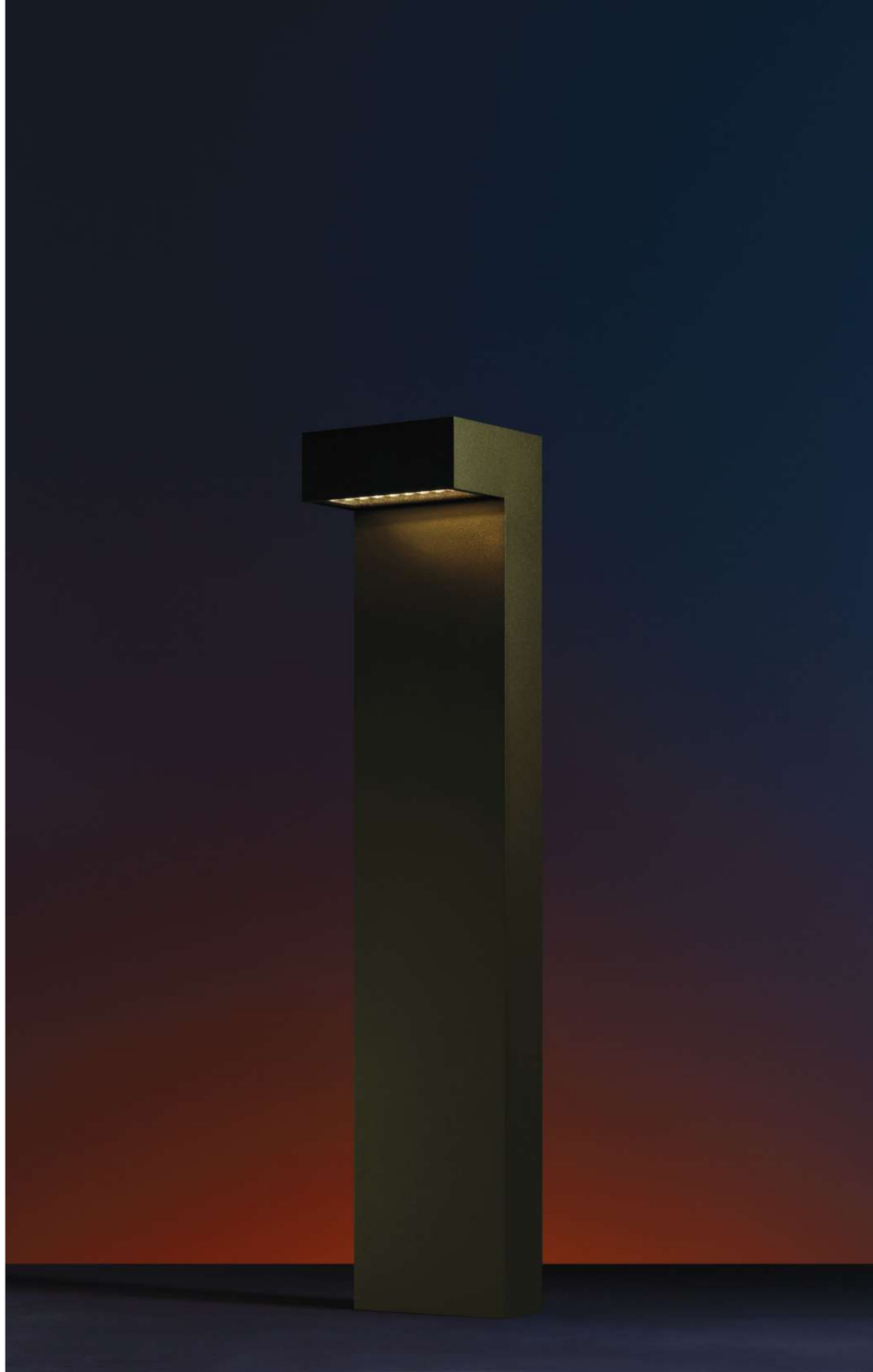
sustainability statement: thinking light, thinking future.



“The light scatters in all directions.”, ewo’s co-founder Ernst Wohlgemuth asserted back in the 1980s while he and co-founder Flora Emma Kröss were studying the region’s streetlights, tinkering with the idea of expanding their metal workshop in Sarnthein/Sarentino to outdoor lighting. Ernst was sure: “There has to be a better solution.”

Precise lighting distribution has been one of the company’s prime objectives ever since ewo began developing its own lighting systems with conventional technology, further mastered it when tackling LED and will continue to prioritize it without compromise. ewo works to protect the environment out of conviction. Sustainability is not a new buzzword to ewo, but a mainspring of action.

Likewise, the second generation of ewo, led by Hannes Wohlgemuth, brings into focus the capacity of ewo to take an active role by emphasizing the mission to “empower wellbeing outdoors”. Hannes says: “Public space is democratic. It is here for everyone: to enter into dialogue and explore new possibilities through new encounters. In the end it is all about people – and our planet.”

Now and in the future even more so, especially smart lighting can improve people’s wellbeing, because digitization gives us many incredible opportunities to dynamically design an outdoor space, thus contributing in a great deal to reducing our carbon footprint.

“Customers are thinking more about energy costs and how they can reduce spending and emissions. Smart lighting can improve people’s wellbeing – because digitization gives us so many incredible opportunities to dynamically design an outdoor space – and the climate footprint.”

Hannes Wohlgemuth, CEO

from artisan workshop to internationality

A company that places people and their wellbeing outdoors at the center of its philosophy will do everything to ensure that this wellbeing can be as longterm, sustainable, and future-oriented as possible.

ewo delivers a sustainable approach accross key focus areas:

our solutions

our actions

our culture

Top: Office building and exhibition hall of the Sarnthein/Sarentino workshop, 1987

Bottom: New headquarters, combining office space and production site, designed by architect Markus Tauber, Kurtatsch/ Cortaccia, 2004

the official united nations 17 sustainable development goals (SDGs)

01	no poverty
02	zero hunger
03	good health + wellbeing
04	quality education
05	gender equality
06	clean water + sanitation
07	affordable + clean energy
08	decent work + economic growth
09	industry innovation + infrastructure
10	reduced inequalities
11	sustainable cities + communities
12	responsible consumption + production
13	climate action
14	life below water
15	life on land
16	peace, justice + strong institutions
17	partnership for the goals

working towards SDG

The goals ewo sets are aligned with the relevant SDGs, contributing to the global effort of creating a sustainable planet. ewo's focus areas support the following goals:

✓ 09	industry innovations + infrastructure
✓ 11	sustainable cities and communities
✓ 12	responsible consumption + production
✓ 13	climate action
✓ 03	good health + wellbeing

our solutions

our actions

our culture

our solutions

empowering innovation for environmental care

The products ewo develops and produces reflect the sustainability approach par excellence: optical control of the light and in the innovative power of our luminaires. Longevity of products through modularity, efficacy of our lighting solutions through LED technology, and state of the art control solutions are key. ewo is beginning to document the energy footprint of its products, having worked to protect dark skies since the company's inception.

- product quality
- assessing the energy bill
- product lifetime
- luminaire materials
- product efficacy
- case studies
- ewoLightLogger
- dark sky approved luminaires

product quality

ewo is ISO 9001:2015 certified (Quality management). Under our quality management system, processes have been set up across all areas of operation that ensure quality in our operations and an efficient day-to-day management.

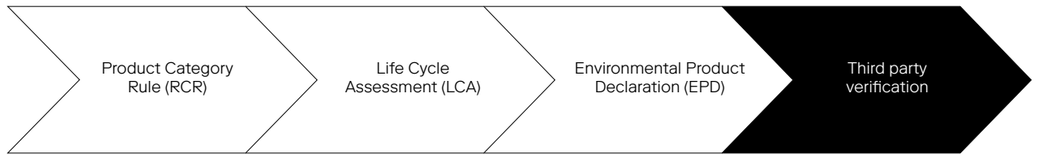
- ISO 9001:2015
  quality management system
- EN 40–5:2002
  certification for poles
- ISO 14001:2015
  for environmental management
- EN1090
  for statically relevant components
- EN 1090–3:2019
  Welding Certificate for execution of structural aluminium components
- EN 1090–2:2018
  Welding Certificate for execution of structural steel components
- EN 1090–3
  Structural components and kits for aluminium structures to EXC1
- EN 1090–2
  Structural components and kits for steel structures to EXC2
- ETL listed Production qualification
  for devices certified for the U.S. market
- ENEC IEC Production qualification
  for devices certified for the world

assessing the energy bill of our products

As a responsible company, we are committed to reducing our environmental impact and promoting sustainability throughout our product lifecycle. To achieve this, we are currently evaluating the implementation of the Environmental Product Declaration (EPD) process under ISO 14040. This process would enable us to assess the energy footprint of our products from raw material supply to disposal, and identify opportunities to reduce our environmental impact.

Through the EPD process, we can then evaluate the environmental impact of our products based on a range of factors, including raw materials, energy use, emissions, waste generation, and transportation and identify areas for improvement, to develop strategies to reduce our energy footprint.

Like most manufacturing businesses, ewo is on a journey towards creating the tools that will then help us implement an efficient and well working EPD certification process.



PCR – Product Category Rules (ISO 14025)

A PCR is a copyrighted document that is part of the EPD “cookbook” and contains the recipe to create a high-quality EPD for any product category of interest. The PCR provides the instructions for how the life-cycle assessment (LCA) should be conducted.

It sets out any relevant considerations, including but not limited to:

- System boundaries, i.e. which processes and stages of the product’s life cycle need to be reviewed
- Declared/functional unit: the amount, weight and service life of the product being assessed
- How to define e.g. the use phase and end-of-life options
- What impact categories need to be assessed in addition to the standards described in our General Program Instructions (GPI)

LCA – Life Cycle Assessment of products (ISO 14040)

LCA is a systematic analysis of how our products impact the environment, including the amount of energy the product consumes throughout its entire lifecycle. From production, use, recycling and including all pre- and post manufacturing processes such as raw materials.

To this end, ISO 14040 describes the principles and framework for life cycle assessment (LCA) including:

- definition of the goal and scope of the LCA
- the life cycle inventory analysis (LCI) phase, the life cycle impact assessment (LCIA) phase
- the life cycle interpretation phase, reporting and critical review of the LCA
- limitations of the LCA
- the relationship between the LCA phases, and conditions for use of value choices and optional elements.

EPD – Environmental Product Declaration (EN 15804)

An Environmental Product Declaration (EPD) is a standardized document informing about a product’s potential environmental and human health impact. The EPD is produced on the basis of Life Cycle Assessment (LCA) calculations, and provides a quantitative basis for comparison of products and services.

In addition, the EPD must be produced according to a specific set of Product Category Rules (PCR) which provides calculation rules and guidelines to ensure that all Environmental Product Declarations under the same category report the same type of information.

product lifetime

The lifetime of a luminaire is affected by several factors, including the lifetime of the LEDs, the luminaire housing, and the electronics inside.

Firstly, the lifetime of the LEDs is critical in determining the longevity of a luminaire. LEDs are known for their long lifespan, with most high-quality LEDs rated to last for tens of thousands of hours. However, the quality of the LED and the operating conditions, such as temperature and voltage, can also affect its lifetime. Proper thermal management and voltage regulation can help extend the life of LEDs.

Luminaire housing is also important in determining its lifespan. The housing material and design can impact durability, and resistance to environmental factors such as moisture, dust, and UV radiation.

Finally, the electronics inside the luminaire also play a crucial role in determining its lifespan. The power supply and other electronic components can be subject to wear and tear over time, and the quality and reliability of these components can vary. High-quality electronic components with proper thermal management and voltage regulation can help to prolong the life of a luminaire.

Overall, the lifespan of a luminaire depends on the quality of all its components and how well they are designed and integrated together. By using high-quality materials, careful thermal management, and proper voltage regulation, it is possible to extend the lifespan of a luminaire and ensure that it provides reliable lighting for many years.

our modular building block system: resource efficiency

Modular product design is an innovative approach to product development that allows for the easy refurbishment, maintenance, and eventual recycling of a luminaire. This design strategy breaks down the luminaire into its component parts, making it easy to replace and repair individual elements as needed.

One of the key benefits of a modular design is that it extends the lifetime of a luminaire. Rather than having to replace an entire fixture when a single component fails or becomes outdated, modular luminaires can be easily refurbished or upgraded with new, more efficient components. This allows for a longer lifespan for the luminaire, reducing the need for frequent replacements and reducing the environmental impact of discarded fixtures.

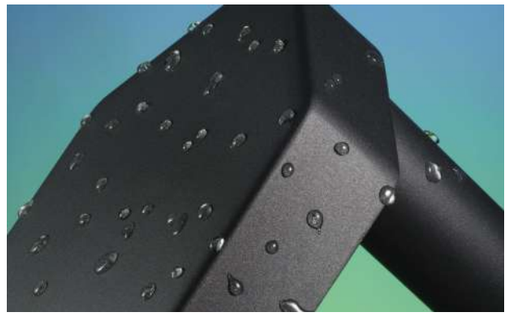
long-term cost saving

ewoExtremeCorrosionProtection is an internally developed corrosion protection process that is suitable for projects in extreme weather conditions or for example, in coastal regions.

The procedure consists of four steps:

① creating a corrosion-resistant alloy of materials with lower copper content;
② applying a coating for pre-treatment to achieve perfect adhesion;
③ applying the ewoProtectiveLayer: a proprietary coating for high-quality corrosion resistance; and
④ finishing with a powder coating of the customer's choice.

↘ More information



luminaire materials

Today, ewo mainly uses virgin material to maintain high quality standards. Although continuously evaluating recycled alternatives, ewo has not yet found a suitable substitution that meets our quality requirements.

However, ewo is highly focused on reducing the overall material used in luminaires during the design process and on designing modular luminaires that last longer and can be upgraded and repaired during their product lifetime.

Despite using virgin materials, all of these measures help to reduce the amount of material used and to also keep this material in use for longer with longer product life cycles enabled by modularity.

GO hot-dip galvanized

GO aluminum powder-coated

copper content

One of the key requirements for aluminum alloys used in lighting is a low copper content. This is because copper can cause corrosion and discoloration over time, especially in harsh outdoor environments. Alloy EN44300 has been developed specifically to meet this requirement, with a copper content of less than 0.1%. As a result, it offers superior durability and resistance to corrosion, making it an ideal choice for high-quality, long-lasting luminaires.

At ewo, we work with a copper content of ≤0.08%, which makes our luminaires corrosion resistent, and suitable for the most hostile environments such as coastal areas. This also allows us to offer uncoated luminaires.

finishes

When it comes to designing and producing sustainable lighting solutions, choosing the right finish is a crucial factor. One of the most environmentally-friendly finishes available for luminaires is the galvanized finish.

Hot-dip galvanization involves coating the metal with a layer of zinc, which not only enhances the durability and corrosion resistance of the metal, but also creates a unique and attractive aesthetic. Galvanization is a low-impact process that uses minimal resources and produces very little waste.

product efficacy

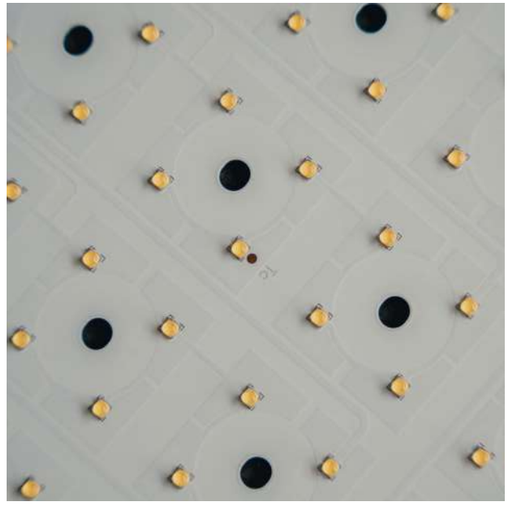
1 LED technology
2 optics
3 electronics
4 controls

LED, optics, electronics and controls are all essential components of a highly efficient lighting solution. By working together, they can create lighting that is not only energy-efficient but also highly effective in illuminating urban spaces.

At ewo, we believe that efficient technology not only helps conserve resources but also plays a pivotal role in enhancing the quality of light to empower wellbeing outdoors. We understand that lighting has a profound impact on the human experience, and we are dedicated to creating lighting solutions that prioritize both energy efficiency and human-centric design. By harnessing advanced systems and processes, we optimize resource utilization while delivering exceptional light quality that promotes comfort, safety, and a sense of well-being in outdoor spaces.

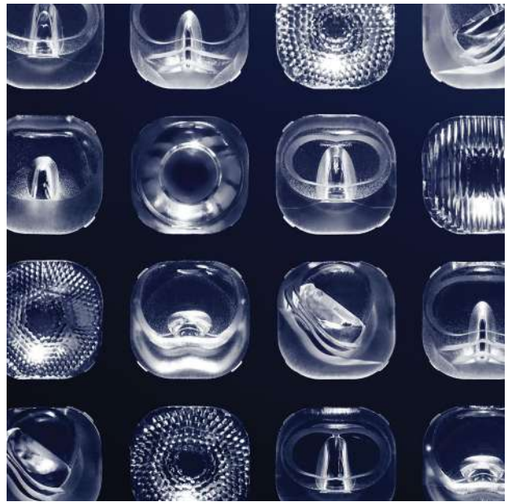
Our mission is to illuminate the world with efficient and high-quality lighting, making a positive impact on people's lives and the environment. Together, let's create a sustainable future where efficient technology and light quality coexist harmoniously, transforming outdoor spaces for the betterment of all.

ewo possesses specialized software that performs heat management calculations, ensuring longevity. This eliminates the need for producing oversized heat sinks. Through this innovation, ewo has gained expertise in high-performance floodlights, which can now be applied to small architectural spotlights. The advantage lies in having all this knowledge in-house.

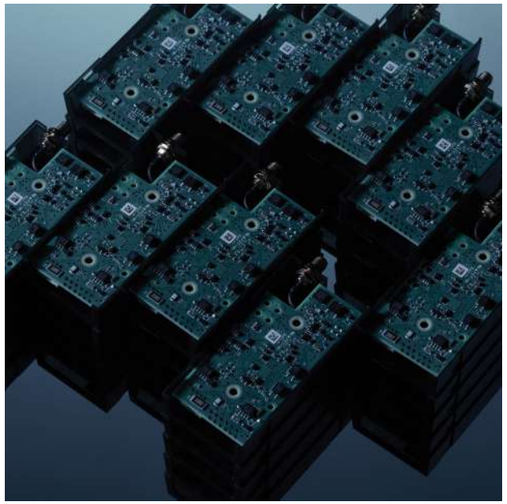


1 LED technology

3 electronics technology



2 optics technology



4 controls technology

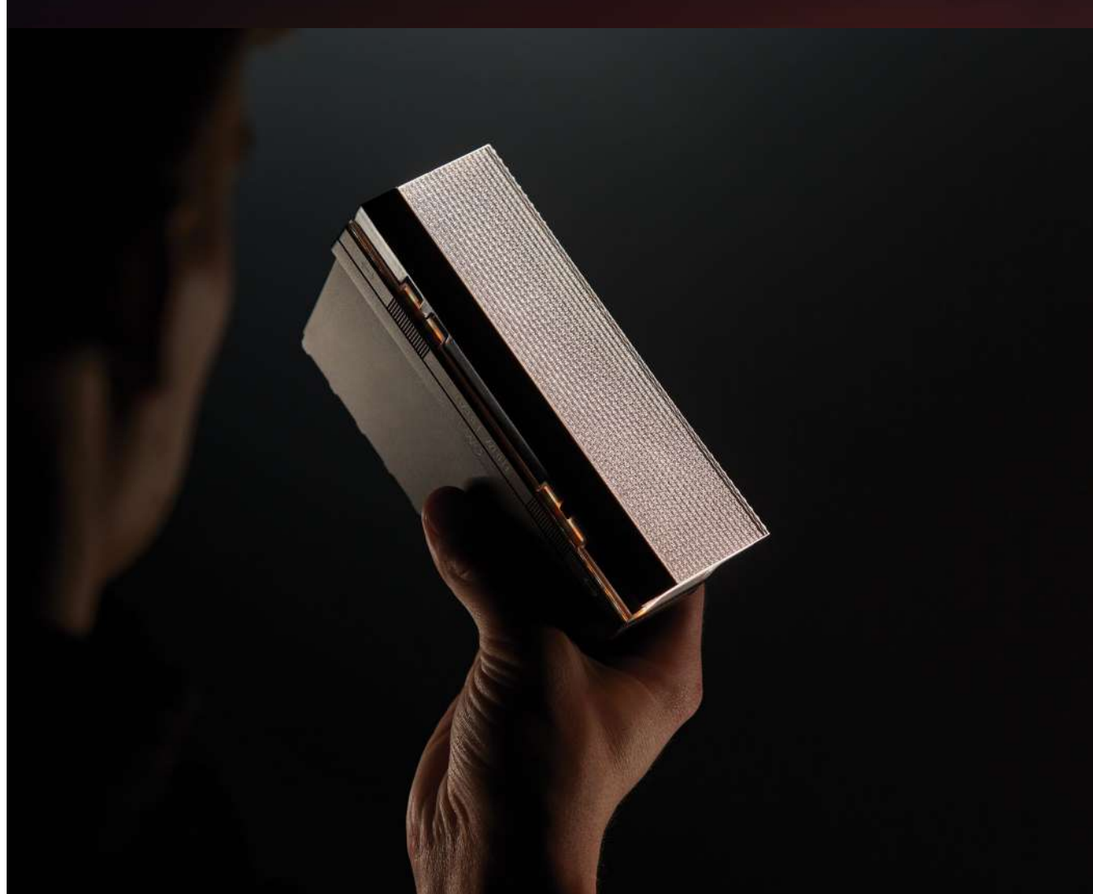
1
LED

At ewo, continuous research is key in our commitment to deliver the highest quality and most efficient lighting solutions to our customers. We are constantly exploring new technologies and advancements in the industry, to ensure that we stay ahead of the curve and provide our customers with the most cutting-edge products possible.

One of the ways that we accomplish this is by sourcing the most efficient LED chips for our luminaires. LED technology has revolutionized the lighting industry, and we are proud to use these energy-efficient and long-lasting chips in our products.

Our dedication to using the most efficient LED chips is reflected in our luminaires' source efficacies, which can reach up to 200 lm/W*. This level of efficiency not only helps to keep energy consumption to a minimum, but it also ensures that our products are environmentally friendly and sustainable.

*At 200 mA efficacy varies depending on the drive current



Top: Our precision A–Series lens optics deliver light where it's needed with a lens efficacy of up to 94% (AG01 lens)

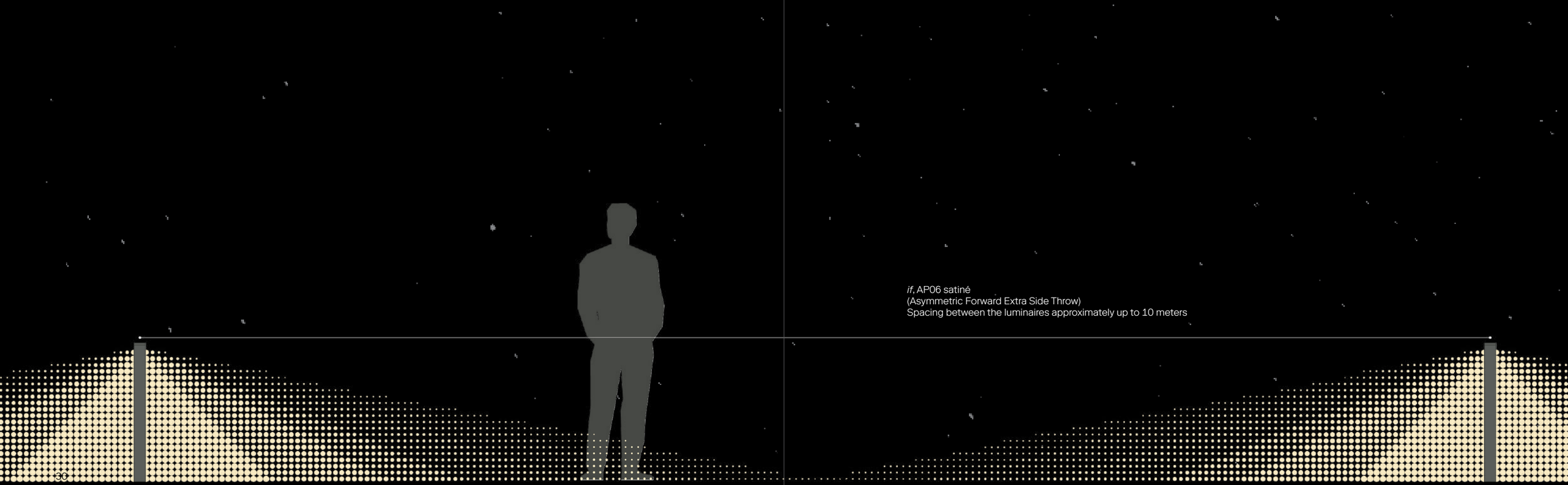
Bottom: ewoLightTile provides low glare dynamic lighting solutions empowering wellbeing outdoors

2
optics

Increased spacing between luminaires and ultimately reduced luminaire count are all made possible with our optics.

ewo's optics portfolio is a core and unique selling point. That's why ewo develops all of the optics solutions in-house, ensuring complete control over the lighting design and production process, maintaining the highest level of quality and innovation. Increased optics efficacy and precision lenses allow light to reach further and to increase spacing between luminaires, ultimately allowing the use of fewer luminaires. This saves on the cost of materials and energy consumption.

if round example
By using asymmetric lenses from the A–Series, a homogeneous illumination of up to 10 m to the side can be achieved – a feat that makes planning walkways and paths far more efficient than with comparable bollards. And not just with the desired intensity, but also guaranteeing the most economical use of light.



if, AP06 satiné
(Asymmetric Forward Extra Side Throw)
Spacing between the luminaires approximately up to 10 meters

3
electronics

ewo has achieved a groundbreaking development in driver technology with high efficiency for the R–System gen3. This innovative co-developed driver has introduced unprecedented advancements to the market.

As part of ewo's sustainable approach, a compact design of the housing is prioritized. To achieve maximum space efficiency, ewo adopted a unique horseshoe shape. Unlike conventional designs where components are stacked vertically, the driver wraps around the LED in a horseshoe formation, resulting in a lower overall height. This approach significantly reduces resource consumption during the production of ewo's products.

Employment of this proprietary driver technology exemplifies ewo's commitment to delivering cutting-edge solutions that optimize energy efficiency and minimize environmental impact. The compact and thoughtfully designed driver represents ewo's dedication to sustainable innovation and reinforces our position as industry leaders and pioneers.

The Chameleon projector also offers a customizable driver.

4
controls

Under the brand name “connexx”, we offer a plethora of control options for our products, allowing our customers to achieve additional energy savings through the use of sensors, zoning, and scheduling.

ewo’s control options are designed to give the customers complete flexibility and control over their lighting solutions. ewo offers a range of control systems, including DALI, DMX, and 0-10V, which can be integrated into building management systems (BMS) and other control platforms.

Customers can achieve significant energy savings by optimizing lighting levels according to occupancy and ambient light levels. Sensors can detect the presence of people and adjust lighting levels accordingly, while zoning allows different areas of a building to be lit independently. Scheduling enables lighting to be switched off automatically when not required, helping to reduce energy consumption further.

These additional energy savings are significant and can result in significant cost savings over time.

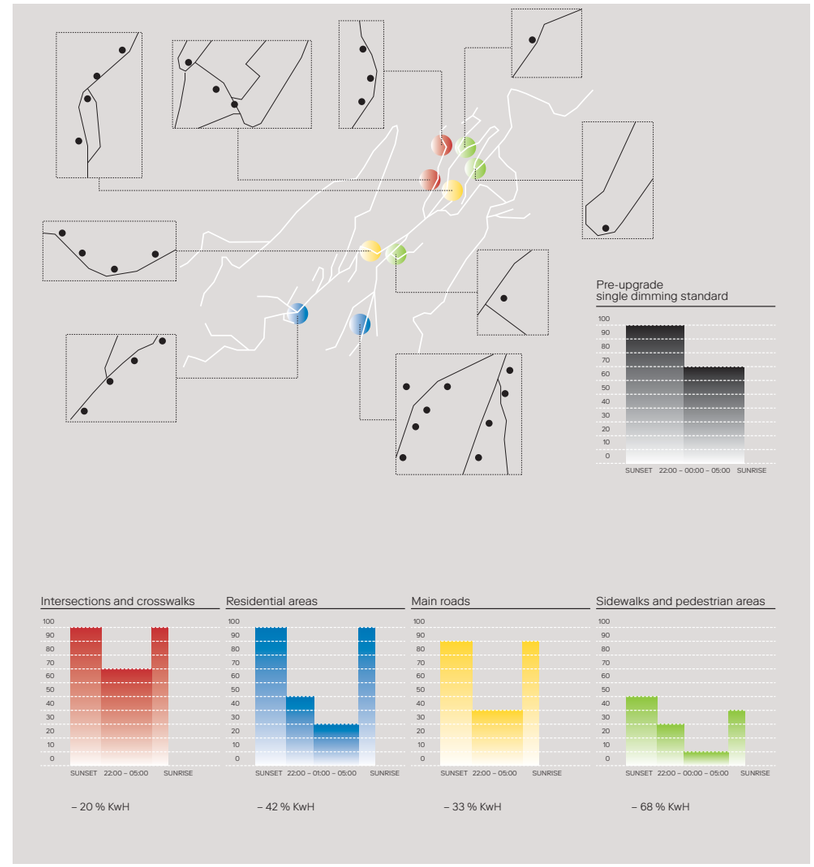
case study: smart lighting

villandro – smart lighting
against rising energy prices
and for more sustainability

In Villandro, the energy consumption of public lighting is reduced by 45 % thanks to ewo's intelligent lighting management system. The municipality of Villandro recognized the potential of smart lighting early on. Already in 2019, more than 130 smart luminaires from the manufacturer ewo were installed there based on a lighting design concept by Studio Troi and Schenk.

↘ More information

Client	Comune di Villandro
Smart lighting	connexx
Lighting design	Studio Troi und Schenk
Product	F-System XS
Completion	2020
Digital upgrade	2022



case study: smart lighting

smart lighting for pistoia's park

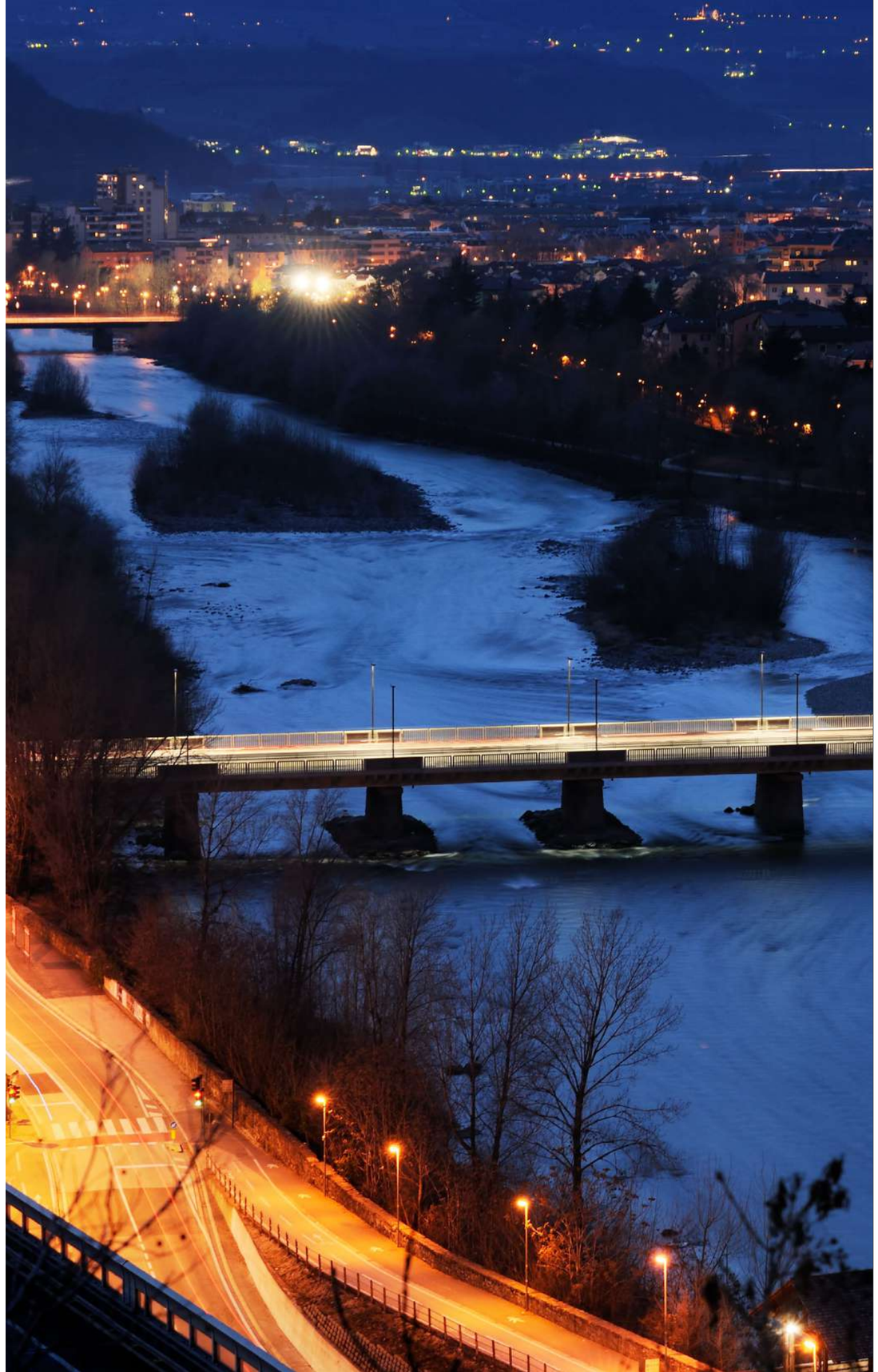
Movement translates into light, light accompanies movement. Dynamic smart lighting becomes part of a strategy to make people feel comfortable outside at night.

The lighting project for "Piazza della Resistenza" park in the beautiful medieval city of Pistoia best exemplifies this "human centric" strategy.

ewo supplied 73 model FA770 and FA170 luminaires distributed along various paths, leading to the centre of the square equipped with connexx smart technology software.

↘ More information

Architects	Nicola Stefanelli, Marta Biagini
Engineering	Thomas Tolari
Surveyor	Silvia Chiti



case study: smart lighting

ponte di roma – smart upgrade of the lighting units

Update instead of discard! The Ponte Roma project in Bolzano shows ewo's forward-thinking in terms of sustainability: Here, ten-year-old technology had come to the end of its lifecycle and needed replacing, all of which could be done with ease thanks to ewo modularity.

ewo's highly durable luminaires, designed to last decades, can be disassembled down to the last component if needed and all that was needed was a replacement of the lighting technology to fully upgrade each one.

As part of the scheduled upgrade, lighting units and drivers installed ten years ago were replaced with newer components and the latest ewo-LED technology.

The majority of elements (aluminium carrier, lens and the entire holder frame) were cleaned and re-used while only two parts had to be replaced: The LED-board and the driver. This sustainable approach minimized the parts that needed to be discarded and represented a full upgrade to the luminaires installed one decade prior.No new production process, no expensive shipping and no additional luminaire materials were needed.

↘ More information

Product	FN
Engineering	BF Progetti Engineering srl
Location	Bolzano, Italy
Client	Tecnoviadotti srl
Project year	2010
Sustainable renewal	2021

case study: smart lighting

bielefeld – a harmonious and flowing color transition from white to colored light

25 “night suns” of different sizes are now hovering over the city’s central traffic junction – suspended from a cable system that is as complex as it is filigree. Every night sun is the result of a special handiwork process. The outer shell is made of multi-layer fibreglass (glass fibre) that has been elaborately painted to simulate the daylight through reflections.

The indirect RGBW lighting of the fibreglass cover ensures the colorful and dynamic lighting of the Jahnplatz on important occasions, such as the Bielefeld Night Views, Christmas or the traditional local Leineweber Festival. With the intelligent control system from connexx, the smart lighting brand from ewo, each light can be controlled individually. This creates purely functional lighting up to a pulsating simulation of colors with every imaginable lighting atmosphere.

The intelligent lighting infrastructure from connexx was also requested for other areas of the city. In order to streamline the lighting system, 75 nodexx were installed along the side streets of Jahnplatz in third-party technical lighting. These lights can now also be controlled in synchronisation with the night suns and integrated into light scenes. The city’s central on/off signal, which is used to control all of the city’s lighting, was integrated into the connexx control field system. This significantly streamlines and simplifies control and enables significant energy savings.

↘ More information

Product	ewo Individual with nodexx smart modules
Lighting Designer	ENVUE HOMBURG LICHT
Year	2021–2023
Photography	Nikolai Benner

ewoLightLogger

resource efficiency & data-driven decision making

ewoLightLogger is a hardware and software for lighting measurements. This easy-to-use mobile measuring instrument increases accuracy and saves time for precise measurement of illuminance lux (lx), for airport aprons, parking spaces, ports, container terminals.

This robust product allows fast assembly and is easy to transport. It also allows georeferencing via GPS with self-aligning measurement sensors.

ewoLightLogger delivers measurement of single points or wider surface areas, with simultaneous measurement of up to six measuring points, and a horizontal measurement of 2 m, with vertical measurement at 2 m in four directions.

The system automatically records and evaluates in real time with various measurement modes, producing reports and management of results, and the export of data in numerous formats.

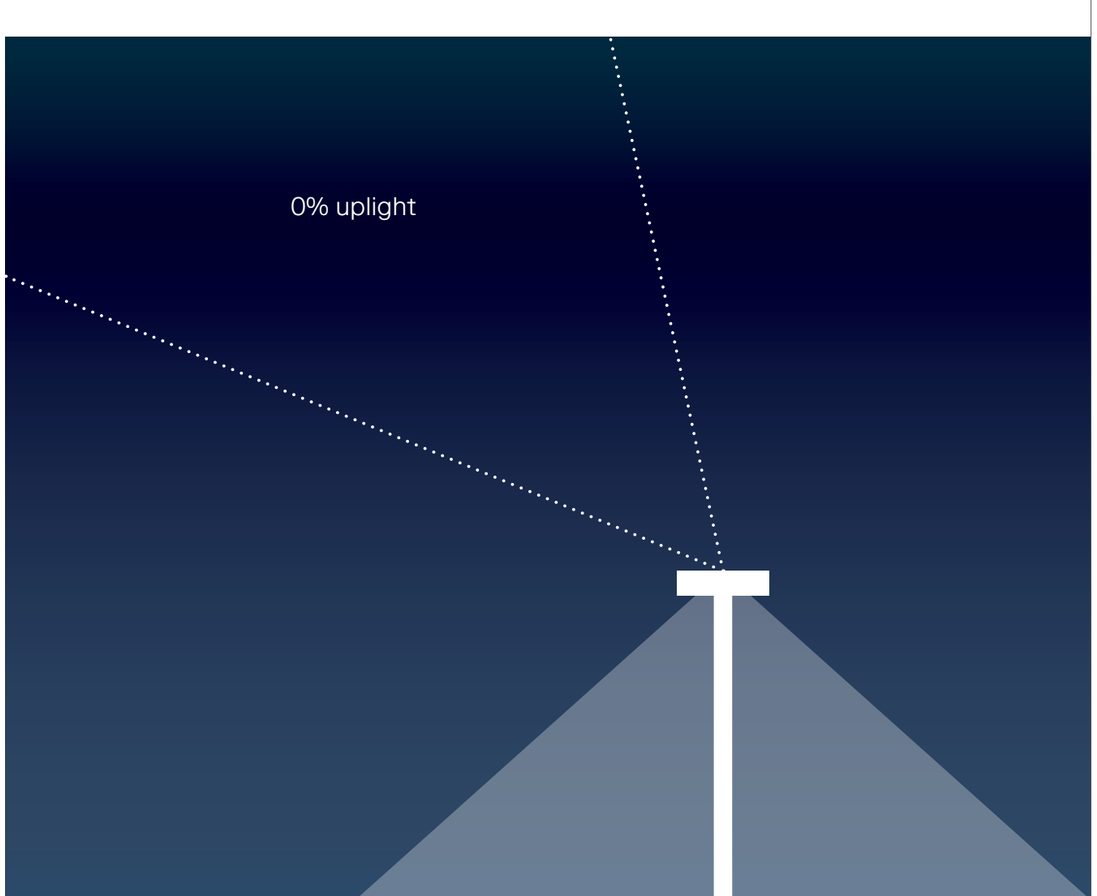
Compliant with numerous regulations and standards (e.g. EASA, ICAO, EN 12464–2).

dark sky approved luminaires

From the very beginning, our products were designed to reduce and prevent light pollution and save energy wherever possible. Of this, we are proud.

The ADSA (Australasian Dark Sky Alliance) Prize certifies a high level of luminaire management and performance providing greater control over sky glow and associated light pollution as well as glare and other human factors.

The luminaires feature an Upward Waste Light of 0%, a CCT ≤ 2,700 K and Front and Back Very High Uplight (FVH & BVH) ≤1.0%.



ADSA prized and approved products

IR

With lenses:
AS06, AS07, AS08, AS09, AP07

CN500

With lenses:
AS06, AS07, AS08, AS09, AP07

CN600

With lenses:
AS08, AS06, AS07, AP07

DA400

With lenses:
AS06, AS07, AS08, AS09, AP07

DA520

With lenses:
AS06, AS07, AS08, AS09, AP07

FA170

With lenses:
AS06, AS07, AS08, AS09, AP07

FA770

With lenses:
AS06, AS07, AS08, AS09, AP07

GO

With lenses:
AS06, AS07, AS08, AS09, AP07

F-System S

With lenses:
AS06, AS07, AS08, AS09, AP07

F-System XS

With lenses:
AS07, AS06, AS07, AS08, AS09, AP07 AH02

our actions

empowering change on every front

From cooling with geothermal energy, using green electricity, making EV chargers for emplyees available, digitising the lion's share of marketing material and using recycled materials for packaging, our priorities are clear:

- packaging
- EV charging
- green energy
- supply chain
- marketing

our net zero journey never ends

2005 2019/20 2021/22 2023

↘ Heatpump

Since ewo's inception, the company has occupied a modern building constructed with sustainability in mind. A heatpump had been installed from the start to provide both heating and cooling of the building.

↘ Packaging

Switch to 100% recycled packaging

↘ Marketing

70% digital materials

all print using paper from sustainable sources (FSC mark)

↘ Energy

Switch to 100% green energy supplier

Installation of 2 × EV charging points

↘ EPD – Environmental Product Declaration (EN 15804)

Start of documentation of CO_2 footprint

↘ Energy

Evaluation of photovoltaic installation for self-generation of energy

↘ EPD – Environmental Product Declaration (EN 15804)

Continuation of documentation of CO_2 footprint

↘ Marketing

> 80 % digital materials

recycled, plastic & glue free packaging

Since 2019, ewo has continuously adapted its packaging, shifting to sustainable and plastic free materials.

To package our products, we use:

- Packaging made from cardboard
- Wooden crates for overseas transport
- Filling materials made from recycled paper
- Sustainable tape (paper tape)
- No glue
- Where possible, recycled packaging material, offering an option to return the materials to the factory so we can re-use them.

As with most of our sustainability tasks, we are on a journey and continuously review our packaging to find further areas of improvement.

“Driven by short product lifecycles and a highly price-sensitive market intolerant to qualitative errors, companies like ours are forced to position innovative successful products in a short period of time.

In a globalized world, our corporate success is linked to an efficient supply chain and well-organized supply partners. Therefore, we maintain long-term, sustainable, and fair partnerships with our suppliers. This enables us to always act in a solution-oriented manner, even in more challenging times.”

Bernd Prosch, COO

electric chargers

Two electric vehicle chargers have been installed in the ewo parking area in 2021. Additional chargers will be installed as the fleet evolves and more electric vehicles are being used by ewo staff and visitors.

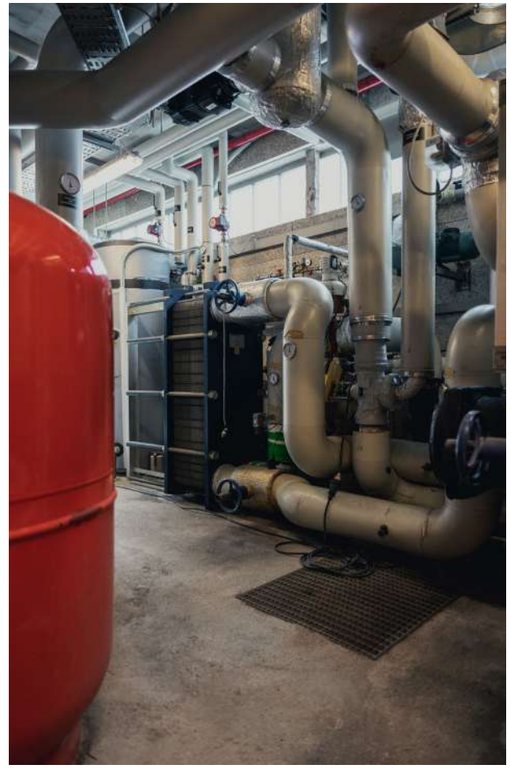
green energy

168,757 kg of CO_2 saved in 2022

Since 2021, ewo has received 100 % of its electricity from green energy suppliers.

To keep our energy consumption as low as possible, the entire building is lit with highly efficient LED luminaires that are controlled via a central system. Smart dimming is in operation in all areas of the building, ensuring that lights are only on where needed and always switched off or dimmed to a safe level in unoccupied areas.

To further reduce our energy consumption, ewo is in the process of evaluating a new photovoltaic installation for the self-generation of energy.

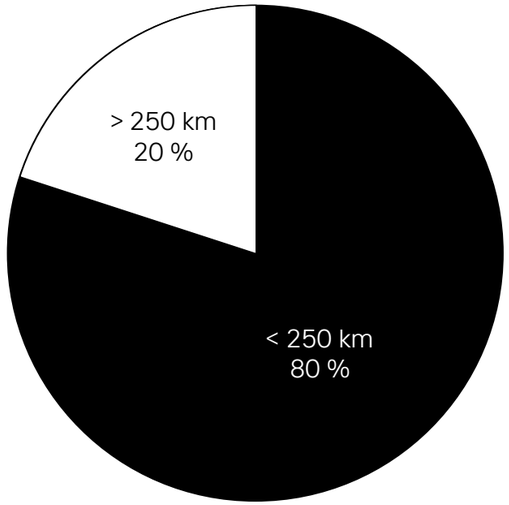


supply chain

Many suppliers have been with us since ewo's start in 1996. We value our supplier relationships and believe in mutually beneficial long-term relationships.

At the same time, we are constantly on the lookout for other suppliers that can offer us new, innovative and sustainable solutions.

As a general rule, we will always prioritise local supply wherever feasible to reduce the distance our components need to travel.



Local purchasing

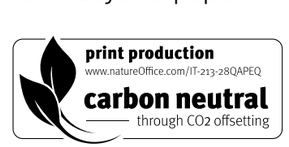
Distance breakdown of where we buy our components – 80 % of our purchasing volume comes from less than 250 km away

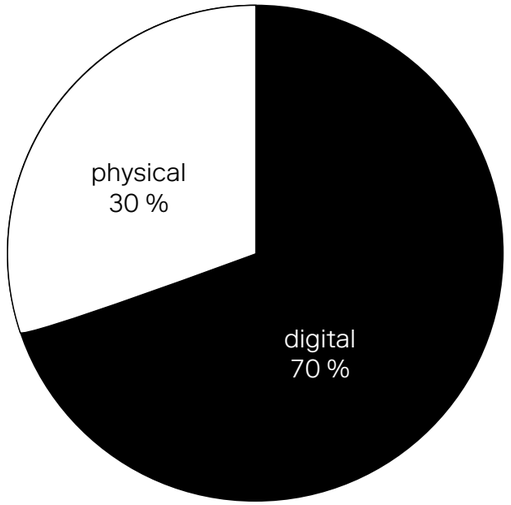
marketing

Since 2019, digital marketing materials are a dedicated aim, resulting in 70 % digital marketing materials, with a remaining 30 % of physical marketing assets including catalogs, trade show materials, merchandise and product sample kits.

To minimize the environmental impact of our physical marketing materials, we are doing the following:

- Wherever possible, we neutralize our carbon footprint by working with climate neutral external agencies and partners.
- All printed material is produced using FSC recycled paper.
- The majority of trade show materials are made from wood or aluminium and are shipped on wooden crates. We avoid the use of plastics wherever possible.
- Our merchandise is created with sustainable materials, including wooden pens or pencils and notebooks from recycled paper.





Marketing material digital vs physical

our culture

empowering wellbeing at every opportunity

ewo's mission to empowering wellbeing outdoors reminds us of who ewo is creating light for. It's all about people and their wellbeing in public spaces. This is reflected in every aspect of the company's actions. Providing lighting system at a particularly important cause of striving for highest quality in every aspect of the company's culture – always searching for a sustainable way.

- empowering wellbeing outdoors
- in-house manufacturing
- ewo.digital

empowering wellbeing outdoors

positive long-term impact

It is ewo's mission to use innovative lighting technology to improve wellbeing in public spaces – in an emotive, efficient, and esthetic way. Technical excellence is a tool to affect emotions and wellbeing – to ensure that people feel comfortable outdoors.

Public space is democratic. It is here for everyone: to enter into a dialogue and explore new possibilities through new encounters. In the end it is all about people.

Dynamic white
Introducing human centric lighting to the outdoors for a natural light environment, respecting both humans and other creatures of the night.
↘ Watch the video

ewoLightLayers
Optional accessories that help direct the light to its destination and shield any areas as required.
↘ Watch the video

without ewoLightLayer

with ewoLightLayer

in-house manufacturing

short distances, smooth running logistics

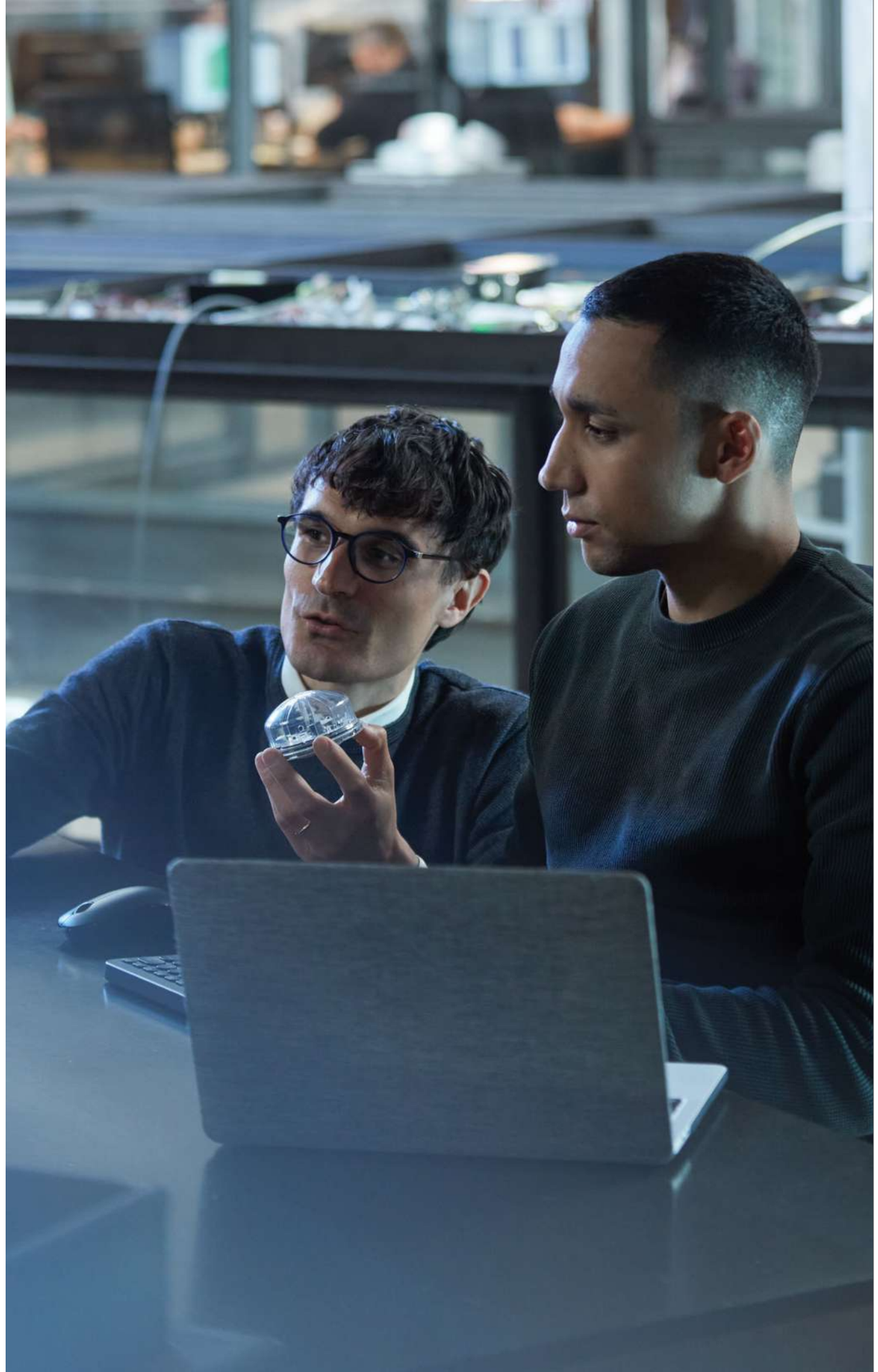
By manufacturing products in-house, we have greater control over the entire production process, from design to final assembly. This control allows for better quality management, ensuring that products meet the company's high standards and that any issues can be quickly identified, making communication more straightforward, allowing for faster decision-making and problem-solving.

Regarding lead times, ewo can respond more quickly to changes in customer demand or product design without waiting for external suppliers to deliver components.

Keeping knowledge within the company is another critical advantage of in-house manufacturing. This knowledge can be shared across different teams, improving efficiency and reducing errors. Additionally, with in-house manufacturing, ewo can protect its intellectual property and maintain a competitive edge in the market.

Overall, in-house manufacturing is a valuable investment for ewo to maintain high product quality, reduce lead times, and preserve knowledge within their organization. By controlling the entire production process, ewo can create a more efficient, streamlined operation that results in better products and greater customer satisfaction.

Top: metal workshop at Sarentino
Bottom: production area at Cortaccia



digitization: reacting to ever-changing needs

In the pursuit of sustainability and commitment to environmental stewardship, ewo has embarked on a transformative journey powered by ewo.digital. This in-house digital team has revolutionized internal operations and customer service, empowering efficiency and service excellence.

Over a decade ago, ewo CEO Hannes Wohlgemuth pioneered the concept of digitization across various levels of our organization, enabling ewo to streamline internal processes and provide tailored solutions to our valued customers.

At the heart of this digital transformation lies a powerful configurator, which empowers delivery of unparalleled lighting solutions for every project quickly and efficiently. This innovative tool enables ewo to respond swiftly to individual project requests, allowing us to deliver the most suitable lighting solutions for each unique endeavor.

With every order meticulously recorded in our configurator, we ensure that customer requirements are not only logged, but seamlessly transmitted to our technical production team. This seamless integration streamlines the entire production process, eliminating potential bottlenecks and ensuring timely project completion.

smart lighting: saving energy

Our goal: providing a system in which the luminaires can immediately respond to changing (urban or social) conditions. The connection to the Internet of Things not only offers the possibility of sustainable control, but also offers dynamic and flexible tools to improve the quality of life outdoors. In this way, not only do manufacturers and lighting planners become part of the communication with the luminaires, but also the environment, to which the lighting systems learn to adaptively react.

The activities of the luminaires can be controlled and monitored by the Leitfeld software developed in-house. As early as 2012, ewo tackled its first major digital project with a product configurator and brought it into the real world with the associated machine, called ewoPhotometricEngine. The product configurator guides planners towards their individual solutions every day.

ewo's software programs rely on the ewoDataHub, a uniform data collection tool for all ewo products. Monitoring in the Leitfeld software goes one step further: here, the ewoLightLogger enables the analysis of the actual light distribution across a specific surface. In the final analysis, ewo.digital will offer a complete ecosystem that unites all aspects of innovative outdoor design, from product planning and configuration, to the finished product and its operation, to sustainable control.

"Our innovative smart lighting solutions revolutionize the way you light your surroundings: Our intuitive interface, accessible via smartphone anywhere, provides control of your lights including fluid color transitions and auto adaptive pole by pole configurations. You are able to gain an complete overview of your lighting network and detect faults and proactively address maintenance issues even before a citizen can report them. We are certain: smart lighting is the future, by creating unique and human centric atmospheres and at the same time you optimize energy usage."

Michele Santuari, Head of ewo.digital

ewo

Company headquarters in Cortaccia, in the Bolzano area in South Tyrol, Italy. Numerous international partners. Number of employees > 100. CEO: Hannes Wohlgemuth. Subsidiaries in Germany, Austria, France, and the USA:

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