, the LOCALISED project aims, among others, to support regional businesses in navigating decarbonisation pathways by offering practical examples of best practices. Sharing good practices plays a key role in raising awareness and motivating action among businesses. Successful businesses can act as role models, showing that positive outcomes are achievable even within common constraints. Seeing peers benefit from sustainable changes can lower perceived risks and boost confidence in acting. Additionally, learning from others' experiences offers practical proof of what works, helps avoid common pitfalls, saves time and resources, and builds trust in the effectiveness of decarbonisation and resilience measures.

Thus, regional business best practices to become climate neutral and resilient in the manufacturing, agricultural and transportation sectors were identified in the frame of the project. The sources trailed include established awards as well as exemplary initiatives and funded projects. A total of 60 businesses were identified and are illustrated in this compilation of factsheets, mainly across Austria, Spain and Italy, with each business showcasing a distinct set of good practices. For these businesses, the regional level of mitigation risk and the regional adaptation risk were determined on a NUTS-2 level regarding their transition to decarbonisation and resilience. The best practices were also linked with corresponding physical risks and transition barriers they addressed, illustrating how these businesses with their practices managed successfully to face and/or overcome them.

More detailed guidance and insights on risks and transition barriers linked to decarbonisation and resilience of businesses, including the drivers and motivations, impacts and synergies, as well as trade-offs of implementing adaptation and mitigation actions are available on the report on business best practices (LOCALISED Deliverable 7.4).

The factsheets are also available at the LOCALISED Net-Zero Business Consultant for local and regional businesses and business organisations, an interactive online tool designed to communicate with end-users from the business sector and provide them with insights into effective mitigation and adaptation options.

ICON KEY

SECTOR

AGRICULTURE

MANUFACTURING

TRANSPORTATION

BARRIERS ADRESSED

EXTREME WEATHER EVENTS

FINANCIAL

DEPENDENCE ON FOSSIL FUELS & THE AVAILABILITY OF ALTERNATIVE SOURCES

TECHNOLOGIES

DEPENDENCE ON NATURAL RESOURCES

LABOR

POLICY

VALUE CHAIN

LOCALISED

CIRCULAR WINE PRODUCTION ROOTED IN RURAL RESILIENCE

SECTOR

Bodegas Robles is a family-owned winery in Montilla, Córdoba, with a long tradition in organic viticulture. The company integrates sustainability across its production process and circular economy by actively reducing packaging, promoting environmentally responsible farming methods, and running on renewable energy sources. Their operations include closed-loop practices such as recycling and composting, aiming to reduce waste and lower overall environmental impact. Beyond environmental strategies, Bodegas Robles plays an important socio-economic role in the rural community by providing stable employment and contributing to the local economy.

COMPANY

BODEGAS ROBLES

COUNTRY

REGION

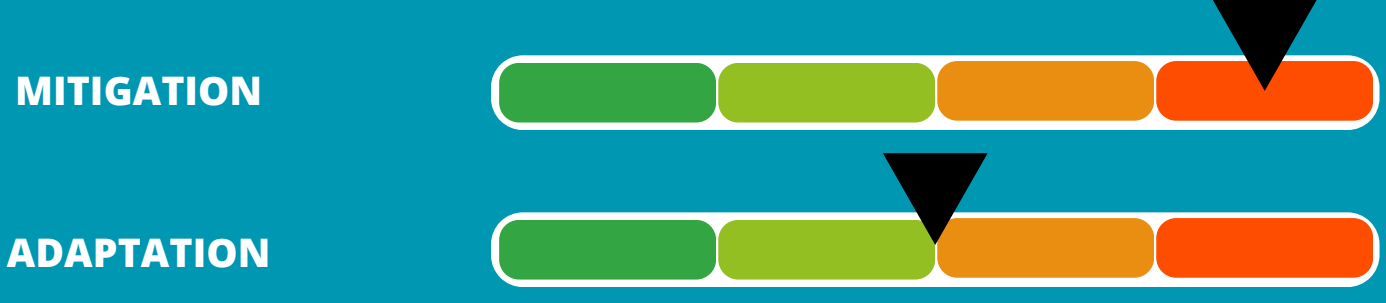
ANDALUSIA

AWARD

BBVA AWARDS 2024

KEY PRACTICES

REGIONAL RISK



ORGANIC FARMING WITH A STRONG FOCUS ON SUSTAINABILITY AND COMMUNITY

SECTOR

Since 2008, Biolitoral has been producing organic food, primarily zucchini, and working alongside over 200 local farmers. The company places a strong emphasis on biodiversity protection, as well as reducing its environmental impact by optimising water and energy use and tackling climate change. Biolitoral calculates its carbon footprint annually and has devised a reduction plan to achieve carbon neutrality by 2050. While striving to reduce emissions, the company also offsets the emissions it cannot eliminate by supporting reforestation projects in the Sierra de Gredos. Additionally, Biolitoral has installed photovoltaic panels on its facility rooftops, which meet 80% of its energy demand, and has incorporated energy-saving measures such as LED lighting, renewable energy procurement, and the use of electric vehicles. In its efforts to minimise waste, Biolitoral uses recycled bottles and has implemented waste management practices to reduce food waste, donating surpluses to food banks and partnering with local companies for product canning. The company also conducts landscape audits for its producers and carries out conservation and soil health improvement plans. Biolitoral is dedicated to supporting vulnerable communities through job creation, providing training budgets to enhance workers' skills, and contributing to various local associations.

COMPANY

BIOLITORAL

COUNTRY

REGION

ANDALUSIA

AWARD

BBVA AWARDS 2022

KEY PRACTICES

REGIONAL RISK

MITIGATION

ADAPTATION

For more information click here!

REGENERATIVE FARMING FOR SOIL AND COMMUNITY

SECTOR

Almendrehesa is a cooperative of 21 farmers focused on producing organic almonds through regenerative agriculture since 2016. The company aims to restore the soil and landscape while promoting sustainable farming practices in an area characterised by aridity and high erosion. Their approach combines the cultivation of rain-fed almond trees with other crops such as olives, vines, cereals, and aromatic herbs. The company has implemented several sustainability and decarbonisation strategies, including ecological and regenerative farming practices that enhance soil health and biodiversity. Almendrehesa uses hedges, vegetation cover, mulching, beekeeping, and sustainable grazing among other strategies to improve the environmental balance of the area and mitigate the effects of climate change. In terms of social impact, Almendrehesa supports fair working conditions for its employees and fosters social cohesion. They also contribute to cultural and educational development in the local community, aiming to improve the quality of life and combat rural depopulation.

COMPANY

ALMENDREHESA

COUNTRY

REGION

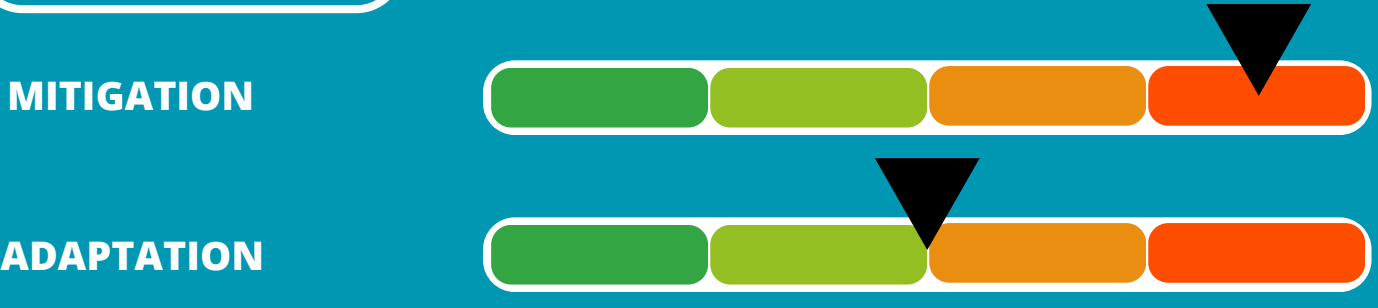
ANDALUSIA

AWARD

BBVA AWARDS 2021

KEY PRACTICES

REGIONAL RISK



For more information click here!

LOCALISED

RENEWABLE ENERGY AND LOW-IMPACT FARMING FOR LOCAL MINI-KIWI PRODUCTION

SECTOR

Terramor is a small-scale agricultural venture based in Sisiello, Gijón, and the only farm in Spain dedicated to the commercial production of mini-kiwis, or “kiwinos”, since 2016. The farm runs on solar power and features a windmill constructed with reused materials, incorporating a ‘furling’ mechanism that powers an irrigation pump. This system enables an estimated 50% reduction in water consumption. Pollination is carried out naturally through hives from local beekeepers, reinforcing ecological farming practices and supporting local biodiversity. Packaging is entirely plastic-free, and sales are prioritised through short distribution channels to minimise emissions. Terramor is also involved in several rural development initiatives and belongs to the Association of Women Farmers of Asturias. Their commitment to sustainable agriculture and rural resilience was recognised with an award in the 2024 BBVA Sustainable Producers programme.

COMPANY

TERRAMOR FARM

COUNTRY

REGION

ASTURIAS

AWARD

BBVA AWARDS 2024

KEY PRACTICES

REGIONAL RISK

LOCALISED

ORGANIC DAIRY PRODUCTION WITH SUSTAINABLE PRACTICES

SECTOR

Cantero de Letur is an organic dairy company that integrates ecological farming and livestock practices - while prioritising animal welfare, soil health, and the reduction of environmental impacts throughout its production processes. The company avoids chemical fertilisers, pesticides, and GMOs, focusing instead on ecological animal feed, which contains at least 50% forage. The farming practices aim to promote sustainability while maintaining animal welfare standards. Cantero de Letur also integrates renewable energy into its operations, with around 30% of its energy needs met through on-site solar photovoltaic installations. Water management is another key aspect of the company's sustainability efforts. Cantero de Letur uses rainwater harvesting systems, ecolagoons for wastewater treatment, and reuses water extensively in its production processes. The company also utilises recyclable glass bottles and FSC-certified recycled cardboard for packaging, contributing to waste reduction and circular economy practices. In terms of social responsibility, the company implements policies that promote gender equality, work-life balance, and permanent employment. Cantero de Letur also participates in initiatives aimed at combating rural depopulation, such as the Letur Repuebla project, which provides affordable housing and coworking spaces.

COMPANY

CANTERO DE LETUR

COUNTRY

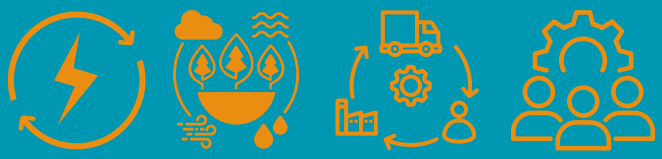
REGION

CASTILE AND LA MANCHA

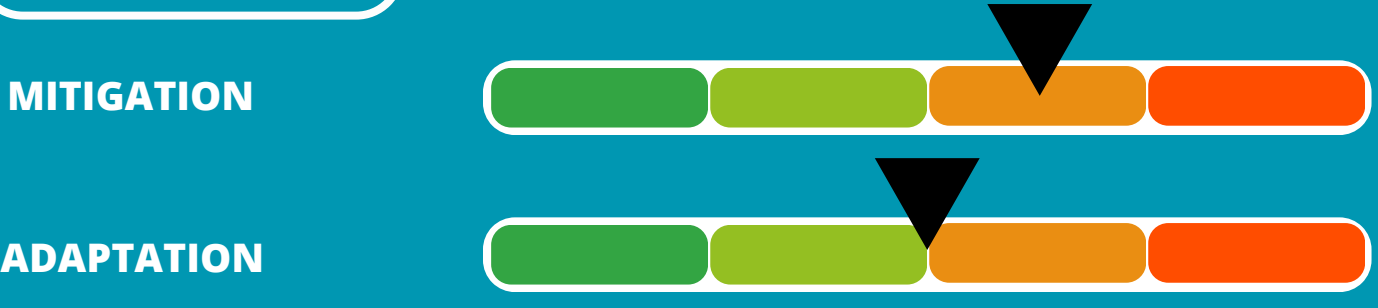
AWARD

BBVA AWARDS 2022

KEY PRACTICES



REGIONAL RISK



For more information click here!

SUSTAINABLE OLIVE OIL PRODUCTION WITH FOCUS ON THE SDGS

SECTOR

Aceites García de la Cruz has aligned its operational strategy with the United Nations' SDGs. The company has expanded its organic farming practices, eliminating chemical fertilisers and pesticides, and using environmentally respectful techniques to improve soil health. The company has also invested in a composting plant that transforms organic waste into nutrient-rich fertiliser, which enhances soil quality and reduces dependency on external inputs. In terms of water management, Aceites García de la Cruz has implemented drip irrigation systems, optimising water usage and minimising waste. For energy sustainability, the company has focused on renewable energy procurement, including solar panels and biomass, alongside the introduction of energy-efficient equipment and processes to reduce consumption and minimise its carbon footprint. Packaging is another area where the company promotes sustainability, using recyclable materials to reduce waste. Aceites García de la Cruz has established partnerships with universities and research institutes, promoting collaboration and fostering innovation in sustainability and agricultural practices. The company aims to integrate sustainability into all aspects of its operations while contributing to broader environmental and social goals.

COMPANY

ACEITES GARCIA DE LA CRUZ

COUNTRY

REGION

CASTILE AND LA MANCHA

AWARD

BBVA AWARDS 2021

KEY PRACTICES

REGIONAL RISK

MITIGATION

ADAPTATION

For more information click here!

SUSTAINABLE DAIRY FARMING WITH A FOCUS ON LOCAL ECOSYSTEMS

SECTOR

Beato de Tábara is a family-run farm producing organic dairy products, specialising in cheese made from the milk of their own goats. The farm follows traditional farming practices, where the animals graze on natural pastures, including grasses, legumes, and shrubs, as well as organic forage and cereals from nearby local farmers. Sustainability is embedded in their operations, with the farm employing passive cooling systems and natural watering troughs to optimise water use. Additionally, they recycle manure as fertiliser for their crops, contributing to a circular farming model. The whey from their cheese production is used as supplementary feed for the animals, reducing waste and closing the nutrient loop. Beato de Tábara also prioritises supporting the rural community by sourcing locally and promoting local markets for their products.

COMPANY

AT BEATO DE TÁBARA

COUNTRY

REGION

CASTILE AND LEÓN

AWARD

BBVA AWARDS 2024

KEY PRACTICES

REGIONAL RISK

LOCALISED

AGROSUSTAINABILITY CERTIFICATION TO PROMOTE SUSTAINABLE PRACTICES IN FRUIT PRODUCTION

SECTOR

Organic Citrus is a Spanish company specialising in organic fruit production and distribution. In collaboration with AENOR, the company developed an agrosustainability certification to establish environmentally responsible cultivation standards, promoting soil fertility and biodiversity. The company also employs circular economy strategies, such as reusing by-products, efficient waste management, and sustainable packaging solutions, while also working to reduce food loss. In terms of farming practices, Organic Citrus enriches the soil to enhance its biological richness and uses biological pest control, such as the application of pheromones in citrus crops, developed with the University of Valencia. Organic Citrus calculates its carbon footprint and has set a goal to reduce its emissions by 40% by 2030. On the water management front, the company uses self-compensating and anti-drainage intelligent irrigation systems, reducing water consumption by 30%. In addition to its environmental efforts, Organic Citrus is committed to promoting well-being and quality employment while maintaining an active role in community outreach, reflecting its broader overall impact in the local community.

COMPANY

ORGANIC CITRUS

COUNTRY

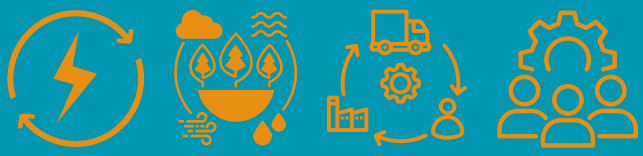
REGION

VALENCIA

AWARD

BBVA AWARDS 2022

KEY PRACTICES



REGIONAL RISK

For more information click here!

LOCALISED

REVIVING SOILS TO CAPTURE CO_2

SECTOR

Life Carbon Farming Scheme project, Cà Colonna is the pilot farm for the study of carbon capture in agricultural soils. Carbon farming concerns practices or processes carried out over an activity period of at least five years. The starting context is quite critical: for more than 15 years there has been an average loss of 1% of total productivity in Italy caused by the combination of increasing pressure from extreme climatic factors and the availability of increasingly less fertile soils due to a lack of organic matter. Organic carbon and soil biodiversity therefore play a crucial role in producing ecosystem services by efficiently capturing carbon dioxide (CO2) and releasing oxygen (O2): in order to do agricultural work, soil must be 'alive'.

COMPANY

CÀ COLONNA SOCIETÀ AGRICOLA

COUNTRY

REGION

EMILIA ROMAGNA

AWARD

RESPONSIBLE INNOVATORS AWARD 2024

KEY PRACTICES

REGIONAL RISK

ORGANIC PASTA FROM MARCHE

SECTOR

Located in the Marche region of Italy, this cooperative specialises in the production of organic pasta, carrying out the mission of its founder, Gino Girolomoni. With 80 hectares of organic farmland and plants powered by renewable energy, it produces 9 million tonnes of pasta per year, supporting over 300 farmers and 60 local workers.

COMPANY

GINO GIROLOMONI COOPERATIVA AGRICOLA

COUNTRY

REGION

MARCHE

AWARD

EU ORGANIC AWARDS 2024

KEY PRACTICES

REGIONAL RISK

MITIGATION

ADAPTATION

TECH-DRIVEN SUSTAINABILITY IN FLOWER FARMING

SECTOR

With increasing water scarcity and the overuse of pesticides and chemical fertilisers, it is becoming increasingly necessary to adopt more sustainable methods of growing flowers. Indoor growing, water recycling and biological pest control are just some of the methods that can help reduce the industry's ecological footprint. It is in this context of challenges that Bloom LABS, a start-up whose mission is to transform the flower market through the use of innovative technologies involving the creation of real (fully autonomous) laboratories for the cultivation of flowers by means of indoor farming and vertical farming techniques, is situated.

COMPANY

BLOOM LABS

COUNTRY

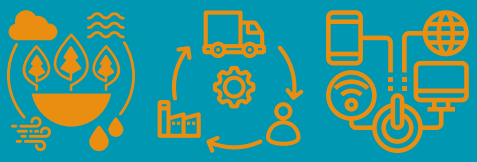
REGION

SARDEGNA

AWARD

START CUP SARDINIA 2023

KEY PRACTICES



REGIONAL RISK

LOCALISED

SMART IRRIGATION FOR SUSTAINABLE FARMING

SECTOR

Lisygrow by Simone La Malfa/Clevergrow is the winner for the ‘Agribusiness’ field of the Innovation Award Sicily 2024. It is an automated irrigation system for soilless crops, designed to optimise the consumption of water and energy resources and improve agricultural productivity. It uses the plant itself as an intelligent sensor, adjusting irrigation in real time according to actual water needs, without the need for manual intervention. The solution aims to reduce resource wastage and increase yields, contributing to the sustainability of agriculture. CleverGrow's Lisygrow represents a major innovation in precision farming, with a fully automated irrigation system that promises efficiency and environmental sustainability. The project is well designed and structured to have a positive impact on the agricultural sector, but will require continued investment to fully achieve the potential for global scalability and maintain a competitive advantage in the market.

COMPANY

LISYGROW

COUNTRY

REGION

SICILIA

AWARD

INNOVATION AWARD
SICILY 2024

KEY PRACTICES

REGIONAL RISK

MITIGATION

ADAPTATION

LOCALISED

AGROECOLOGY IN ACTION

SECTOR

In the Tuscan Metalliferous Hills district, a project was implemented to associate production, processing and marketing companies of agricultural products, also involving the world of research, training, to promote, support and disseminate organic farming and agro-ecology, quality local production, short supply chain consumption, the protection of biodiversity, and the sustainable enhancement of the territory. Involving in particular 35 farmers and 8 processors, this project, thanks to an innovative integrated territorial action, has achieved significant environmental good economic results and the dissemination of good practices.

COMPANY

IL DRAGO APS

COUNTRY

REGION

TOSCANA

AWARD

SUSTAINABLE DEVELOPMENT AWARD 2023

KEY PRACTICES

REGIONAL RISK

MITIGATION

ADAPTATION

THE POSITIVE CYCLE OF KÄRNTNERMILCH

SECTOR

Kärntnermilch focuses on modern technologies and energy efficiency. For example, in 2023 the company, together with Kelag, installed a photovoltaic system with a total of 2,986 modules on its premises which now generates over 1,300,000 kWh of electricity annually, corresponding to the needs of around 370 households and covers approximately 13 percent of the company's electricity requirements. To completely replace the gas demand, work is currently underway on a biomass power plant.The dairy is supplied with fresh milk everyday from 980 farmers from across Carinthia. Milk suppliers are treated with solidarity as they receive the same milk price, regardless of the delivery volume and distance from the dairy that strengthens regional supply and reduction of transportation routes.

COMPANY

KÄRNTNERMILCH

COUNTRY

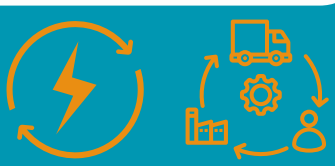
REGION

CARINTHIA

AWARD

TRIGOS 2024

KEY PRACTICES



REGIONAL RISK

MITIGATION

ADAPTATION

RENEWABLES IN THE PRODUCTION PROCESS - PV SYSTEM

SECTOR

Due to its remote location, the Dorner family farm has always relied on local energy and raw material supplies, and energy and resource self-sufficiency is a declared goal. Through EMAS certification, the company has an integrated energy management system. The transition to renewable energies began in 2001 with the construction of a 400 kW wood chip system and continued with the continuous expansion of the photovoltaic system to its current output of 1,100 kWp. In addition, work has been underway on the construction of a wind farm since 2010. The company is energy self-sufficient and feeds the surplus produced into the public grid, supplying 580 households with solar power. However, due to the current lack of storage, electricity had to be purchased at night and in winter. The award winning measures include a new photovoltaic system with an output of 557 kWp that produces an additional 641,000 kWh of electricity per year. All of this is fed into the public energy grid and will be used in a renewable energy community in the future. The ground-mounted system was erected on an unusable site with a slope of more than 30°. Anchoring it to the ground was a considerable challenge in order to generate PV electricity on a permanent basis in the strong winds and snow loads on the slope. The PV system was supplemented by a storage system with a capacity of 525 kWh and a maximum charging/discharging capacity of 206 kW.

COMPANY

FRANZ DORNER & PARTNER

COUNTRY

REGION

CARINTHIA

AWARD

KLIMAAKTIV GOOD PRACTICE 2022

KEY PRACTICES

REGIONAL RISK

MITIGATION

ADAPTATION

ENVIRONMENTALLY FRIENDLY MANAGEMENT AT MIEDERING-HOF

SECTOR

A focus of the Miedering farm is reducing environmental pollution. The farm relies on modern technologies: a stationary feed mixer discharges the shredded feed through a discharge chute in the barn ceiling directly onto an electrically operated conveyor belt, which allows the feeding of the cattle to be optimized. The resulting reduction in tractor use leads to savings of up to 1,600 liters of fuel per feeding period and helps to significantly reduce CO2, nitrogen and particulate emissions. The farm also invested in renewable energy sources to supply these facilities and the entire farm. A small hydroelectric power plant, which uses the old mill, supplies the farm with electrical energy, with the surplus being fed into the public grid. The integration of PV modules on the roofs of the existing buildings with an output of up to 140 kilowatts and a charging station for electric vehicles will further optimize the use of clean, self-generated electricity. By using the conveyor belt and the e-charging station alone, the Miedering-Hof can save over 19 tons of CO2 every year. The farm also demonstrates exemplary commitment to the ecological diversity of watercourses. By installing a fish ladder and converting the diversion power plant into a weir power plant, significant improvements to the water ecology have been achieved without compromising electricity generation. To promote animal welfare, the farm also relies on breeding genetically hornless Limousin cattle to spare the animals from subsequent dehorning.

COMPANY

MIEDERING-HOF

COUNTRY

REGION

SALZBURG

AWARD

KLIMAAKTIV GOOD PRACTICE

KEY PRACTICES

REGIONAL RISK

LOCALISED

NEXT-GEN FARMING – ORGANIC GREENHOUSE OF THE FUTURE

SECTOR

The company founder's vision was to grow vegetables that taste delicious and don't harm the environment. This motivation, coupled with the realization that resources must be used more carefully to preserve the planet's livable habitat for future generations, led to the company's founding in 2013. In Austria, self-sufficiency in organic fruit and vegetables is very low, so these products often have to be imported from distant countries. This situation led to the search for a suitable location in Austria. Geinberg in the Innviertel region offered optimal conditions. An existing geothermal source and the return flow of the local district heating network made it possible to supply the greenhouse with CO2-free heat. Average annual rainfall allowed for irrigation water without the use of precious drinking water which saves over 100 million liters of drinking water every year. The particularly fertile soil provided the basis for good yields and the highest quality. Furthermore, the products are packaged plastic-free and sold exclusively in Austria which strengthens regional supply and reduces transport routes.

COMPANY

BIOHOF GEINBERG

COUNTRY

REGION

UPPER AUSTRIA

AWARD

TRIGOS 2024
(NOMINATED)

KEY PRACTICES

REGIONAL RISK

RAISING THE CHICKS ON OUR OWN FARM WAS THE GAME CHANGER

SECTOR

Located in Königswiesen, the farm produces 40,000 free-range and barn eggs daily with a small team and is Austria's only producer of AMA-certified pasta. This family-run agricultural operation follows a fully integrated circular system—from chick to laying hen, from egg production to on-site processing. Eggs that are too small, too large, or have thin shells and therefore aren't suitable for sale are turned into pasta directly on the farm. Nearly all production steps take place on the energy self-sufficient farm. Only chicken feed, spelt flour, and durum semolina for the pasta and the chicks are sourced externally. The farm covers its considerable energy needs—particularly for raising hens and drying pasta—using its own photovoltaic systems and a biogas plant. The farm is currently also electrifying its entire vehicle fleet. An electric truck with a trailer will be in use, covering all feed and product deliveries completely emission-free. This includes up to three truckloads per week, carrying 50 to 60 tons of feed, and all deliveries to both large central food warehouses and small retailers. A publicly accessible fast-charging station has also been installed on-site and is already seeing regular use. Looking ahead, the farm plans to modernize its biogas plant, which dates back to the 1990s and is now outdated and undersized. If all goes well, a new, state-of-the-art facility will be operational next year.

COMPANY

HOLZMANN TEIGWAREN

COUNTRY

REGION

UPPER AUSTRIA

AWARD

OÖ AGRARPREIS 2025

KEY PRACTICES

REGIONAL RISK

LOCALISED

FROM JUICE TO ZERO WASTE

SECTOR

García-Carrión is a family-owned company dedicated to the production and distribution of wines, juices, and other beverages. In recent years, it has adopted several operational strategies to reduce its environmental footprint across its supply chain. The company has invested in photovoltaic systems at multiple facilities, reducing its dependence on conventional energy sources. It has also prioritised water efficiency and implemented circular economy practices, particularly through the valorisation of organic waste. By-products such as orange peels are repurposed into essential oils, fragrances, or animal feed pellets, enhancing the sustainability of its operations. In terms of product innovation, García-Carrión has applied eco-design principles to reduce the environmental impact of its packaging. This includes lighter glass bottles and the introduction of the first aseptic brick container without aluminium. The company has also transitioned to juice bottles made entirely from post-consumer rPET, with fully recyclable caps and labels. These design changes have contributed to a measurable decrease in carbon emissions. García-Carrión also maintains long-term collaborations with over 40,000 local farmers, promoting rural development alongside its environmental initiatives.

COMPANY

GARCIA-CARRIÓN

COUNTRY

REGION

ANDALUSIA, CATALONIA, CASTILLA AND LEON, LA RIOJA, CASTILLA LA MANCHA, MURCIA, VALENCIA

AWARD

FACTORIES OF THE FUTURE AWARDS 2024

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

OPERATIONAL SUSTAINABILITY THROUGH INNOVATIVE COOLING SOLUTIONS

SECTOR

Cooling Photonics is a company founded in 2020 that specialises in passive cooling solutions. The company is committed to operational sustainability through its focus on energy-efficient solutions and strategic partnerships. By developing an operational model centred around passive cooling technologies, they eliminate the need for energy-intensive systems. Using photonics and nanotechnology, they can cool surfaces without energy consumption, reducing the overall carbon footprint of operations. In addition, their products are designed with longevity and reliability in mind, ensuring that the equipment they protect lasts longer, which in turn reduces maintenance costs and the need for replacement parts. This approach aligns with the company's sustainability goals by reducing resource consumption and waste. The innovative passive cooling solutions, such as CoolPly and Solar Film, are designed to extract and reflect heat, therefore enabling surfaces to cool up to 10ºC without the use of active systems, therefore contributing to reducing carbon emissions and increasing efficiency.

COMPANY

COOLING PHOTONICS

COUNTRY

REGION

CATALONIA

AWARD

BBVA SUSTAINABLE ENTERPRICE AWARD 2024

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

SUSTAINABLE TEXTILE TRANSFORMATION. FROM THREAD TO FOOTPRINT

SECTOR

The textile manufacturingcompany has implemented a range of environmental initiatives, including the procurement of certified renewable energy, the installation of solar panels at its facilities, and the integration of ISO 14001 environmental management standards. Additionally, all products are made on demand using eco-design principles and recycled materials—specifically, 30% of polyester yarn from post-consumer rPET bottles. Their production process is entirely local, encompassing everything from design to packaging, which supports the local economy and minimises transportation emissions. Their fabrication saves 58% in electricity, 55% in water and 40% in soap compared with a traditional cotton towel. The carbon footprint is 2,70 kg Co2eq/towel, which is 76% less emissions than a conventional cotton towel. On the social and innovation front, ARPE holds a B Corp certification with a high score of 94, reflecting its strong performance in governance, labor practices, community impact, environmental stewardship, and customer care. The company fosters collaborative management, ensures fair working conditions, and actively contributes to local job creation. ARPE is also certified by “Real Sustainable Fashion” and the “Global Recycled Standard,” and uses OEKO-TEX-certified inks to avoid harmful substances.

COMPANY

ARPE

COUNTRY

REGION

CATALONIA

AWARD

PSI SUSTAINABILITY AWARD 2021

BARRIERS ADRESSED

REGIONAL RISK

LOCALISED

FROM BIOMASS TO BIOPLASTICS. INNOVATION IN SUSTAINABLE MATERIALS

SECTOR

Bioengineering company founded in 2017 in Barcelona, specialised in high-tech biomaterials and bioplastics with a focus on sustainability and innovation. The company has established a pilot production plant at the Barcelona Science Park, enabling the industrial-scale manufacture of its bioplastics. This facility supports the company's mission to assist other businesses in reducing CO_2 emissions and integrating sustainable materials and processes into their production models. DANNA's operations are grounded in green chemistry, molecular technology, and artificial intelligence, focusing on transforming organic waste into bioplastics and biomaterials. In 2023, the company received a global patent for PLH, a biobased copolyester that serves as an eco-friendly alternative to traditional plastics. PLH is derived from renewable sources and offers controlled biodegradation, reducing CO_2 emissions by 75% compared to conventional plastics and preventing microplastic pollution by enriching soil microbiota. DANNA employs a multidisciplinary approach, integrating molecular engineering, green chemistry, and digital tools to create tailored biomaterials for various sectors, including agriculture, health, and electronics. Their biomaterials, such as biodegradable mulching films and controlled-release fertiliser systems, promote sustainable practices.

COMPANY

DAN*NA

COUNTRY

REGION

CATALONIA

AWARD

IMPACT BUSINESS AWARD BY THE SHIP2B FOUNDATION

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

FROM FRYING PAN TO FOOTWEAR: DOW'S BIOBASED ELASTOMERS REINVENT SHOE SOLES

SECTOR

Dow Iberica is a Spanish subsidiary of Dow Inc., specialised in advanced materials, particularly in the development and production of polyolefin elastomers and other high-performance materials. The company focuses on integrating renewable raw materials into its production processes, exemplified by the development of ENGAGE™ REN Polyolefin Elastomers. These elastomers are produced using a biocircular process that utilizes renewable resources such as used cooking oil and corn pomace. This approach not only reduces the carbon footprint of the production process but also aligns with Dow's broader commitment to sustainability and circular economy principles. ENGAGE™ REN elastomers are designed to offer high flexibility, durability, and performance for various applications. These materials are useful in sectors like automotive, packaging, and footwear. In the footwear industry, ENGAGE™ REN has been integrated into the production of sustainable shoes, where it is used in the soles and other parts of the shoe, replacing traditional synthetic rubber with a low-carbon biobased alternative. This product innovation reflects Dow Ibérica's dedication to reducing environmental impact while maintaining high-performance standards in its materials.

COMPANY

DOW

COUNTRY

REGION

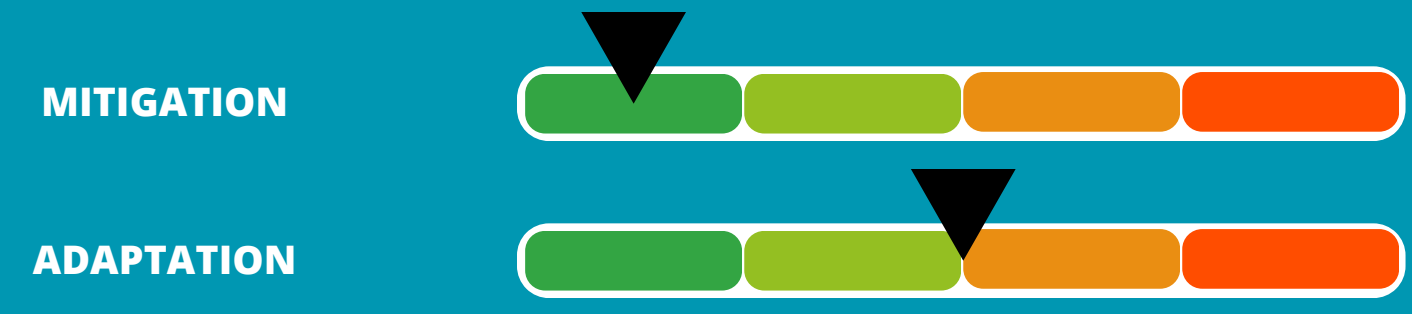
CATALONIA & NAVARRA

AWARD

LOS PREMIOS SOSTENIBILIDAD 2024

BARRIERS ADRESSED

REGIONAL RISK



For more information click here!

CIRCULAR INNOVATION IN BEVERAGE PACKAGING

SECTOR

AMC Global is a company specialised in the production, distribution, and marketing of natural beverages, including refrigerated fruit juices, smoothies, gazpachos, and bioactive shots. The company has implemented a comprehensive sustainability strategy that encompasses various operational initiatives aimed at reducing its environmental footprint. Operationally, AMC Global has invested in renewable energy sources, such as wind and hydroelectric power, to power its facilities. The company has also implemented anaerobic digestion processes to generate biogas from organic waste, contributing to a projected 30–40% reduction in CO_2 emissions in the coming years. In terms of packaging, AMC Global has integrated eco-design principles to ensure 100% recyclability and the incorporation of up to 52% recycled plastic in its bottles. The company was also part of the EU-funded LIFE CITRUSPACK research project, which aimed to create packaging from orange peels, resulting in a 100% compostable biobottle made from orange peel, corn starch, and potato starch.

COMPANY

AMC GLOBAL

COUNTRY

REGION

MURCIA

AWARD

PREMIOS ESG INDUSTRIA 2025

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

TRACKING SUSTAINABILITY

SECTOR

Soltec is a Spanish company fundedn in 2004 specialising in the development and supply of photovoltaic tracking systems. The company is committed to achieving carbon neutrality by 2050, focusing on emission reduction, circular economy principles, and responsible resource management. Operational strategies include the exclusive use of 100% renewable energy in its Spanish offices and the implementation of energy efficiency measures, such as transitioning to electric forklifts and reducing propane consumption, leading to a decrease in greenhouse gas emissions. Soltec's sustainability efforts extend to its supply chain through the Solhub solution, which delivers tracker components directly to project sites, minimising intermediary transport and associated emissions. The company also prioritises local hiring and sourcing, supporting socio-economic development in the communities where it operates. In terms of products the company has developed solar tracking technologies and optimisation systems for solar plants, with significant investment in R&D projects to lead the transition toward cleaner energy sources. Additionally, the company supports the socio-economic development of local communities where it operates by prioritising local hiring and suppliers and promoting educational and cultural initiatives through its foundation.

COMPANY

SOLTEC

COUNTRY

REGION

MURCIA & MADRID

AWARD

PREMIOS ESG INDUSTRIA 2024

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

RESPONSIBLE ENERGY SUPPLY AND PRODUCT INNOVATIONS

SECTOR

EDELRID, founded in 1863, is a German manufacturer of climbing, outdoor, and industrial safety equipment. Its core product is the kernmantle rope. At its headquarters in Isny, EDELRID produces a wide range of ropes made from various materials. The product portfolio also includes harnesses, helmets, crampons, and backpacks. The company's in-depth expertise enables responsible product innovation, supported by extensive in-house research, including a four-story climbing wall used for testing and development. Examples of sustainable innovations include PFAS-free ropes, ropes made from bio-based plastics (e.g. castor oil), ropes made from yarn remnants and recyclates, and carabiners with steel inserts for increased durability. EDELRID conducts exceptionally detailed life cycle assessments of its product portfolio and actively promotes collaboration and knowledge sharing to support competitors in adopting sustainable practices. For responsible energy use, the company relies on photovoltaics and waste heat. Heat from production is used to warm the office buildings, and cooling is provided via two wells.

COMPANY

EDELRID

COUNTRY

REGION

BADEN-WÜRTTEMBERG

AWARD

UMWELTPREIS FÜR UNTERNEHMEN BADEN-WÜRTTEMBERG

BARRIERS ADRESSED

REGIONAL RISK

LOCALISED

REDUCTION IN ENERGY CONSUMPTION

SECTOR

Compressed air systems, wood chip extraction, workshop heating - there are many aspects to carpentry that consume energy. The best way to save costs is to be independent in energy supply. Georg Brückner has created a wood residue recycling system that allows his company to have independent heating, which is virtually cost-free. The electricity for the automation of the recycling system comes from photovoltaics on the roof of his garage. To supply his business with heat throughout the year, he only needs about 40 percent of his waste wood. He has so much waste wood that he will soon be supplying his neighbour - a bicycle repair shop - as well. Today, Georg Brückner's Innenbau & Design GmbH earns money both with the future heat cooperation and with the residual wood. The wood is sent on to a chipboard factory for material recycling.

COMPANY

INNENBAU & DESIGN

COUNTRY

REGION

SAXONY

AWARD

BEST PRACTICES FOR SMES IN THE ENERGY TRANSITION

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

LOCALISED

ULTRASONIC CAMERA USE FOR IDENTIFYING SUSPECTED LEAKS

SECTOR

The Gilles Tooling company produces various attachments for the motorcycle industry. The company has examined its compressed air supply and concluded that there is considerable potential for energy savings. The analysis showed that the continuous expansion of the production has led to a very complex compressed air network, which regularly incurs losses through leaks. Following research, a conclusion was reached that an ultrasonic camera would be the appropriate solution. The device is easy to operate and allows the compressed air network to be inspected while the machines are running. The ultrasonic camera is used for both suspected leaks as well as regular maintenance of the compressed air supply. For the acquisition of the device, which amounted to a four-digit sum, they were able to draw on the financial support of the “SME Package – Sustainability” programme. According to the company’s internal calculations, the cost of one cubic metre (1 m3) of compressed air is about 3.38 cents. At a network pressure of 8 bar, approximately 4.5 m3/h (15.21 cents) would leak from a breach of 1 mm in diameter. Based on the company’s experience and on the leaks that have already been detected and repaired, this results in an estimated loss of 100 m3/h. This leads to losses of 3.38 €/h and a total of around 30,000 € over an entire year, all of which will be saved once all leaks are detected and repaired.

COMPANY

GILLES TOOLING

COUNTRY

REGION

LUXEMBURG AREA

AWARD

BEST PRACTICES FOR SMES IN THE ENERGY TRANSITION

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

ENVIRONMENTALLY FRIENDLY ALTERNATIVE TO SINGLE-USE PACKAGING

SECTOR

Single-use packaging is almost always made of plastic, very often polystyrene, and is a major contributor to microplastics that severely damage our environment. The Czech company Myco has developed an environmentally friendly alternative. Myco uses natural materials consisting of fungal mycelium combined with agricultural and wood-processing waste. The production material, mycelium, naturally decomposes after use under the influence of moisture, leaving behind no harmful substances in nature. The material used is also highly suitable as fertilizer. Due to its similar structure, moldability, elasticity, and strength compared to expanded polystyrene, Myco's material is an ideal substitute. It can also be used to manufacture boxes and packaging containers.

COMPANY

MYCO

COUNTRY

REGION

MORAVIAN REGION

AWARD

ENERGY GLOBE AWARD

BARRIERS ADRESSED

REGIONAL RISK

BIOGENIC PROCESS STEAM GENERATION

SECTOR

For Berglandmilch, the resource-saving use of energy is an important concern. In addition to economic aspects, the careful and economical use of all energy sources is part of the corporate culture. This applies to the entire value chain and is practiced above all in the plants. They are therefore constantly working on optimization measures in the area of process systems and media supply. To increase energy efficiency, heat recovery systems have been installed in recent years in particular, which are constantly monitored and improved. Before the biogenic process steam generation measure was introduced, steam was generated entirely using two natural gas-fired steam boilers and the amount of gas consumed depended on production. The operating hours were 8,760 hours, as production takes place all year round. The investment comprised the installation of a wood chip heating system with a nominal output of 3,800 kW, which is located in a new plant building constructed at the existing dairy site. The plant building houses a raw material storage for the required wood chips. The biomass plant needs to be integrated into the existing process steam system. The fuel requirement will be covered predominantly (at least 80 percent) by wood chips of regional origin. The measure serves to promote energy sources from renewable raw materials and is to be implemented in the interests of climate-friendly production.

COMPANY

BERGLANDMILCH

COUNTRY

REGION

LOWER AUSTRIA

AWARD

KLIMAAKTIV GOOD PRACTICES

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

LOCALISED

SUSTAINABILITY WITH INTERSPAR BAKERIES

SECTOR

INTERSPAR bakeries have been continuously improving the efficiency of their logistics for many years. The company is constantly analyzing, testing and evaluating existing work processes. There is also a particular focus on reducing fossil fuels and the associated reduction in emissions. At the Kottingbrunn site, the INTERSPAR bakery has decided to test the use of a Volvo e-truck: six days a week, the bakery delivers to four INTERSPAR hypermarkets in the center of Vienna once a day. To date, the switch has saved around 2,440 liters of fuel and significantly reduced CO2, nitrogen and particulate emissions. In order to supply the e-truck with renewable energy produced in-house, the INTERSPAR bakery in Kottingbrunn opted for a tried-and-tested concept that has already been successfully implemented at numerous locations: the use of roof surfaces for the installation of photovoltaic systems. In future, the PV modules will supply the business in Kottingbrunn with around 177,000 kilowatts of electrical energy per year, which will also be used to charge the e-truck. The integration of an e-charging station for the e-truck at the company's own site in Kottingbrunn will further optimize the process structures for employees.Other improvement measures include continuous training and further education programs that the company makes available to its employees.

COMPANY

INTERSPAR-BÄCKEREI KOTTINGBRUNN

COUNTRY

REGION

LOWER AUSTRIA

AWARD

KLIMAAKTIV GOOD PRACTICES

BARRIERS ADRESSED

REGIONAL RISK

LOCALISED

ECO-DATABASE: MAKING YOUR CARBON FOOTPRINT VISIBLE

SECTOR

A way was sought to precisely calculate the "hidden" product emissions to determine where the greatest levers for reducing emissions lie. The core of the project involves programming a database (eco-database) that makes it possible to calculate the ecological footprint (eco-backpack) of each shoe. The basis for this calculation is the production parts lists, which contain all materials and quantities used (over 10,000 data records), as well as the associated suppliers. In the next step, the exact composition and origin of the materials were scrutinized for each material and also entered into the database. This information made it possible to establish a link to common environmental indicators, which makes it possible to calculate the environmental impact of the materials, including GHG emissions, water, and resource consumption and, in the next step, of the entire shoe. The Eco-Database enables LEGERO to specifically identify climate-damaging materials and replace them with more environmentally friendly alternatives.This calculation also takes into account the transport routes within the supply chain and attributable production overheads such as electricity consumption and waste generation.

COMPANY

LEGERO SCHUHFABRIK

COUNTRY

REGION

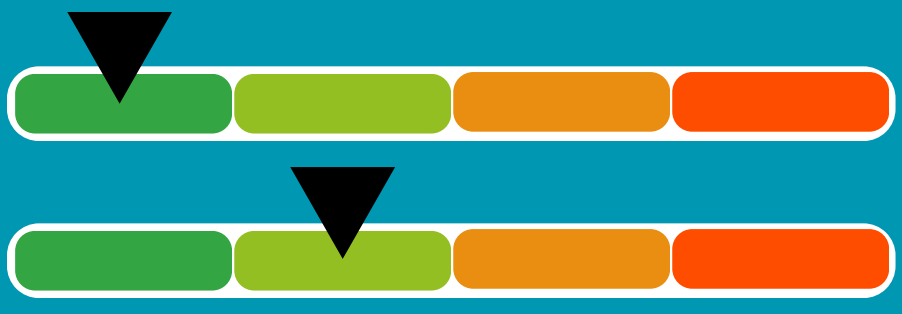
STYRIA

AWARD

TRIGOS 2024

BARRIERS ADRESSED

REGIONAL RISK



LOCALISED

PRESTIGE RECYCLED GLASS

SECTOR

Stoelzle is Austria's largest glass producer and, in addition to internal recycling, already uses 20% recycled glass cullet for its so-called Extra White Flint glass, i.e., high-quality white glass. This makes the company a pioneer in high-quality white glass. The company aims to increase the recycled content to 35% by 2025. This will enable the company to reduce CO2 emissions and maximize the use of raw material substitutes. Furthermore, Stoelzle is working to improve the quality of the recycled glass cullet available on the market so that it can also be increasingly used in the specific application of high-quality white glass. The jury welcomes the ambitious company's ongoing research work and highlights its strategically conceived and implemented contribution to the circular economy. Furthermore, the jury welcomes the cross-company awareness-raising measures in the industry.

COMPANY

STÖLZLE OBERGLAS

COUNTRY

REGION

STYRIA

AWARD

TRIGOS 2021

BARRIERS ADRESSED

REGIONAL RISK

LOCALISED

WE PRODUCE WITH A CLEAR CONSCIENCE

SECTOR

Pohl Metall GmbH manufactures and surfaces sheet metal and wire parts. It primarily produces stamped parts for automotive headlights. In an industry far removed from sustainability and characterized by fierce competition, the company impresses with its systematic approach to implementing greater sustainability in production and processing. By creating a CSR team, improving processes, and streamlining and improving working methods, this exemplary company is making a significant contribution to energy conservation, workplace design, and indoor climate. Measures include the use of surfactant-free cleaning agents, the installation of a PV system, heat recovery, paints with low solvent content, recyclable packaging and reduction of packaging volume, use of preheated supply and exhaust air in the painting area.

COMPANY

POHL METALL

COUNTRY

REGION

TYROL

AWARD

TRIGOS 2020 (NOMINATED)

BARRIERS ADRESSED

REGIONAL RISK

LOCALISED

OPTIMIZATION MEASURES AS PART OF THE ENERGY MANAGEMENT SYSTEM

SECTOR

Adler implements the following award winning optimization measures within the energy management system: The compressed air systems in the portfolio are continuously checked, maintained and replaced. As a large compressed air network at ADLER is constantly kept at just under 6 bar via two compressors, reducing leaks and renewing valves, pipes and connections has an impact on energy consumption. By controlling the compressed air supply to reduce leaks in Production 1 and at the solvent tank farm, around 45,000 kWh/a could be saved. The existing heating/ventilation/air conditioning systems are being progressively integrated into the modern building management system. High air exchange rates are sometimes prescribed in production, laboratories and spray booths. By optimizing regulation/control and, in particular, heat recovery in the ventilation systems, it has been possible to achieve major efficiency increases, which have resulted in savings of 65,000 kWh/a. The lighting is continuously being converted to energy-saving LED lighting. In addition to energy, the longer service life of the light sources means that further costs and time can be saved, as the replacement of most light sources requires the use of access platforms/lifting platforms and technician hours. Another measure is to switch off the parking lot lighting at night. In total, the lighting measures have led to savings of 6,300 kWh/a.

COMPANY

ADLER-WERK LACKFABRIK JOHANN BERGHOFER

COUNTRY

REGION

TYROL

AWARD

KLIMAAKTIV GOOD PRACTICES

BARRIERS ADRESSED

REGIONAL RISK

TRANSPORT BY RAIL

SECTOR

Reinforcing steel for concrete and reinforced concrete is the specialty of Arge Baustahl Eisen Blasy-Neptun GmbH, which began its success story in 1949 as Austria's first iron bending company. Numerous projects have been implemented in recent years to shift additional transport volumes from road to rail. Rail deliveries via the general loading track in Feldkirch to the company site in Frastanz only began in 2021. Reinforcing steel is handled there in coils. In 2022, a logistics concept for the Frastanz company location was developed together with a partner terminal in Feldkirch. The aim is to also shift deliveries of other products such as reinforcing steel mesh and reinforcing steel in bars to rail. The first trial shipments have already been carried out. In addition, rail deliveries via the Stams Regional Terminal were started in 2022 to supply the company site in Ötztal-Bahnhof. Transport volumes are also increasing from year to year via the Arge Baustahl connecting railroad in Innsbruck (Westbahnhof). In total, an average of around 22,600 tons per year were transported in the past three years between 2021 and 2023, meaning that around 6,350,000 tonne-kilometres were transported by rail instead of by road. The rail modal shift saved 686 tons of CO2 emissions!

COMPANY

ARGE BAUSTAHL EISEN BLASY-NEPTUN

COUNTRY

REGION

TYROL

AWARD

KLIMAAKTIV GOOD PRACTICES

BARRIERS ADRESSED

REGIONAL RISK

LOCALISED

CLIMATE AMBASSADOR PROGRAM

SECTOR

The global Greiner Climate Ambassador Program was launched to raise awareness and understanding of sustainability and to work together on solutions for greater climate protection. The program's target group is Greiner employees. Through the Climate Ambassador Program, they acquire knowledge in the field of climate protection, which they can then share within the company as climate ambassadors. They act as multipliers to promote awareness of sustainable action.

COMPANY

GREINER

COUNTRY

REGION

UPPER AUSTRIA

AWARD

TRIGOS 2024 (NOMINATED)

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

LOCALISED

RENEWABLES IN THE PRODUCTION PROCESS

SECTOR

The company´s focus is on increasing efficiency, reducing emissions, and improving the effectiveness of plants in the process industry, as well as the careful use of resources. Bilfinger Life Science GmbH has installed a photovoltaic system at the Puch site near Hallein, which was commissioned in March 2023. The installed capacity of 210 kWp is used for 65% of the company's own consumption, with the surplus being fed into the grid and purchased by Salzburg AG. In addition to the PV system, the company places particular emphasis on energy-efficient operation. The introduction of the WeSustain energy monitoring system facilitates the recording of consumption data and the evaluation of key energy figures. In addition, CO2 emissions (Scope 1 and 2) are calculated automatically. As Bilfinger Life Science strives to exploit all potential energy savings, a tool was developed that uses data mining to analyze the insulation thicknesses and insulation types used in pipelines. As a result, category consumption (electricity) has already been reduced by 31 percent.

COMPANY

BILFINGER LIFE SCIENCE

COUNTRY

REGION

UPPER AUSTRIA

AWARD

KLIMAAKTIV GOOD PRACTICES

BARRIERS ADRESSED

REGIONAL RISK

FROM PLANT WASTE TO ECO-FRIENDLY DESIGN SOLUTIONS

SECTOR

The project focuses on transforming plant and flower waste from industrial processes into 100% plant-based pigments with a low environmental impact, promoting circular economy practices. These pigments are combined with Ecopur, an eco-resin that purifies the air and neutralizes harmful substances like VOCs, bacteria, and viruses, as certified by international standards. The aim is to create sustainable colour solutions for design and architecture, while fostering circular supply chains and generating employment opportunities at the regional and national level. Future developments include researching new types of plant waste to expand the colour palette and exploring applications beyond construction, such as in the nautical and 3D printing sectors.

COMPANY

ECOMAT - RIMINI

COUNTRY

REGION

EMILIA ROMAGNA

AWARD

RESPONSIBLE INNOVATORS AWARD 2024

BARRIERS ADRESSED

REGIONAL RISK

CIRCULAR ENERGY FROM WINEMAKING WASTE

SECTOR

For the realisation of the “Lègami di Vite” project, which brought together important winemaking companies in Emilia Romagna for the circular management and valorisation of by-products and waste from winemaking to produce renewable electricity, biomethane and composted soil improvers. The bio-LNG produced will power the vehicles used to transport the wine and by-products. The initiative achieves resource and energy efficiency and savings, CO2 reduction, renewable energy production, good agricultural and soil management practices. The main innovation is supply chain integration, between companies, in the integrated and circular management of by-products and waste.

COMPANY

CAVIRO EXTRA

COUNTRY

REGION

EMILIA ROMAGNA

AWARD

SUSTAINABLE DEVELOPMENT AWARD 2022

BARRIERS ADRESSED

REGIONAL RISK

PRODUCTION OF CHEMICALS FROM BIO-FEEDSTOCK AND OTHER BIOMATERIALS

SECTOR

The production of chemicals from bio-feedstock involves converting renewable biological materials, such as agricultural waste, algae, or plant residues into valuable chemical compounds. Through processes like fermentation or thermochemical conversion, these materials are transformed into bio-based chemicals that can replace those traditionally derived from fossil fuels, reducing environmental impact and supporting a circular economy.

COMPANY

EXO LAB ITALIA

COUNTRY

REGION

LOMBARDIA

AWARD

GREEN CHEMISTRY LOMBARDY FOR A SUSTAINABLE FUTURE 2024

BARRIERS ADRESSED

REGIONAL RISK

TRACEABILITY FOR CIRCULAR PLASTICS AND CHEMICALS

SECTOR

The circulation of plastics and other chemical substances can be significantly improved through a holistic approach that prioritizes waste reduction, enhances the recyclability of materials, and supports the redesign of products and packaging with sustainability in mind. This involves rethinking how materials are produced, used, and disposed of, with a focus on minimizing environmental harm and promoting circular economy principles. One key element of this process is the integration of material and product traceability solutions throughout the entire supply chain. These systems enable stakeholders to monitor the origin, composition, and environmental footprint of materials at each stage of the product lifecycle from raw material extraction and manufacturing to distribution, consumption, and end-of-life management. Such traceability not only facilitates more efficient recycling and reuse but also improves compliance with environmental standards, supports innovation in material design, and fosters greater corporate accountability. By embedding these strategies into production and consumption systems, industries can reduce reliance on virgin resources, mitigate pollution, and contribute to the transition toward more resilient, resource-efficient, and sustainable economies.

COMPANY

BI-REX

COUNTRY

REGION

LOMBARDIA

AWARD

GREEN CHEMISTRY LOMBARDY FOR A SUSTAINABLE FUTURE 2024

BARRIERS ADRESSED

REGIONAL RISK

INNOVATIVE STORAGE FOR RENEWABLE ENERGY

SECTOR

For the development of the CO2 Battery project: a technology for storing electricity, generated from discontinuous renewable sources, which exploits the properties of CO2 with an innovative thermodynamic process, which, in the demonstration plant set up in Sardinia, has achieved good levels of efficiency at low costs. The CO2 Battery technology would, if its industrialisation confirms its performance, also make it possible to differentiate and facilitate the supply and reduce the costs of raw materials used in storage batteries.

COMPANY

ENERGY DOME

COUNTRY

REGION

SARDEGNA

AWARD

SUSTAINABLE DEVELOPMENT AWARD 2024

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

LOCALISED

SUSTAINABLE WOOD

SECTOR

It is a patented, innovative and sustainable product made of solid wood treated with natural sterilisation and drying techniques. The project aims to produce wood panels with high mechanical and biological properties (antibacterial, stain-resistant, fireproof) that can be used in furniture and construction. Escooh aims to reduce energy consumption, promote sustainability and revitalise the local manufacturing heritage. The Legnovivo project stands out for its commitment to environmental sustainability and the revitalisation of local manufacturing skills. Its ability to respond to the challenges of responsible consumption of natural resources and the enhancement of Sicilian craftsmanship makes it a solid and innovative initiative. However, implementation and self-financing could be improved to ensure greater scalability of the project.

COMPANY

ESCOOH LEGNOVIVO

COUNTRY

REGION

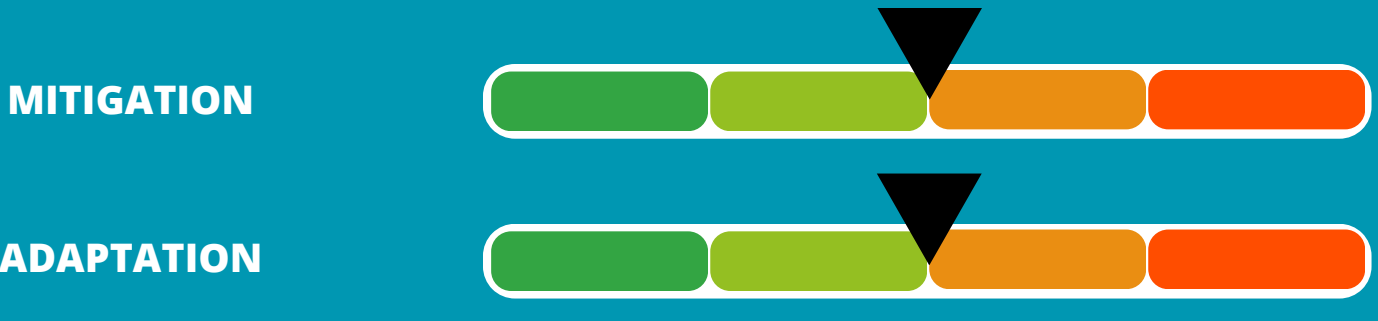
SICILIA

AWARD

SICILY INNOVATION AWARD

BARRIERS ADRESSED

REGIONAL RISK



NUTRACEUTICAL POWDERS FROM CEREAL BY-PRODUCTS

SECTOR

The FERVERE project develops fermented powders with high nutraceutical-nutritional value by optimising and enhancing the by-products of the Tuscan cereal sector. Selected yeasts and lactic acid bacteria, used in the fermentation of wheat and millet bran, are used to obtain powders rich in phenolic compounds, minerals and vitamins that have beneficial effects on the intestinal microbiota.

COMPANY

BAQTA FERMENTED SUPERFOODS S.R.L. DI PRATO – FERVERE

COUNTRY

REGION

TOSCANA

AWARD

TUSCAN INNOVATION AWARD

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

GREEN HYDROGEN AND STEEL INNOVATION

SECTOR

This innovation improves steel quality, reduces waste and increases productivity, setting a new standard for the steel industry. Green hydrogen' technology is based on the use of hydrogen produced through electrolysis powered by renewable sources, thus eliminating the CO_2 emissions associated with conventional processes. A significant example is the use of a 1 MW AEM (Anion Exchange Membrane) electrolyser by a manufacturing company to power one of its heat treatment furnaces. Thanks to this innovation, green hydrogen replaces traditional fossil fuels in the production process, allowing CO_2 emissions from the furnace to be eliminated and contributing to the decarbonisation of the steel industry. This solution represents a concrete step towards more sustainable industrial production, integrating energy efficiency and reduced environmental impact.

COMPANY

LA COGNE ACCIAI SPECIALI

COUNTRY

REGION

VALLE D'AOSTA

AWARD

SMAU 2025 INNOVATION AWARD

BARRIERS ADRESSED

REGIONAL RISK

REDEFINING URBAN LOGISTICS WITH SUSTAINABLE LAST-MILE SOLUTIONS

SECTOR

Cargobic is a Barcelona-based company specialised in sustainable last-mile logistics through the deployment of self-manufactured electric cargo bikes. These modular vehicles, capable of transporting between 100 and 250 kg, facilitate efficient deliveries within urban environments, particularly in Low Emission Zones (LEZs). Cargobici offers services including cross-docking, fulfilment, and reverse logistics, thereby optimising urban distribution networks. Beyond its core services, Cargobici has implemented operational strategies to further its commitment to sustainability. The company has developed proprietary software that enables real-time tracking of deliveries, optimisation of delivery routes, and reduction of human error. This system allows for the consolidation of deliveries, improving efficiency and reducing the environmental impact of logistics operations.

COMPANY

CARGOBICI

COUNTRY

REGION

CATALONIA

AWARD

BBVA AND FACC ENVIRONMENTAL SUSTAINABILITY INNOVATION AWARD

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

LOCALISED

ADVANCING SUSTAINABLE MOBILITY THROUGH OPERATIONAL INNOVATION

SECTOR

Transports Generals d'Olesa (TGO) is a transport operator based in Catalonia that has adopted several operational strategies to further its commitment to sustainability. The company has initiated the electrification of its fleet, introducing electric buses on one of its lines. This transition includes the installation of overnight charging stations at their depots, aiming to reduce reliance on fossil fuels and lower greenhouse gas emissions. Additionally, they have implemented strategies to reduce plastic usage, implement recycling programmes, and promote energy efficiency. In terms of its service, TGO developed Bus4me, a technological solution facilitating the implementation and management of on-demand transportation services. The system enables the creation of bus lines with predefined routes and schedules that operate only with prior reservations, adapting the service to actual mobility needs. This model helps reduce peak-hour congestion and emissions by offering more flexible, efficient transport options for operators, public administrations, companies, and industrial parks.

COMPANY

TRANSPORTS GENERALS DE OLESA

COUNTRY

REGION

CATALONIA

AWARD

BARCELONA 2030 AWARDS

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

OPTIMISING CORPORATE MOBILITY FOR ENVIRONMENTAL IMPACT

SECTOR

BusUp is a technology-driven company specialising in corporate mobility solutions. It offers shared, demand-responsive transport services tailored for businesses, aiming to reduce operational costs and environmental impact. Utilising advanced algorithms, BusUp optimises routes and vehicle usage, enhancing accessibility while minimising carbon emissions.The company's innovative approach has led to significant environmental benefits. In the first half of 2024, BusUp's services contributed to an 8.6 million kilogram reduction in CO_2 emissions, marking a 10% increase compared to the same period in the previous year. Beyond its core services, BusUp has implemented several operational strategies to further its commitment to sustainability. In 2024, the company introduced "Brainer," an artificial intelligence tool designed to analyse, monitor, and optimise mobility operations in real-time. Brainer enables BusUp to predict service quality with a 92% accuracy rate, allowing for proactive adjustments and improved efficiency in daily operations. BusUp also promotes the use of electric vehicles (EVs) within corporate fleets, recognising their role in reducing emissions and operational costs. By facilitating the transition to EVs, the company supports clients in achieving their sustainability goals. Furthermore, BusUp encourages shared mobility initiatives, such as carpooling and ride-sharing, to decrease the number of single-occupancy vehicles on the road. By integrating services like Hoop Carpool into its platform, BusUp offers comprehensive mobility solutions that cater to diverse employee needs.

COMPANY

BUSUP

COUNTRY

REGION

MADRID

AWARD

INTERNATIONAL MOBILITY PRICES EMS

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

LOCALISED

OPERATIONAL SUSTAINABILITY IN URBAN ELECTRIC MOBILITY

SECTOR

MOOEVO Green is committed to operational sustainability across its business operations. The company focuses on continuous improvement in quality and environmental management systems, aiming to reduce the environmental impact of its activities. MOOEVO Green adheres to the "Pacto por la Movilidad Sostenible," a commitment to sustainable mobility principles, ensuring that its processes align with broader environmental and social goals. These strategies reflect the company's ongoing efforts to maintain operational control while prioritising eco-friendly practices. In terms of services MOOEVO Green develops, industrialises, and commercialises electric vehicles designed for urban cleaning and last-mile delivery. Their product line includes 100% electric vehicles that are specifically suited for urban environments, offering versatile solutions for tasks such as goods delivery and waste collection. The vehicles are designed to easily access pedestrian areas, making them ideal for urban settings where space is limited. By providing these sustainable alternatives, MOOEVO Green promotes cleaner urban transportation and supports more efficient and eco-friendly services for cities.

COMPANY

MOOEVO GREEN

COUNTRY

REGION

MADRID

AWARD

INTERNATIONAL MOBILITY PRICES EMS

BARRIERS ADRESSED

REGIONAL RISK

For more information click here!

OPERATIONAL SUSTAINABILITY AND INNOVATIVE URBAN MOBILITY SOLUTIONS

SECTOR

EMT is a public transport company in Madrid that has implemented a comprehensive strategy to enhance operational sustainability across its operations. The company has electrified its fleet, with 244 fully electric buses currently in service, representing 11.4% of its total fleet. Additionally, EMT has constructed a hydrogen refueling station, known as a 'hydrogenera,' to supply a fleet of ten fuel cell buses. The project also includes the installation of photovoltaic panels capable of generating all the renewable energy required for hydrogen production. In terms of infrastructure, the Carabanchel Operations Centre has been electrified to accommodate electric buses, featuring charging systems and a photovoltaic installation for self-consumption. A new operations centre in Las Tablas is being developed to serve both gas and electric buses, while the La Elipa centre is being adapted to manage a 100% electric fleet. These initiatives are part of the broader Madrid 360 Sustainability Strategy, which aims to position Madrid at the forefront of European transport operators pursuing a 100% clean bus fleet. Moreover, EMT has launched the first Bus Rapid Transit (BRT) line connecting the city with Hospital Ramón y Cajal. The line is serviced by a fleet of 12 fully electric tram buses. The BRT system is projected to save over 700,000 kilometers annually in trips typically made by private cars, leading to a reduction of approximately 125 tons of CO_2 and nearly 200 tons of NOx emissions.

COMPANY

EMPRESA MUNICIPAL DE TRANSPORTES DE MADRID

COUNTRY

REGION

MADRID

AWARD

INTERNATIONAL MOBILITY PRICES EMS

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

For more information click here!

TRAINS ENTIRELY ON GREEN ENERGY

SECTOR

Thalys is an international high-speed train operator running services between Paris, Brussels, Amsterdam, and Cologne, also serving cities like Lille, Rotterdam, Düsseldorf, Essen, and Dortmund. Based in Brussels, the company was founded by the Belgian National Railway Company (SNCB), and Deutsche Bahn. Thalys places great importance on sustainability and operates its trains entirely on green energy sourced from European wind and solar power plants. This has significantly reduced their CO_2 emissions per passenger kilometer. In addition to using renewable energy, Thalys implements other measures such as reducing single-use plastics onboard, using eco-friendly toilet cleaners, and encouraging the use of public transport before and after train journeys to improve the overall carbon footprint of travel. Thalys is also committed to transparency and customer engagement, with its carbon footprint independently verified for the first time and thousands of customers involved in the renovation of trains. Looking ahead, Thalys is collaborating with Eurostar on the "Green Speed" project to build a sustainable high-speed rail network and increase the annual number of passengers. These comprehensive efforts have earned Thalys recognitions including the EcoVadis Gold status and other awards.

COMPANY

THALYS

COUNTRY

REGION

BRUSSELS

AWARD

SCIENCE BASED TARGETS INITIATIVE 2025

BARRIERS ADRESSED

REGIONAL RISK

RADICALLY MODERNISED SAIL

SECTOR

Norsepower is the first company in the world to transform century-old sail principles into a commercially viable and modern product. Norsepower Rotor Sail™ uses wind and rotating cylinders to create thrust. Just like a traditional sail, but on a bigger scale – and in a radically modernized way. The use of wind energy significantly reduces the conventional emissions of maritime shipping. Norsepower Rotor Sails can already reduce emissions, and thus fuel costs, by up to 25%. In 2018, extensive tests were carried out with Rotor Sails on a crude oil tanker, confirming the efficiency of the project. The company is now installing its system on numerous ships, making a substantial contribution to emission reduction.

COMPANY

NORSEPOWER

COUNTRY

REGION

HELSINKI

AWARD

ENERGY GLOBE AWARD

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

DIEBOTEN.AT LOCAL CO2 NEUTRAL LOGISTICS IN SALZBURG

SECTOR

DieBoten.at is a local and CO2-neutral courier service in Salzburg City and the surrounding area. They bring things up to 250 kg from A to B in an environmentally friendly way. The aim is to replace delivery cars and trucks in the city by using bicycle messengers and cargo bikes. Ordering, scheduling and delivery processes are all paperless and digital. All employees are salaried and shine with enthusiasm for their profession and common sense. Since 2015, they have been implementing projects and spontaneous orders such as the delivery of groceries for a supermarket chain, shopping logistics for Kinderstadt Salzburg, last mile delivery for DB Schenker, and hanging banners on bridges for Salzburg City Council in a CO2-neutral way. We see that more and more large companies appreciate the added value of a small alternative local logistics company once they have tried it out.

COMPANY

DIEBOTEN

COUNTRY

REGION

SALZBURG

AWARD

VCÖ-MOBILITÄTSPREIS 2020

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

LOCALISED

E-BUSES IN THE ZILLERTAL GLACIER REGION / ZILLERTAL ALPS HIGH MOUNTAIN NATURE PARK

SECTOR

As a bus company operating in public transport, among other things, it was decided to drive forward decarbonization and maximize the reduction of traffic-related CO2 emissions in mobility as quickly as possible, thus launching this pioneering project. The region's mountainous routes pose a particular challenge, which is why diesel buses were previously the only suitable option; an environmentally friendly alternative was unthinkable. The latest and innovative technology from their vehicle supplier MAN ultimately won us over, and after an extensive testing phase, they were proud to put four electric buses into operation in March 2023. The emission-free, battery-electric buses have been used in local public transport ever since. This pioneering investment saves approximately 122,500 liters of diesel and 324,190 kg of CO2 annually. Charging is done exclusively with green electricity at the company's site. They have since made further significant investments and put three more electric buses into service to provide sustainable, emission-free public transport for the entire region as quickly as possible.

COMPANY

CHRISTOPHORUS

COUNTRY

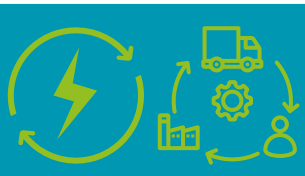
REGION

TYROL

AWARD

TRIGOS TYROL 2024

BARRIERS ADRESSED



REGIONAL RISK

ELECTRIC DELIVERY SERVICE, ELECTRIFIED COMPANY FLEET

SECTOR

The solution is to be able to carry out all urban B2B transport with electrically powered vehicles. The aim is to show that the implementation is both technically and financially feasible for small companies. The biggest obstacle proved to be the search for suitable scooters, firstly because there were very few scooters on the market at the time and secondly because there was no dealer and therefore no service in Innsbruck. A dealer was found in Innsbruck in 2012 who sold the products of a German manufacturer. The first series consisted of 9 electric scooters with converted luggage carriers with special superstructures for deliveries. This was followed by a second series of five electric scooters with the same conversions. According to calculations by Henry Consult, the electric delivery service can save around 100 tons of CO2, nitrous oxides and particulate matter within seven years. Economic advantages include the elimination of all service costs and the elimination of fuel costs, as electricity costs are significantly lower. The scooters used so far are from a German manufacturer with Chinese technology. In the meantime, efforts are being made together with partners to produce suitable B2B delivery scooters or sharing scooters that meet the minimum European technical standards in terms of norms, driving safety and battery technology. The repair costs incurred due to the long running times of the electric scooters are disproportionate to the repair costs of scooters with a fossil drive with such a mileage.

COMPANY

EMOBILITY CONSULT

COUNTRY

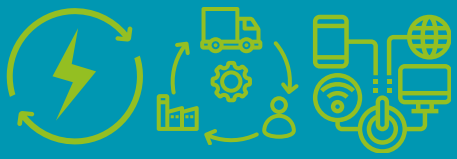
REGION

TYROL

AWARD

VCÖ-MOBILITÄTSPREIS 2019

BARRIERS ADRESSED



REGIONAL RISK

LOCALISED

LOGISTICS MOBILITY REVOLUTION ELECTRICITY HITS

SECTOR

The project addresses key challenges of electromobility in truck transportation. Firstly, the limited range of electric trucks and the associated uncertainty in the transport industry. By implementing an advanced fast-charging infrastructure and using powerful battery technologies, the company is expanding the daily charging capacity of its trucks. Secondly, the inadequate charging infrastructure for the commercial vehicle sector, combined with excessively high roaming costs for charging infrastructure providers, which is hindering the rapid adaptation of electromobility. they are expanding their own charging capacities, which not only support their vehicle fleet, but also relieve the burden on the public grid. Thirdly, by using self-produced solar energy and operating an efficient storage solution, they are minimizing operating costs and demonstrating the economic viability of electric trucks in commercial use. In just two and a half months of using their first four electric trucks, they have already covered 80,000 km and thus made a significant contribution to reducing CO2 emissions. This corresponds to a saving of approximately 48.8 tons of CO2. In seven years, these four electric trucks will have saved 2,116 tons of CO2, based on average emission values of conventional diesel trucks. In addition, the company implemented a training program that trains its drivers in eco-efficient driving, which minimizes energy consumption and further reduces the environmental impact.

COMPANY

SCHLAGER TRANSPORT LOGISTIK

COUNTRY

REGION

UPPER AUSTRIA

AWARD

VCÖ-MOBILITÄTSPREIS 2024

BARRIERS ADRESSED

REGIONAL RISK

RAIL LOGISTICS BERNEGGER

SECTOR

The primary goal of Bahnlogistik Bernegger is to reduce truck traffic by shifting it to rail. At the same time, the plannability and availability of raw material transports should be improved. A special container system was developed that can be attached to standard rail container wagons. These containers can be filled via a loading terminal and transferred to articulated trucks for onward carriage at the destination in just a few minutes. This provides a flexible complete solution for long-distance rail transport and short on-carriage transports by truck. In the first half of 2018, 270,000 tons of raw materials and excavated materials were already handled via the system. The connecting stations at the Enns and Linz plants were also completed in 2021. Since the rail transport system, including the connecting railroad in Spital/Pyhrn, went into operation in 2016, raw material transports have increasingly been shifted from road to rail. In 2017, Bernegger GmbH transported more than 200,000 tons of raw materials by rail on the route from Spital am Pyhrn to Linz and Enns alone. This volume of raw materials transported by rail corresponds to a saving of around 1 million truck kilometers or around 16,000 truck journeys in the Linz city area per year. In the first half of 2018, 270,000 tons of raw materials and excavated materials were already handled via the system. The connecting stations at the Enns and Linz plants were also completed in 2021.

COMPANY

BERNEGGER

COUNTRY

REGION

UPPER AUSTRIA

AWARD

VCÖ-MOBILITÄTSPREIS 2022

BARRIERS ADRESSED

REGIONAL RISK

MICRO HYDROGEN MOBILITY

SECTOR

The Mimì project is a cutting-edge initiative in the field of sustainable and innovative mobility. Designed as a compact, zero-emission vehicle for urban environments, Mimì is powered entirely by hydrogen and features a unique propulsion system that integrates electric power, supercapacitors, and fuel cells. The project aims to provide an efficient and eco-friendly solution for transporting both goods and people within city settings. By promoting clean energy and reducing urban emissions, Mimì contributes to broader goals of sustainability and decarbonization, fully aligned with the objectives of the 2030 Agenda.

COMPANY

BIEFFE PROJECT - MODENA

COUNTRY

REGION

EMILIA ROMAGNA

AWARD

RESPONSIBLE INNOVATORS AWARD 2024

BARRIERS ADRESSED

REGIONAL RISK

MITIGATION

ADAPTATION

LOGIGREEN

SECTOR

The company won the sustainability award for its concrete commitment to reducing environmental impact in the logistics sector. The company has increased the use of LNG- and bio-LNG-powered vehicles, opened new intermodal connections to reduce road transport in favour of rail, and continuously monitored CO_2 emissions in its warehouses through dedicated instruments, with the aim of measuring and offsetting harmful emissions. These tangible actions demonstrate an integrated and results-oriented sustainability strategy.

COMPANY

LOGISTICA UNO

COUNTRY

REGION

VENETO

AWARD

SUSTAINABILITY AWARD 2024

BARRIERS ADRESSED

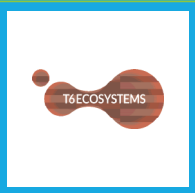
REGIONAL RISK

MITIGATION

ADAPTATION

LOCALISED

LOCALISED partners:



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