

ENVIRONMENTAL REPORT EDELRID 2023

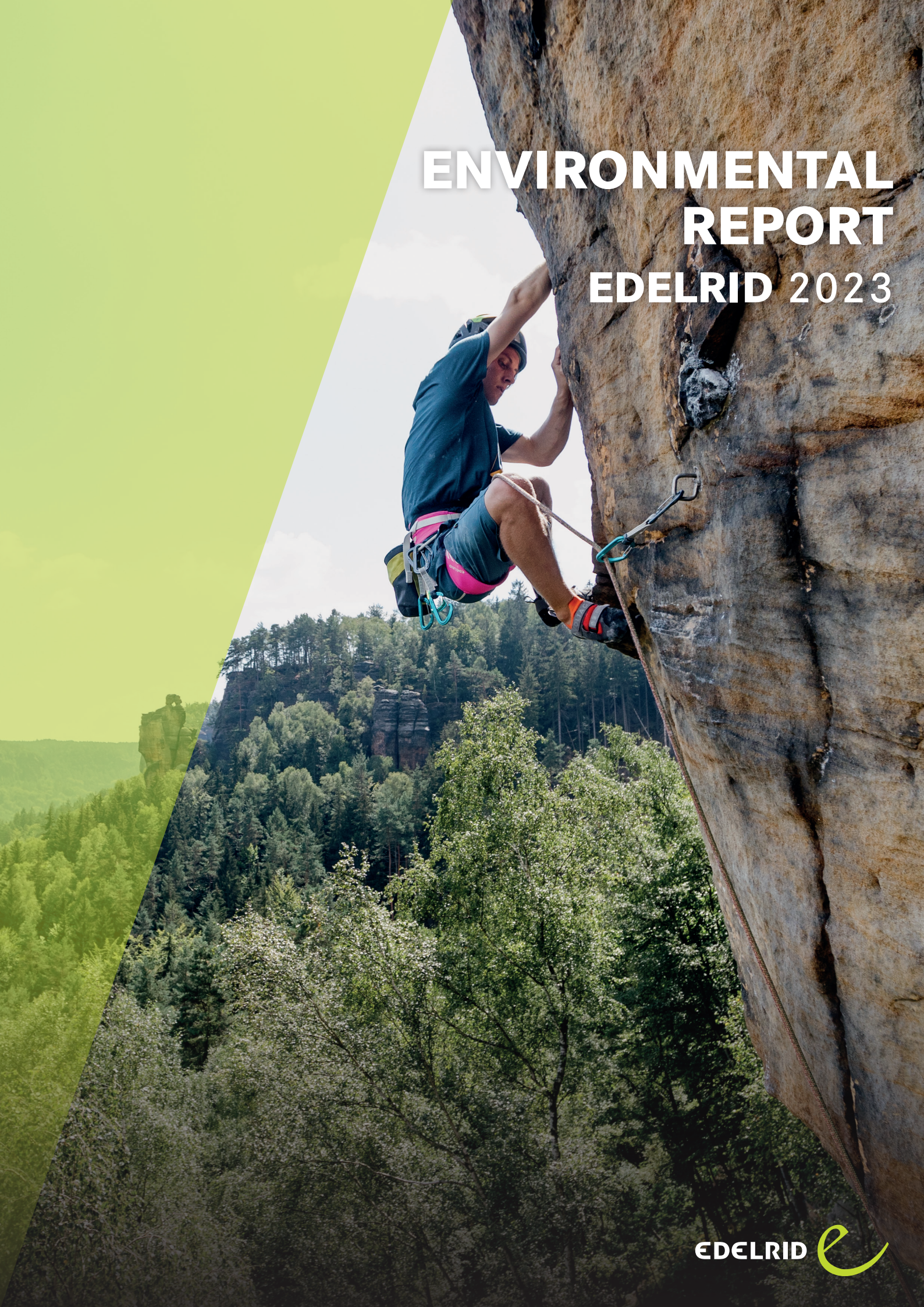


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„The past few years have been very demanding, both personally and in terms of the business. But these challenges have meant personal growth too. The importance of being a community, sticking together and having clear values has never been as acute. This period in history highlighted a company’s responsibility towards its employees, customers, partners, society as a whole and the environment.

Which is why it’s even more important to us to take responsibility for our social, ecological, and commercial impact. Our EMAS-certified environmental management system has been in force for 14 years and is just one example of our approach.

We develop our equipment based on the three core requirements of safety, quality, and sustainability. Our desire is to be crystal clear about the way we live up to these values. As a result, the goal of this 2023 environmental report is to provide public and transparent access to information on how we make and use our products, the impact they have, our environmental targets and programmes. We also view this report as an opportunity to reflect on where we stand in the areas concerned, to identify potentials and to improve consistently.

We hope you enjoy reading this year’s environmental report.“



Vitus Wuhler
Member of the management board

Albrecht von Dewitz
CEO

Markus Wanner
Member of the management board

ABOUT EDELRID

EDELRID is a blend of 60 years of passion and enthusiasm for mountaineering, 160 years of ingenuity and ground-breaking, German-made products.

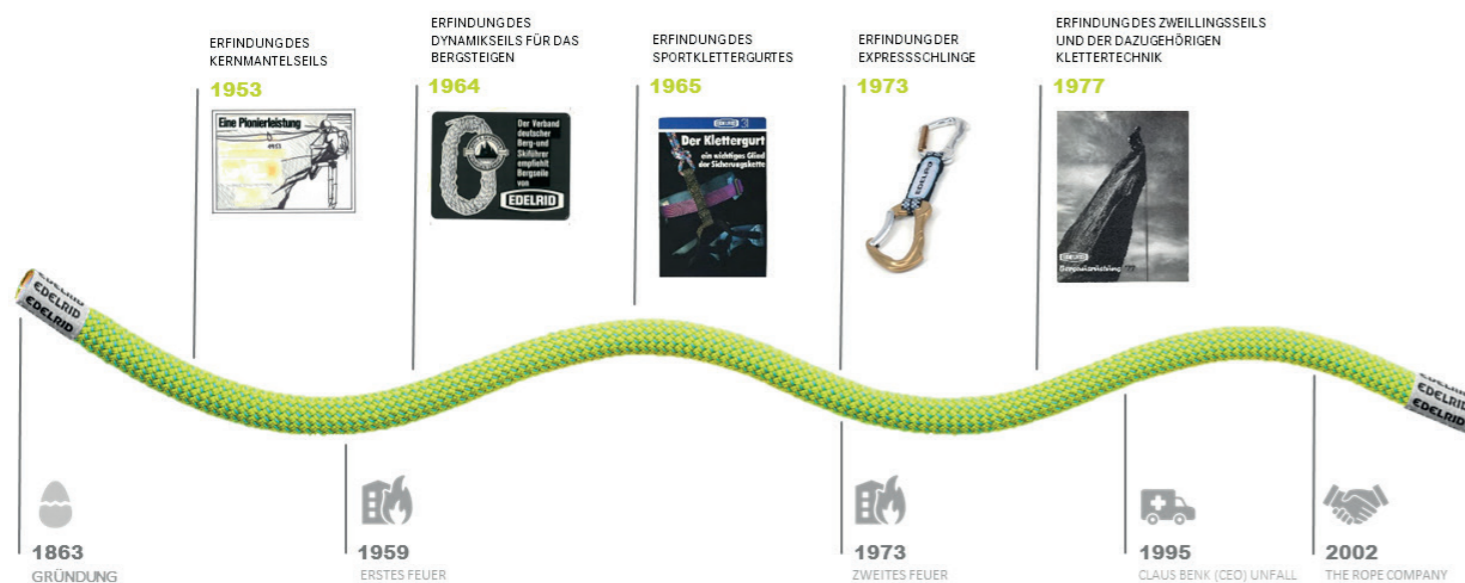
Today, EDELRID is a leading manufacturer of climbing and personal protective equipment (PPE). Our bold pioneering spirit has remained a constant throughout the years right up until the present day, even if the people steering the ship are different.

On mountains, snow and ice, on climbing walls, in trees or on industrial buildings, climbing's part of our DNA. We believe it's important to push boundaries, maintain an inquiring mind and share our joy in the vertical world. Which is why we're constantly honing our products and solutions, from climbing equipment for outdoor and indoor climbing all the way to personal protective equipment (PPE) for industrial applications.

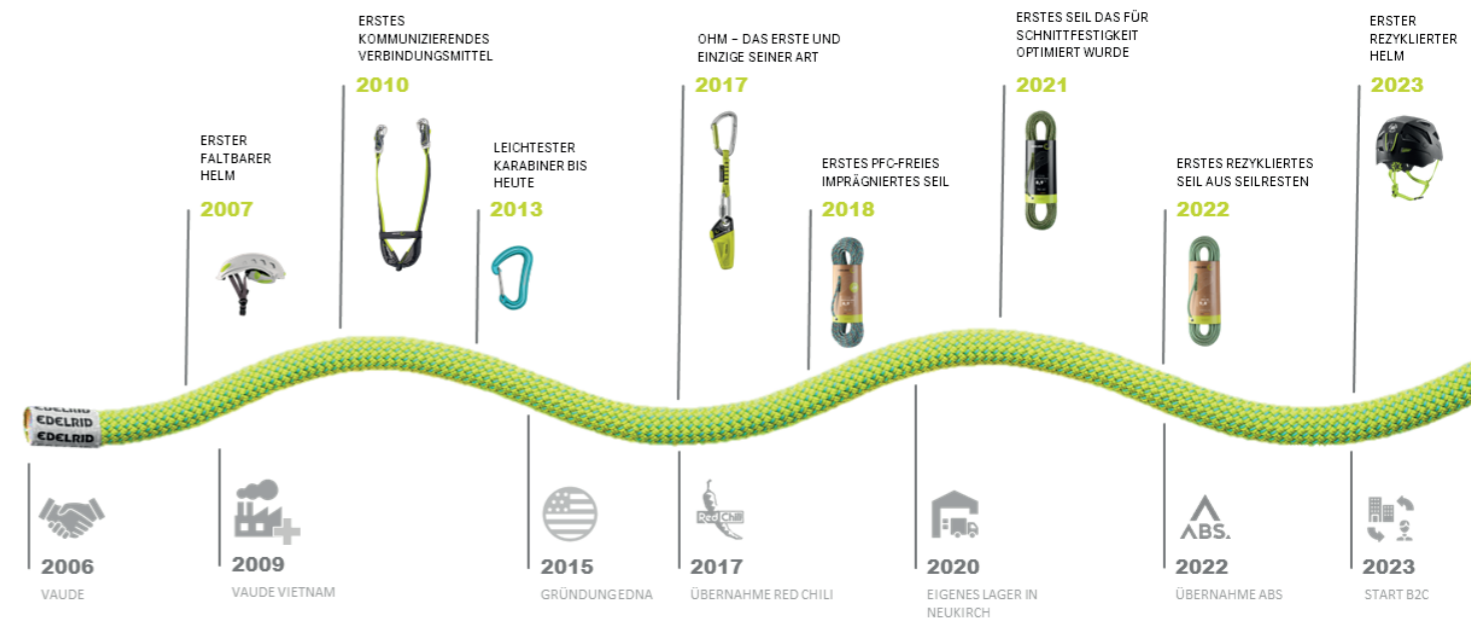
As a manufacturer with roots in the Allgäu region of south Germany, we make our whole portfolio of climbing ropes, static ropes, cords as well as lines for hang-gliders and many other industrial applications in our own rope factory.

HISTORY | OUR ROOTS

Our history has been a long and turbulent one. Over the years, the company burnt down and was rebuilt twice, was sold and resold, overcame tragedies and celebrated successes.



We invented the kernmantle rope, which is the industry standard for all mountaineering ropes up until today. Our development team's responsible for the first rope to be certified to all three standards (single, double, and twin rope). We made the first PFC-free climbing rope to meet the UIAA standard for water-repellent ropes and the first rope, 50% of which is made of recycled yarn from pre-consumer waste.



VISION | OUR DESTINATION

Our vision is an expression of what we're striving for and have always strived for:

when it comes to moving freely in the vertical world, we turn ideas into reality.

MISSION | WHY WE DO WHAT WE DO

As a company, we're unparalleled in terms of our purpose and how we make this vision turn into reality. Our mission is to understand and disclose every detail about how our products are made and the impact they have.

We apply and share our expertise to make the best product, minimise its ecological impact and to help climbers assess their risk properly.*

VALUES| OUR WORK ETHICS

Our values define how we want to work inside and outside the company. They describe what it means to be a member of the EDELRID team.

We're a colourful bunch – a team of individuals who come from different places, with different personalities and experience.

We're a strong team – we trust each other and the feeling of being a family doesn't end when we go home every day.

We're inventors – we're inquisitive and motivated to create, use and share expertise.

We're genuine – we stick by our word and act openly and honestly.

We're thinkers and workers – we understand and live what we do.

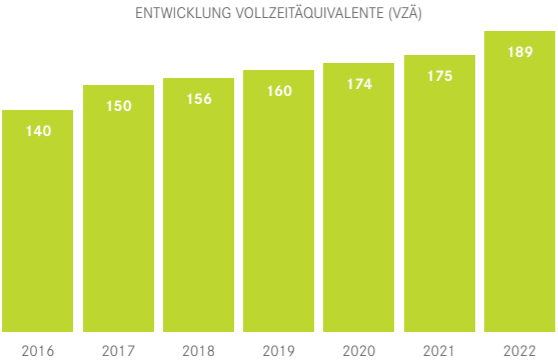
We're enthusiastic – a passion for the product, technology and its manufacture makes it better.

We take responsibility – it's expertise that makes the way we act sustainable in the first place.

2.1 | FACTS AND FIGURES

MITARBEITER

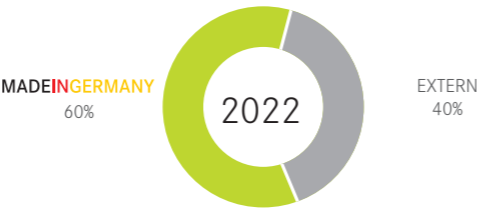
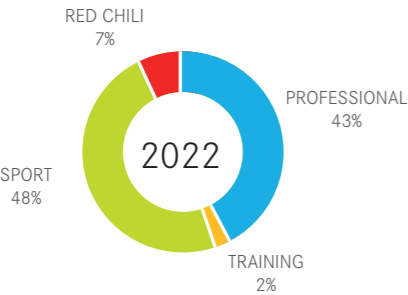
ENTWICKLUNG & IM DETAIL



	2021	2022
Anzahl der Beschäftigten (incl. aller Stellen)	193,2	222
Auszubildende	5	5
VZÄ	175,4	188,9
Anzahl gewerbliche Beschäftigte	91,3	102
Anzahl der angestellten Beschäftigten	101,9	120
Anzahl der Beschäftigten in Elternzeit	10	7
Anzahl der Vollzeitstellen	148,7	174
Anzahl der Teilzeitstellen	31,2	48
Anzahl der Führungskräfte	26	36

UMSATZ

GESCHÄFTSBEREICHE & WERTSCHÖPFUNG



2.2 | BUSINESS SEGMENTS AND PRODUCTS

Mountaineering is where we started and something of a passion. It makes us reach for the top and keeps us grounded. Our mountaineering expertise gained over the decades is also manifested by our Professional segment.

We create synergy by conveying expertise, bringing specialists together to make even better products and ensure even greater customer satisfaction.

The Professional segment encompasses the strategic business fields of Work Safety, Adventure Parks, and Customer Solutions. This is where industrial users and manufacturers find high-quality PPE products designed specifically for their sector.

Health and safety professionals benefit from our expertise from the vertical world. EDELRID's Work Safety products are tailored to cope with the challenges encountered by industrial climbers, arborists, height- and mountain-rescuers.

Our mountaineering expertise also benefits the Adventure Parks segment. These products are geared to ropes courses, climbing or adventure parks.

Our Customer Solutions segment is all about providing sophisticated textiles, something we've been doing since EDELRID was founded. These solutions are targeted at businesses seeking a partner to supply textile weaves for industrial applications and develop customised PPE products. Our portfolio ranges from lines for paragliders, kites and parachutes to technical lines used in the automotive industry, to one-off solutions for diverse propulsion technologies, rescue and working methods.

To help ensure our products are used properly across industries, we offer regular training sessions for people inside and outside the company.

FLECHTEN
NÄHEN
MONTIEREN
KONSTRUIEREN
FERTIGEN
TESTEN

2.3 | PRODUCTION IN ISNY

Rope and line production

The bobbins and core twines are prepared for the braiding machines in the bobbin winding and core twine preparation department. At the moment, approx. 36 million metres of braids are produced in the rope and line braiding departments annually.

Rope coating

After braiding, a rope coating machine treats the dynamic ropes with water-based substances and heat to lend them certain properties. This is called a continuous rope coating machine.

Finishing and shipping (rope and line production)

Once the ropes have been coated, they're collected in tubs, cut to length, and packaged.

Sewing department (harnesses, via ferrata sets, tapes and accessories)

The sewing department primarily sews work safety harnesses, sample harnesses, slings, via ferrata sets and lanyards.

Hardware (high ropes course and metal products)

Our hardware department chiefly makes and conducts maintenance on lanyards for high ropes courses. It also assembles ice tools, crampons, and belay devices.

8 | ENVIRONMENTAL REPORT 2023

EDELRID

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Rope and line production

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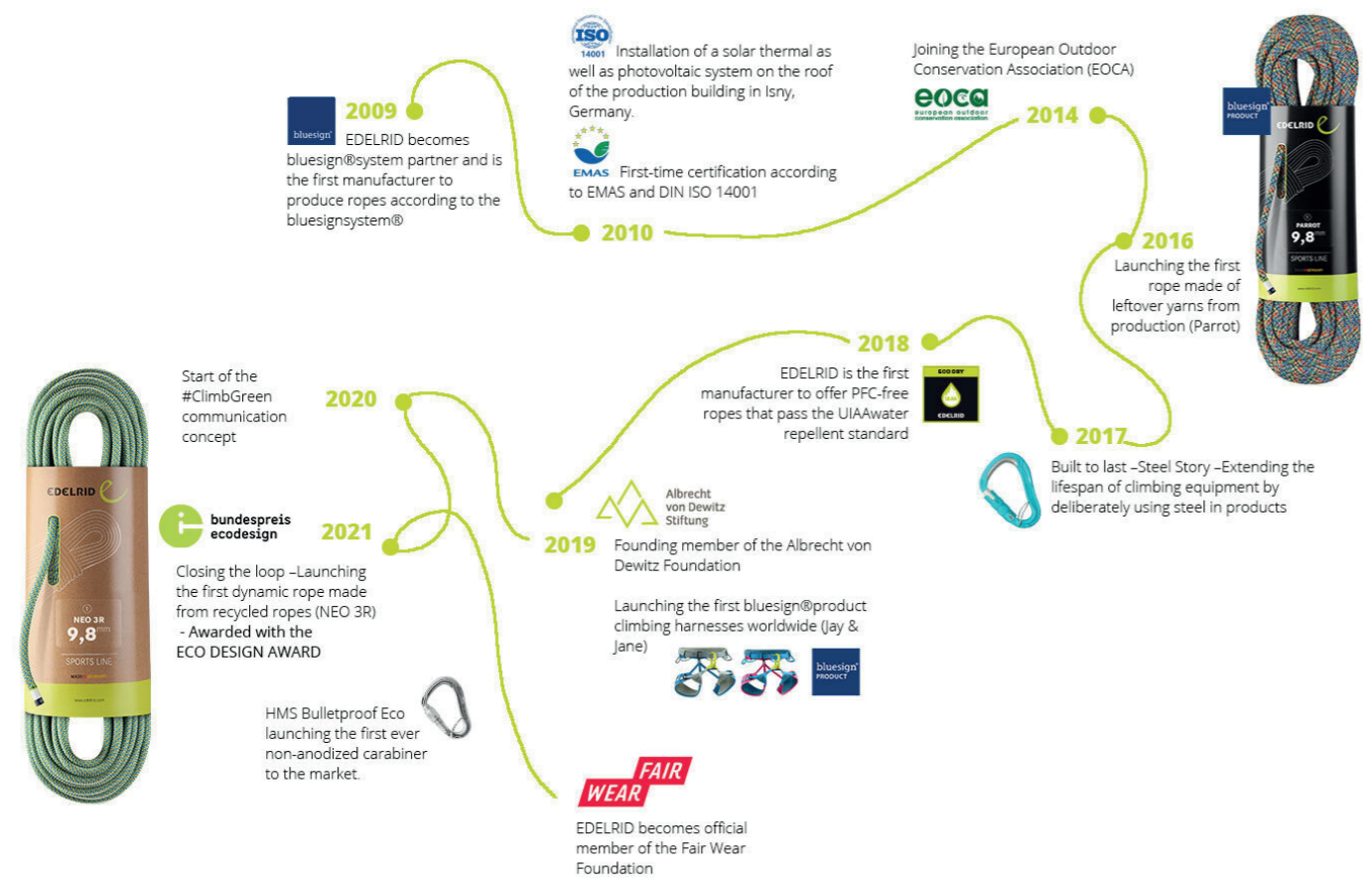
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2.4 | OUR GREEN MILESTONES

We love the vertical world and want to ensure it survives for future generations too. We take responsibility for the social and ecological impact of our operations. Step by step.



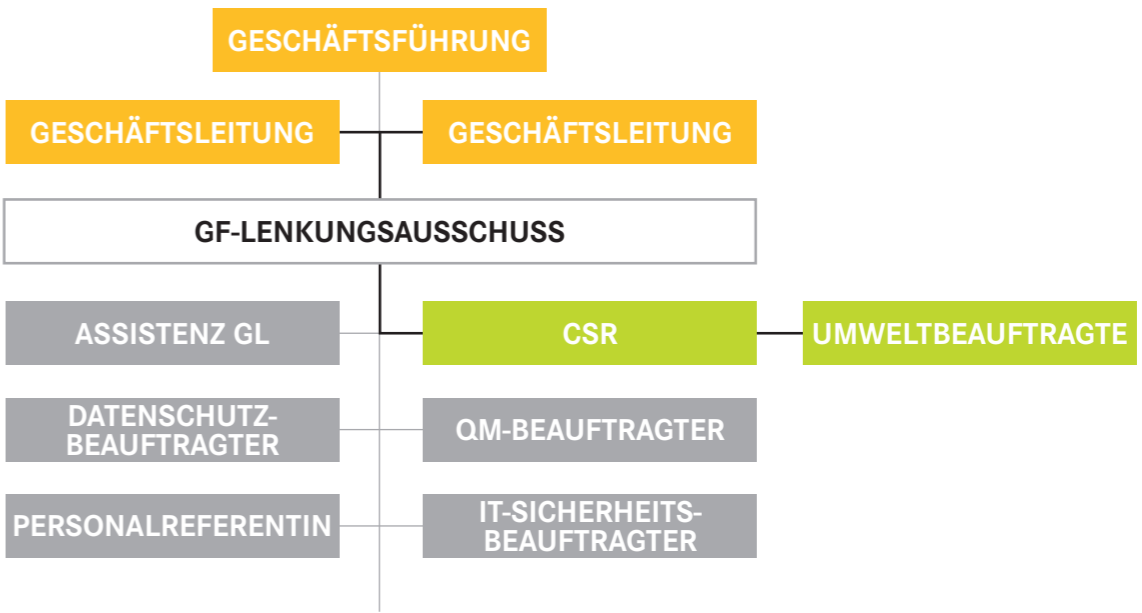
ENVIRONMENTAL MANAGEMENT AT EDELRID

The goal of an environmental management system is to create a framework for the company to improve its eco footprint consistently. Organisational responsibility lies with the CSR team, which the environmental management officer is also part of. Throughout the company, further CSR-related ideas and suggestions are contributed and discussions held on environmental issues, such as production methods, purchasing requirements, product design or health and safety, and specifically incorporated into the various departments and managed centrally.

Our in-house EDELnet platform and information sessions for all EDELRID employees involve and inform the workforce in and about ongoing improvements in environmental protection throughout the company. As the designated contact, the environmental management officer is always on hand to deal with any environmental issues and can be contacted at csr@edelrid.de.

The CSR department acts as a task force and reports to the management board. Therefore, top management is responsible for the environmental management system. This approach is also encouraged because environmental targets, which have to be established annually by each department in the specific corporate targets, are integrated and monitored. These are listed in chapter V on our environmental targets.

Consequently, compliance with statutory regulations is important and therefore, the responsibility of the management board. We keep a legal register to ensure that we're aware of all the relevant rules and regulations. All relevant environmental regulations are adhered to.



3.1 | ENVIRONMENTAL GUIDELINE

When it comes to moving freely in the vertical world, EDELRID turns ideas into reality. We develop our equipment based on the three core requirements of safety, quality, and sustainability. Throughout this journey, we want to understand and make transparent each detail of the way our products are manufactured and used and the impact they have. We harness and share our expertise in order to make the best equipment, cut our carbon footprint and help users to assess risks carefully.

EDELRID takes responsibility for its commercial, social, and ecological impact. By adopting the following approaches, we're committed to ensuring that people can enjoy nature for a long time to come in a way that's sustainable:

- We pledge to run our business in as resource-friendly a way as possible and to improve its environmental performance consistently.
- We use innovative, resource-friendly, pollutant-free and recyclable, or recycled materials where possible. We also aim for top quality and durability so that our equipment lasts longer.
- We specify planet friendly manufacturing processes at our headquarters in Germany and require our international suppliers to do so to.
- We're involved and collaborate with environmental associations, organisations and competitors so that the whole outdoor industry continues to make advances in terms of environmental protection, sustainability and social responsibility.
- We conduct research, tests, and analyses to boost our expertise concerning the manufacturing, use and impact of our equipment and make our findings transparent for everyone to see.

We do, of course, also comply with all statutory requirements and go the extra mile where environmental protection is concerned.

Environmental management and sustainability are top of EDELRID's agenda. The CSR team reports to the management board, who are then directly informed about all the objectives, projects, and new issues.

3.2 | STAKEHOLDERS

A stakeholder is a person or group who is affected by or has an interest in the result of a process or project. Stakeholders are different to shareholders who have invested financially in a company.

You can see some of our stakeholder analysis below. It shows who EDELRID's stakeholders are and the relationship EDELRID has with them. The distance to the mountain top indicates the stakeholder's proximity to the company and the significance on sustainable development is reflected in the font size and boldness of the colour.

EDELRID fosters and encourages dialogue with these stakeholders and involves them in and reflects their core concerns in key decisions.



RELEVANT INFORMATION

4.1 | ASSESSMENT OF ENVIRONMENTAL ASPECTS

When considering the environmental impact of our business, we make a distinction between direct and indirect aspects.

Direct environmental aspects, such as energy and water consumption, are a direct result of our operations at the Isny site. As a result, we can very easily manage these, or, in the best case scenario, take steps to mitigate their impact.

Indirect environmental aspects are ones that aren't a direct result of our operations and that we have no influence over. For instance, our products' shipping routes have an indirect environmental impact.

The environmental aspects relevant to EDELRID were considered in the consolidated 2018 environmental report and re-evaluated based on environmental relevance and the extent to which EDELRID had an influence over them. An overview of the most important direct and indirect environmental aspects identified is shown below.

Direct environmental aspects (Isny site):

- Materials
- Water
- Energy
- Mission
- Waste

Indirect environmental aspects:

- Manufacturing of products/raw materials outside Isny
- Chemicals during the manufacture of products/raw materials outside Isny
- Sales and use of the products
- How employees get to and from work
- Car/lorry traffic
- Delivery of semi-finished products
- Disposal of products



4.2 | ENVIRONMENTAL PERFORMANCE

4.2.1 | CONSUMPTION DATA ENVIRONMENTAL ASPECTS

FLÄCHE & WIRTSCHAFTLICHE FAKTOREN

	Einheit	2015 (Basisjahr)	2019	2020	2021	2022	% - Änderung zum Vorjahr
Gebäudefläche gesamt	m²	9.800	11.500	11.500	10.900	12.100	11%
Beheizte Fläche	m²	7.535	9.135	9.135	8.535	9.735	14%
Grundstücksfläche	m²	9.243	10.100	10.100	10.100	10.100	0%
Versiegelt / Verbaut	m²	7.570	8.735	8.735	8.375	8.375	0%
Naturnahe Fläche Standort	m²	-	1.540	1.540	1.540	1.540	0%
Standortferne Naturnahe Fläche	m²	0	0	0	0	0	0%
MA gesamt Vollzeit (VZÄ)	-	134	160	174	175	189	8%
Bruttowertschöpfung	€	15.246.000	20.252.317	22.903.170	28.052.147	29.296.075	4%

In 2021, we started refurbishing and modernising our second office building and completed it in spring 2022.

As the original office building was demolished, the area heated dropped to 600m2 in 2021. However, the completion of the two-storey new build in May 2022 meant an 11% rise in floorspace or 14% rise in area to be heated.

GEFLECHTE

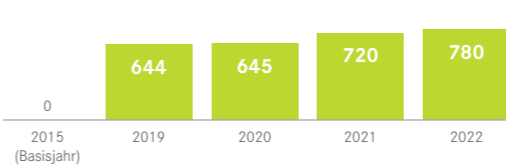
Geflechte Gesamt (m)



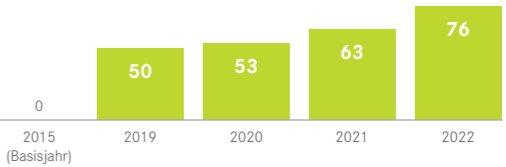
The quantity of ropes and lines produced in Isny rose again in 2022: 36.4 million metres translates into a 4% increase compared with the previous year.

MATERIALIEN

Verbrauch Rohgarn (t)
(gemittelter Wert über 3 Jahre)



Verbrauch Kartonagen (t)
(gemittelter Wert über 3 Jahre)



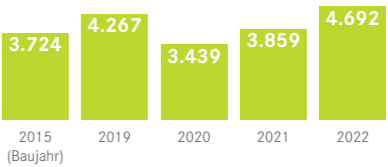
The consumption of materials also rose to match the greater number of ropes and lines produced. The figures above represent the material consumption based on the quantities purchased of raw yarn and cardboard, averaged over 3 years. While raw yarn is the feedstock for the braids produced at the Isny site, we need cardboard packaging to ship products to our customers.

WASSERVERBRAUCH

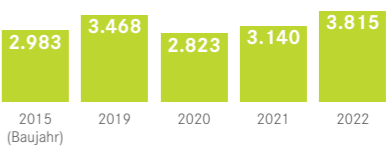
	m³	% - Veränderung zum Vorjahr
Lüftungsbefeuchtung Produktion EG + OG	690	64 %
Dämpfer / Konvektomat Produktionswasserverbrauch	462	35 %
Kühlwasserverbrauch	2.091	46 %
Enthärtungsanlage	k.A.	-
Andere	376	-
= Produktionswasser gesamt	3.619	51 %
Sozialwasser Produktion	567	- 53 %
= Verbrauch Produktion gesamt	4.186	17 %
Sozialwasser Verwaltung	412	49 %
= Verbrauch gesamt	4.598*	19 %

* Wert aus eigenen Zählerständen
** Wert aus Abrechnung Stadtwerke Isny

Wasserverbrauch (m³)



Abwasser (m³)

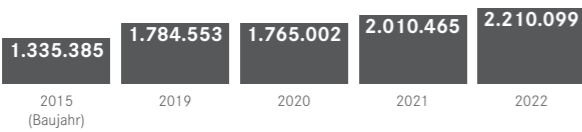


The table above shows where water is consumed at our Isny site. In 2022, water consumption increased by 19%. To identify what the main factors influencing consumption are, water from sanitary facilities and production are listed separately. This shows that water consumption from sanitary facilities in the production and office building has decreased overall, but the figures have shifted. This is due to the completion of the new building and installation of additional sanitary and cooking facilities. Production-related water consumption has risen sharply on the other hand. This is due to the modernisation of our cooling system. The new system has cut temperatures in production considerably, which makes the workspace a lot more pleasant for our employees. However, the cooler room temperature also means that more water is required as a result. The difference between water consumption and waste water, shown in the figure above, is due to the process required to achieve the temperature in the room.

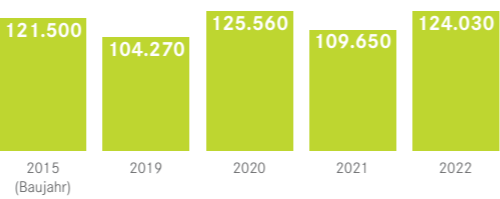
ENERGIE

	kWh
Verwaltung (Zähler)	103.600
Produktion (Zähler)	2.106.499
= Gesamt	2.210.099

Stromverbrauch (kWh)



Stromproduktion eigene PV-Anlage (kWh)



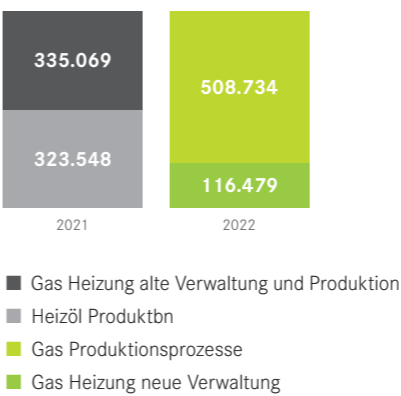
It’s important to mention that in early 2022, we converted from a conventional mix of electricity to green electricity. This move translates to a huge milestone in terms of cutting carbon emissions. The table above shows electricity consumption divided into offices and production. Offices have a much smaller share in overall electricity consumption than the production department, which requires a lot of energy. The conversion and modernisation of our two office buildings (with energy-efficient, state-of-the-art equipment, LEDs and presence detectors) over the past five years have made a huge difference. Furthermore, flow heaters have now replaced gas to provide hot water. This switch entails greater electricity consumption but lower gas consumption.

As we purchase green electricity, this step also has a positive impact on our carbon footprint. Most of our electricity consumption is attributed to the production department. To ensure maximum energy efficiency in this area too, wherever feasible, we use technology that’s as energy efficient as possible in our production building. Rope manufacturing in particular means we need a large number of machines, which we’re gradually converting to more modern and therefore more efficient ones.

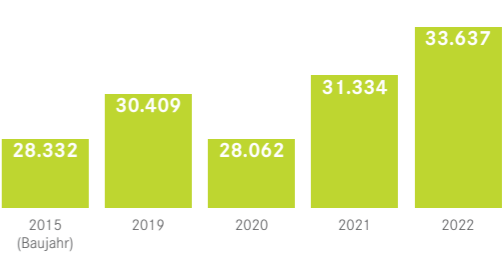
We feed the electricity generated from the solar power system in our production building into the grid. Compared to 2021, there’s been a 13% increase in electricity generation in this case too. The key reason is that we had the solar power system professionally cleaned in 2022.

The heating energy consumption data reflects the switch from heating oil to gas in December 2021. Gas consumption for heating dropped by 60%. It decreased because, once the new building had been completed, both office buildings were cooled and heated via a heat pump. Before start of construction however, the old office building was still being heated with gas. The water required for the heat pump is drawn from the company’s own spring. The electricity, as already mentioned, is green electricity. As production machinery that consumes energy is now only operated with gas instead of oil following the conversion, gas consumption overall has risen by 86%. That might seem a lot at first glance, but because the calorific value of gas is better than that of heating oil, it has a positive impact on the carbon dioxide equivalents emitted (see emissions).

Gas- und Heizölverbrauch (kWh)



Dieserverbrauch (Liter)



Diesel consumption reflects our vehicle fleet’s consumption, in other words our service- and pool-vehicles. In 2022, we had 18 vehicles, but the service vehicles are also used privately. Following the restrictions imposed during the coronavirus pandemic, more business trips took place again in 2022, which led to a significant rise of 30% in the kilometres covered. On the other hand, diesel consumption only rose by 7%. The reasons for this slight rise lie in the replacement of a vehicle with a combustion engine with an electric one and the way our employees increasingly drive to economise on fuel. The high price of diesel due to the conflict between Russia and Ukraine and the aftermath of the coronavirus pandemic are the key motivating factors.

Weitere Verbrauchsdaten

	Einheit	2015 (Basisjahr)	2019	2020	2021	2022	% - Änderung zum Vorjahr
Propangas	l	346	19	112	11	276	2409 %
Fahrtstrecken Flotte	km	44.121	480.611	342.528	421.809	548.939	30 %

Propane gas is another source of consumption. The rise in consumption appears to be disproportionately high at first glance. However, this development is rooted in a distortion of purchasing statistics. In previous years, remaining stocks of aluminium gas cartridges were used up, whereas in 2022 the company switched to 5 kg gas cylinders. This conversion saves aluminium waste and has a positive impact on health and safety.

ABFALL

	Einheit	2015 (Basisjahr)	2019	2020	2021	2022	% - Änderung zum Vorjahr
Garnabfall	t	4	3,40	5,40	15,12	18,67	23 %
Polyamid Abfall	t	67	72,61	66,99	69,51	88,17	27 %
Aramid Abfall	t	-	-	0,65	1,20	1,39	16 %
Kartonagen- / Papierabfall	t	43	45,30	38,95	49,15	54,20	10 %
Gartenabfälle	t	3	1	1,80	0,72	0,51	- 29 %
Altholz	t	-	-	-	25,95	26,43	2 %
Sondermüll	t	1	5,80	6,90	9,08	10,15	12 %
Abfälle zur Verwertung Hausmüll	t	41	40	51,17	28,78	34,50	20 %
Metallschrott	t	2	2	13,80	8,30	7,65	- 8 %
Wässrige, flüssige Abfälle, die gefährliche Stoffe enthalten	t	Siehe Sondermüll	Siehe Sondermüll	Siehe Sondermüll	Siehe Sondermüll	Siehe Sondermüll	Siehe Sondermüll
Sonstiges	t	0	0	0	1,13	1,02	- 10 %
= ABFALL GESAMT	t	161	170,11	185,01	208,94	242,67	16 %
Recyclingquote	%	-	-	-	0,83	0,83	0 %

In 2022, we continued detailed collating of diverse waste fractions. As a result, it’s possible to make precise comparisons between 2021 and 2022. In 2022, 242,67t of waste were disposed of. This figure translates to an increase of 16% compared with the previous year. Just like the previous year, polyamide waste is the main waste fraction this year. Production generated just under 88.2t of polyamide waste, closely followed by cardboard packaging at 54.2t. Both types of waste clearly reflect our growth and the associated higher production output.

General waste/domestic waste for recycling is another major type of waste. At 34.5t, this type of waste has risen by 20%. One reason could lie in the greater number of employees, but also extra waste caused by our construction programme.

Abfall Gesamt (t)

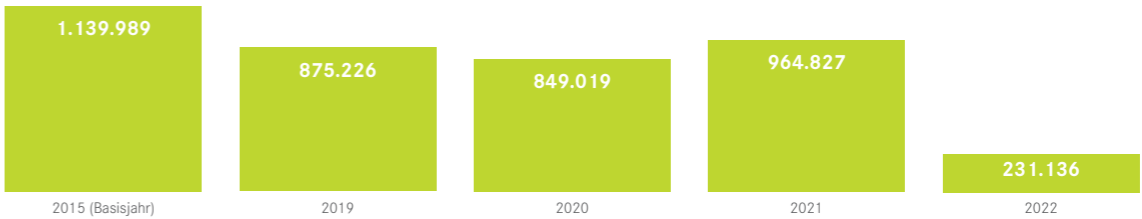


CO₂ AUSSTOSS

	Einheit	2015 (Basisjahr)	2019	2020	2021	2022	% - Änderung zum Vorjahr
CO ₂ aus Strom	kg	866.650	608.533	599.479	719.746	0	- 100 %
CO ₂ aus Heizöl	kg	196.295	184.515	145.289	86.711	0	- 100 %
CO ₂ aus Gas (Heizung)	kg	0	0	29.261	73.715	25.625	- 60%
CO ₂ aus Gas (gesamt)	kg	507	176	29.437	75.228	140.064	86 %
CO ₂ aus Diesel	kg	76.537	82.148	74.733	84.647	90.869	7 %
CO ₂ aus Propangas / Flüssiggas	kg	507	176	176	8	203	2409 %
= CO ₂ GESAMT	kg	1.139.989	875.226	849.019	964.827	231.136	- 76%

In 2022, emissions improved significantly compared with the previous years. Overall, our consumption-related carbon footprint has shrunk by 76%. The main reason is due to the switch from a conventional electricity mix to green electricity. The switch from heating oil to gas is another major factor. Because gas has a better calorific value, carbon emissions also dropped. Carbon emissions due to the use of propane gas appear to be disproportionately high at first glance; however, compared to emissions overall, it’s comparatively low. Reasons for the increased consumption of propane gas have already been explained above. Another positive factor is that EDELRID is also embracing the shift to sustainable forms of transport. By installing charging stations on the premises and on public parking spaces for visitors and purchasing an e-vehicle for our fleet, we’re starting to switch from vehicles with combustion engines to electric ones. This step isn’t evident in the carbon footprint, but does support efforts to limit global warming to 1.5°C.

CO₂ Gesamt (t)



4.2.2 | KEY PERFORMANCE INDICATORS

By creating key performance indicators, we can monitor developments in our company and focus on the environmental impact. What’s more, it’s a good way of checking the effectiveness of the measures taken.

KERNINDIKATOREN

	Einheit	2020	2021	2022	% - Änderung zum Vorjahr
Stromverbrauch/Mitarbeiter*in	kWh/VZÄ	10.103,50	11.462,17	11.480,25	0,16 %
Stromverbrauch/Bruttowertschöpfung Isny	kWh/1.000€ BWS	76,76	71,67	74,02	3,28 %
Heizenergieverbrauch/Mitarbeiter*in	kWh/VZÄ	3952,28	3793,93	616,65	- 83,75 %
Heizenergieverbrauch/Bruttowertschöpfung Isny	kWh/1.000€ BWS	30,03	23,72	3,98	- 83,24 %
Produktionswärme/Bruttowertschöpfung Isny	kWh/1.000€ BWS	-	-	13,98	-
Kraftstoffverbrauch/Fahrtstrecke Flotte	l/100 km	8,00	7,43	6,13	-17,51 %
Produzierte Ware in t/Verbrauch Rohgarn t*	t	0,89	0,903	0,887006	-1,82%
Gesamtabfall/Bruttowertschöpfung Isny	t/1.000€ BWS	0,00803	0,00745	0,00828	11,21 %
CO ₂ -äquivalente Emissionen/Mitarbeiter*in	kg/VZÄ	4878,41	5500,73	1223,65	-77,75 %
CO ₂ -äquivalente Emissionen/Bruttowertschöpfung Isny	kg/1.000€ BWS	37,06	34,39	7,89	-77,06%
Sozialwasser/Mitarbeiter*in	m³/VZÄ	5,53	8,38	5,18	-38,16%
Produktionswasser/Bruttowertschöpfung Isny	m³/1.000€ BWS	0,11	0,085	0,12	45,05%

=(Verbrauch Rohgarn - Rohgarnabfall)/Verbrauch Rohgarn

In 2022, the number of employees rose significantly compared with the gross value added. This is also re-flected in the key performance indicators. For example, electricity consumption per FTE only rose by 0.16%, whereas electricity consumption per €1000 of GVA was 3.28%. 2022 is a year primarily marked by more climate-friendly business operations. Compared with the previous year, emissions were cut by around three quarters. As a resource, water is the most critical. Less water from sanitary facilities per employee was used, but a great deal more water from production per €1000 of GVA. Which is why it’s vital that this resource is monitored closely in the following year. The key performance indicators we developed allow us to spot im-provement potential and consistently make our environmental management system better.

ENVIRONMENTAL TARGETS

5.1 | ENVIRONMENTAL TARGETS ACHIEVED

CONSTRUCTION MEASURES

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
New building Redevelopment and refurbishment of the Nord offices	As part of the planned extensions and further refurbishment from spring 2017 onwards, we want to apply the latest, sustainable, and eco-friendly, KfW-55-compliant construction methods.	Senior management	Feb 2018
New building phase 2 Redevelopment and refurbishment of the Süd offices	As part of the planned extension and associated refurbishment, from summer 2021 we want to apply the KfW 55 construction standard for the extension and KfW 70 for the refurbished section	Senior management	Dec 2022

MANAGEMENT

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Environmental protection legislation Update expertise on the latest environmental protection legislation	An external service provider is to provide a compliance audit in order to take organisational precautions to monitor adherence to environmental protection regulations in more detail again.	CSR/legal	Sep 2021
Transport Reduction in private cars at the site	Adoption of works agreement on remote working	HR/senior management	Aug 2022

HEALTH AND SAFETY

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Accidents at work Decreasing days off sick due to accidents at work (except for accidents while commuting to and from work)	We want to empower our managers to cut the number of accidents at work (<30 days). 2019: 4 days lost 2020: 31 days lost 2021: 7 days lost 2022: 15 days lost	Manager/ safety officer/senior management/production management	Dec 2022

SUPPLY CHAIN

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
bluesign® system Incorporation of more suppliers in the bluesign system	We are collaborating with one of our suppliers to ensure that they also become a bluesign® partner and comply with bluesign® requirements on environmental protection, resource conservation and occupational safety	CSR/purchasing	Dec 2022

PRODUCTS

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
bluesign® product Climbing harnesses developed to the bluesign® standard	We also want to develop a child's harness based on bluesign® standard	Product development/Product management	Dec 2019
bluesign® product Switch our chalk bags to the bluesign® standard	Our chalk bags will be 100% bluesign®. For the 2020 collection, we want to convert our chalk bags to the bluesign® standard.	Product development/Product management	Dec 2019
Life Cycle Analysis (LCA) Analysing our core rope product	We're drawing up a life cycle analysis of our ropes to gain an overview of any emissions or impact on the environment.	Product management	Sep 2020
Recycling Carrying out R&D to investigate whether PA 6 can be reused as the raw material for rope production	Market launch of the first rope made from Neo 3R ropes (9.8 mm)	Product development/Product management	March 2021
Recycling Development of a climbing helmet made of recycled granules	For the 2023 collection, we want to collaborate with suppliers to develop and sell a sustainable helmet, made of recycled granules, for our sports segment (possibly for the safety segment later on).	Product development/Product management	May 2022
Recycling Increasing use of recycled materials in our product range 2023	In our helmet, transport, and clothing product lines, we're developing further product highlights and using recycled materials and waste from production for the 2023 product range.	Product development/Product management	May 2022

RESOURCES

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Energy E-bike charging point	We'll be installing charging points for our employees with e-bikes so that they can recharge their bikes free of charge there.	Facility management	March 2019
Compressed air Fitting of a compressor booster for the 9 bar machine	Instead of fitting a booster, we've cut the machine's air pressure to 6.5 bar.	Facility management/ environmental management officer/senior management	Nov 2019
Energy Convert to a new, modern heating system with 2 boilers	We want to take a new approach here and go to the next step. A new, modern, and more efficient gas heating system will allow us to heat the facilities properly in the coming winter. By converting to a condensing boiler heating system with two boilers, we expect energy efficiency to rise.	Facility management/ senior management	Dec 2020
Energy Converting from heating oil to gas	By connecting to the gas network, we want to generate heat and steam in a more up-to-date manner. We'll do so in two steps: heating with gas from 2020, steam generator from 2021. We're aiming for the conversion to save approx. 50 t of carbon dioxide.	Facility management/ senior management	Dec 2020/2021

RESOURCES

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Energy Replacement of the ventilation/cooling equipment in the production dept.	To start with, some of the existing ventilation and cooling equipment in the production department was replaced. The rest of the equipment will now follow. The equipment was selected because of its better ecological and energy efficiency.	Facility management/ senior management	Dec 2020/2021
Carbon emissions Cycling to work	The purpose of an in-house employee challenge was to cycle 34,726 km to work, a distance that would otherwise have been covered by car. This figure translates to carbon savings of approx. 5 t CO2.	Employees	Dec 2021
Waste Reduction in aramid waste	The goal is to cut aramid waste from production by 50% by improving the raw yarn mix, lengths produced and introducing rolling pay-off creels.	Production management/ Customer solutions	Dec 2021
Energy Development of a new core finishing machine	The purpose of a new machine development in the production department is to boost process reliability and therefore the reject rate and to make operating the machine more user friendly. The goal is to be able to measure the ecological improvements in a robust way.	Production management	Dec 2021
Energy Conversion to electricity from renewables	All electricity purchased to be from renewables with a certificate as proof	Senior management	Jan 2022
Waste Reduction of single-use waste	New coffee makers in our production facility increased the financial incentive for employees to bring their own cups with them instead of filling single-use ones. A coffee in a single-use cup costs 35 cents, whereas one in a cup brought from home costs 30 cents.	Facility management/ senior management	Jun 2022
Energy Increase in and modernisation of charging points for e-vehicles	Increase in e-vehicle charging points from 3 to 10 for use by employees and the public (3 charging stations with 2 charging points for internal and 2 charging stations with 2 charging points for public use).	Facility management/ senior management	Aug 2022
Paper Low paper accounting	Paper consumption is to be reduced by analysing all paper/print-dependent processes, checking whether paper/printing is even necessary and making changes if appropriate. Approx. 2,200 sheets of paper annually are now saved because bank statements are digital.	Accounts dept./IT	Sep 2022
Waste Reduction of compound waste	By establishing the specific compound requirements for each rope type and dispensing exactly the right quantity of compound, we want to reduce compound waste by >20%. We didn't quite reach the target, but did cut compound waste by 17%.	Production management	Dec 2022
Carbon emissions Cycling to work	The purpose of an in-house employee challenge was to cycle 38,000 km to work, a distance that would otherwise have been covered by car. This figure translates to carbon savings of approx. 5.5 t CO2. At just under 40,260 km, we even managed to exceed the target.	Employees	Dec 2022

5.2 | NEW AND ONGOING TARGETS

RESOURCES

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Transport Creation of a guideline to reflect ecological aspects	Development of a business travel guideline to reflect ecological aspects, such as approval criteria for air travel as well as subsequent mandatory carbon offsetting	CSR/senior management (completed)	Jan 2023
Transport Assessment of alternative types of energy for our vehicle fleet	Identification and evaluation of opportunities to integrate alternative forms of energy into our vehicle fleet	Facility management/ senior management/CSR (pending)	May 2023
Environmental management system 2.0 Updates and changes to the environmental management manual	The 2019 environmental management manual is to be updated and the use of the procedural instructions and their accuracy mentioned in the manual is to be checked or changed to reflect the environmental management system.	CSR (pending)	Dec 2023
Stakeholders Analysis of expectations by the stakeholders identified	The stakeholder analysis, carried out on our behalf, skipped one step and listed measures designed to serve our stakeholders. To round off the process, their expectations are to be analysed first so that we can identify the extent to which these can be met with the existing system or measures planned.	CSR (pending)	Dec 2023
Carbon emissions Company-wide climate strategy roadmap	Adoption of a climate strategy, discussed at management level, throughout the company regarding targets, measures and building blocks to achieve our goal on climate neutrality at the Isny site and on the carbon emissions our operations cause worldwide	CSR (pending)	Dec 2023
Carbon emissions Carbon analysis of air freight	Now that our key performance indicators have been expanded to include air freight analysis and an assessment of our air freight budget based on carbon emissions, a carbon budget for airfreight is to be defined for 2023.	Purchasing (pending)	Dec 2024
Environmental management system 2.0 Modernising and amending the existing EMS and the underlying reporting	Revising and modernising the format and content of the environmental report in order to inform the public and our own employees in a more targeted way	CSR/Marketing (pending)	Dec 2024

PRODUCTS

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Life Cycle Analysis (LCA) Definition of strategy, external validation, and assessment of further products	Definition of long-term goals and a strategic approach to LCAs, as well as an external validation of our first LCA for dynamic ropes by myclimate. This will be followed by further LCAs for climbing boots and carabiners.	Product management/CSR (pending)	Dec 2022
Climb Green Establishment of Climb Green as a transparent product standard	Adoption as well as internal and external communication of the Climb Green criteria and the annual Climb Green range	Product management/ CSR/marketing (pending)	Dec 2023
PFC-free rope impregnation PFC-free ropes by 2026	Increase in our Eco Dry finish to include the whole rope range – 100% PFC-free ropes	Product development/ Product management (pending)	Dec 2026

RESOURCES

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Energy Electricity economies by dispensing with desktop PCs	As only 5% of workspaces now have desktop PCs and the existing PCs are to be replaced with IGEL Universal Desktop Converters, the goal is to save approx. 610 kWh/annually per replaced device.	IT (pending)	Oct 2023
Paper Digitisation of contracts	Launch of DocuSign so that contracts to enable digital signing and filing of contracts.	IT (pending)	Dec 2023
Carbon emissions Cycling to work	The goal is to get more people to join the in-house employee challenge, created to encourage cycling to work: during 2023, we want to increase the number of people taking part in 2022 (24) to 44.	Employees (pending)	Dec 2023
Waste Cutting rope waste	By making employees aware of waste, we want to cut the annual reject rate to below 0.45% in 2023.	Production management (pending)	Dec 2023

REPORTING

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Carbon footprint Revision, structuring and communication of the carbon footprints	Underpinned by greater expertise gained during training, the carbon footprints already drawn up for 2020 and 2021 at the Isny site are being revised and 2022 added and prepared for internal and external communication.	CSR (pending)	Dec 2023
Key performance indicators Revision of our resource consumption figures	Recapture and documentation of our electricity consumption and generation, water, waste water, waste, oil, diesel, meters	CSR/facility management (pending)	Dec 2023

HEALTH AND SAFETY

	MEASURE	RESPONSIBILITY	IMPLEMENTATION
Accidents at work Decreasing days off sick due to accidents at work (except for accidents while commuting to and from work)	By boosting the number of managers, we want to decrease the number of accidents at work. 2020: 31 days lost 2021: 7 days lost 2022: 15 days lost 2023: <30 days	Manager/safety officer/senior management/production management (pending)	Dec 2023
Air quality Improvement of the workplace climate	A cyclone extraction system in the stretching and finishing department has been installed to improve the air quality and therefore reduce employee exposure to pollutants. Furthermore, we will analyse the air and room temperature in the whole of the production department consistently to ensure that relevant parameters are constantly monitored and, if necessary, further measures taken.	Production management (pending)	Dec 2023

*** Anmerkung jh: Diese Abkürzungen sind für die EN Version nicht relevant CS = Customer Solutions
 CSR = Corporate Social Responsibility
 EK = Purchasing
 FaSi = Occupational Safety
 FiBu = Accounting
 FM = Facility Management
 GL = Senior Management
 HR = Human Resources
 MA = Employees
 PL = Production Management
 PM = Product Management
 UMB = Environmental Management Officer

VALIDATION BY THE ENVIRONMENTAL AUDITOR

Next environmental report

The next consolidated environmental report will be presented for validation in August 2025 at the latest. In the years in between, an annual update of the environmental report will be drawn up and presented to the environmental auditor for validation.



The following environmental auditor/environmental auditing organisation has been appointed:

Dr Norbert Hiller (licence no. DE-V-0021)
 Intechnica Cert GmbH (licence no. DE-V-0279)
 Ostendstr. 181
 90482 Nuremberg, Germany

Validation confirmation

The undersigned, Dr Norbert Hiller, EMAS environmental auditor, registration number DE-V-0021, accredited or licensed for the areas 13.99 as well as 32.30, (NACE code rev. 2) confirms that he has verified whether the site or the whole of EDELRID GmbH & Co. KG, as stated in the environmental report (registration no. DE-165-00072), meets all requirements of Regulation (EC) no. 1221/2009 of the European Parliament and of the Council of 25 November 2009 and the amended regulations 2017/1505 of 28 August 2017 and 2018/2026 of 19 December 2018 on the voluntary participation by organisations in a joint eco-management and audit scheme (EMAS).

The signature under this report confirms as follows:

That the assessment and validation have been carried out in compliance with the requirements of Regulation (EC) no. 1221/2009 and the amended regulation 2017/1505 of 2018/2026

That the result of the assessment and validation confirms that there is no evidence of non-compliance with the applicable environmental regulations

That the data and information in the organisation's/site's environmental report provides a reliable, credible and true picture of all the organisation's/site's operations within the area specified in the environmental report.

Nuremberg, 31 March 2023

Dr Norbert Hiller



MANAGEMENT BOARD APPROVAL

The purpose of this environmental report is to inform our employees, customers and business partners about environmental protection in our company. All the information provided in this environmental report is true and the public may have access to it.

The management board is responsible for approving this environmental report.

The next consolidated environmental report will be presented in August 2025 at the latest.

We're interested in what you think.

Who to contact for more information:

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