THE GROUP

ALMECO
GROUP

20 thousand
tons per year

ALMECO Group

A world leader in aluminium production.

The unique heritage of expertise gained in almost 60 years of experience in aluminium production. An international organisation with units specialised in the different stages of the entire industrial process. A widespread presence on the global market through an extensive commercial network, distribution centres and services for strategic areas.
These are the strengths that make ALMECO GROUP one of the entrepreneurial world leaders in the production of components and sheet materials for the lighting engineering, solar and decorative industries.
An in-depth knowledge of the aluminium mechanical and optical characteristics and its surface treatments, along with the constant investment in plant equipment, allows the ALMECO GROUP to have a production capacity of over 20 thousand tons of aluminium/year and more than 3 million reflectors. A service focused on maximum customisation of the product and the highest level of supply flexibility makes the ALMECO GROUP an ideal partner in each phase of the lighting industrial process.
Strengthened with this proven leadership, the ALMECO GROUP has progressively developed more specialised skills which led the company to winning a leading role in both the renewable energy market - for which it produces reflective and selective metal surfaces for concentrated solar power plants and solar flat plate collectors - and the building and architectural market, to which it provides a wide range of anodised aluminium laminate products used by planners and designers for solutions and components that combine functionality, sustainability and affordability.
Wide colour palette, thickness up to 3mm and strong resistance to abrasion can satisfy both indoor and outdoor market.

3 million
reflectors

History

The stages of constantly developing progress

Visigalli & Fiorentini

foundation of **Visigalli & Fiorentini,** a company that specialises in the manufacturing of aluminium sheet metal and in the production of reflectors.

1960

the first automated system for the electrobrightening and anodising in line is installed, in addition to a factory specialised in the manufacturing of small reflectors and special alloys.

1982

ALMECO
making light together

from the merging of Citor and Sacall, **Almeco S.p.A**. is born, to exploit synergy in business operations and streamline common tasks.

1999

Almeco today

ALMECO GROUP

An international organisation, with 3 highly specialised units.

The productive organisation of the ALMECO GROUP consists of four different units, each of which is structured to manage the specialised process of aluminium manufacturing, depending on the different types of treatment to which it is subjected and the specific application sector to which it is intended. This manufacturing specialisation is one of the elements that qualifies the ALMECO GROUP to distinguish itself by its ability to focus on the specific area of business for each of its customers while operating on different markets. The Group's strategic and managerial functions are located in the headquarters of San Giuliano Milanese, Italy.

Over 60 years experienced

reflect+A™

the first range of PVD aluminium reflectors designed inside the Company and proposed to the market.

2008

ALMECO GROUP

Almeco becomes a Group and widens its range of products strengthening solar and indoor decorative applications.

2010

bandoxalpro®

Almeco extends its range to the architectural field with thickness up to 3mm and high anodisation layers.

2018

ALMECO S.P.A.

San Giuliano Milanese - Milan - Italy

The Italian office is the Group's headquarters, where its main functions are located. In addition to the production of anodised aluminium for the building, lighting and decorative industry, it focuses on the design and production of reflectors for lighting fixtures.

ALMECO GmbH

Bernburg - Sachsen-Anhalt - Germany

Opened in 2006, the German factory produces extremely high-reflectance metal surfaces (aluminium based), coated using the PVD (Physical Vapour Deposition) in a vacuum process and intended for the lighting, solar and electronics market, and highly selective aluminium and copper absorbent surfaces for heat generation.

ALMECO USA Inc.

Atlanta - Georgia - USA

Acquired in 2010, the American office, thanks to its strategic geographic position, acts as a final manufacturing centre of semifinished products for the NAFTA market, with slitters and cut-to-length lines and a well-equipped laboratory for chemical and optical experiments that is aligned with the Group's standards.

ALMECO ASIA

Shanghai - China

Established in 2013 in one of the most highly industrialised areas, the office acts as a processing centre for semifinished products. It is the distribution centre of products manufactured in the Group's European factories for the Chinese market.

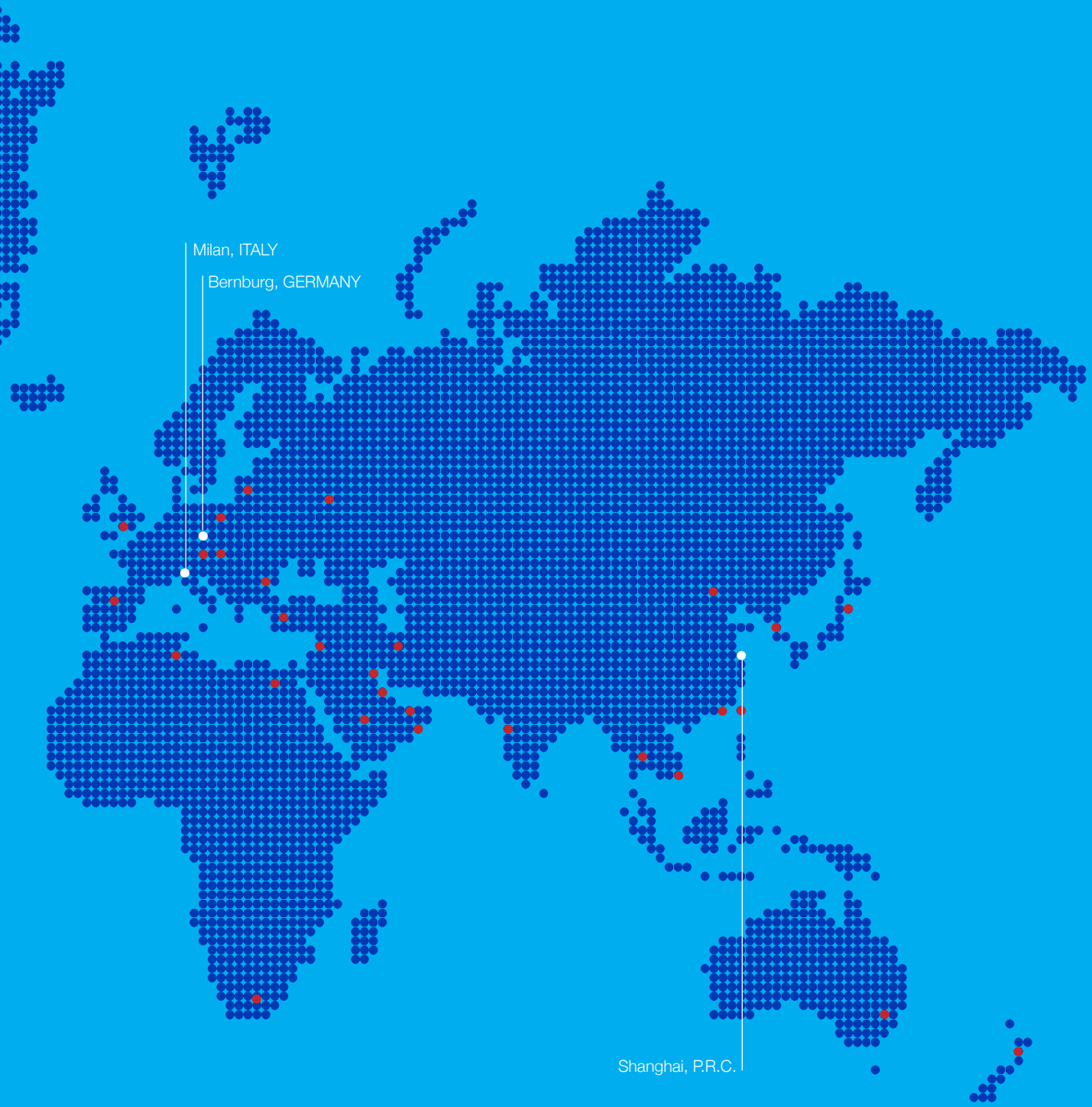
Global presence

ALMECO GROUP's international vocation is confirmed in its commercial organisation, which aims to combine a global vision and a local operational approach.

A widespread commercial network serving more than 60 countries.

more than
200
people
in the world at your service

This organisational approach is translated into decisions aimed at ensuring its operational presence in those areas where its products are more used and an efficient service entrusted to a network of distributors and area managers that covers over 60 countries around the world, coordinated from its headquarters in San Giuliano Milanese. The knowledge of the specific needs of each market represents a significant added value which allows the Group to develop and devise new solutions and diversified products to effectively meet the specific applicative requirements that emerge in each country.



Business model

A three-generation family business ran with a managerial vision.

The business model on which the ALMECO GROUP is founded represents the perfect synthesis between the typical values of a family-owned industrial company with the most modern business management principles.
The original intuition of the founders, Luigi Visigalli and Enrico Fiorentini, was followed over the decades with a constant commitment to development.
This commitment has led ALMECO to new application sectors and new geographic markets, with an emphasis on international vocation and focus on service. Direct involvement in the management of the organisation has gone alongside the creation of a structured managerial organisation which aims to coordinate the various activities of a constantly growing company.
A business model that holds sustainability, integrity, passion and pursuit of excellence as its core values.

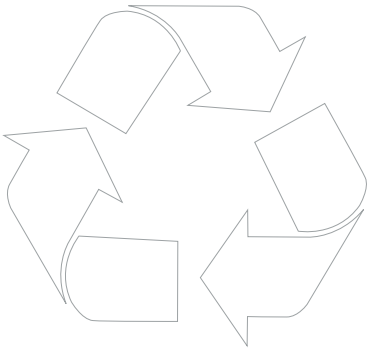
Green Company: continuous investments in technologies for process control and for active environmental protection is combined with the research of products and solutions aimed at reducing energy consumption and the use of renewable energy.
Human Resources: the Group's policy is aimed at enhancing the skills of each employee and the creation of a safe and people-friendly working environment.
Experience and innovation: the experience gained in more than 50 years of business is the guarantee of high reliability. An important value for the company is the integration of this experience with the dynamism of an innovative company, interpreted as a process of continual improvement and attention to the changing market demands.
Customer oriented: offering effective solutions that are tailored to the specific needs of each client is the benchmark of the Group's commitment.

3 generations

Green company

Environmental sustainability: an across-the-board commitment.

Commitment to the environment is a fundamental value of the ALMECO GROUP business philosophy.
Respect for current standards and the continuous improvement of production processes enable the Group to operate in total harmony with the environment.
Since the 1960s, ALMECO GROUP has in fact initiated the search for “green” technologies and has invested in water purification treatments and fume extraction and abatement to minimise its environmental impact, both inside and outside the various production complexes where there is a system of continuous monitoring of sensitive parameters and emissions.
The latest anodisation line is equipped with a unique total recycling of process waters called “zero waste”.

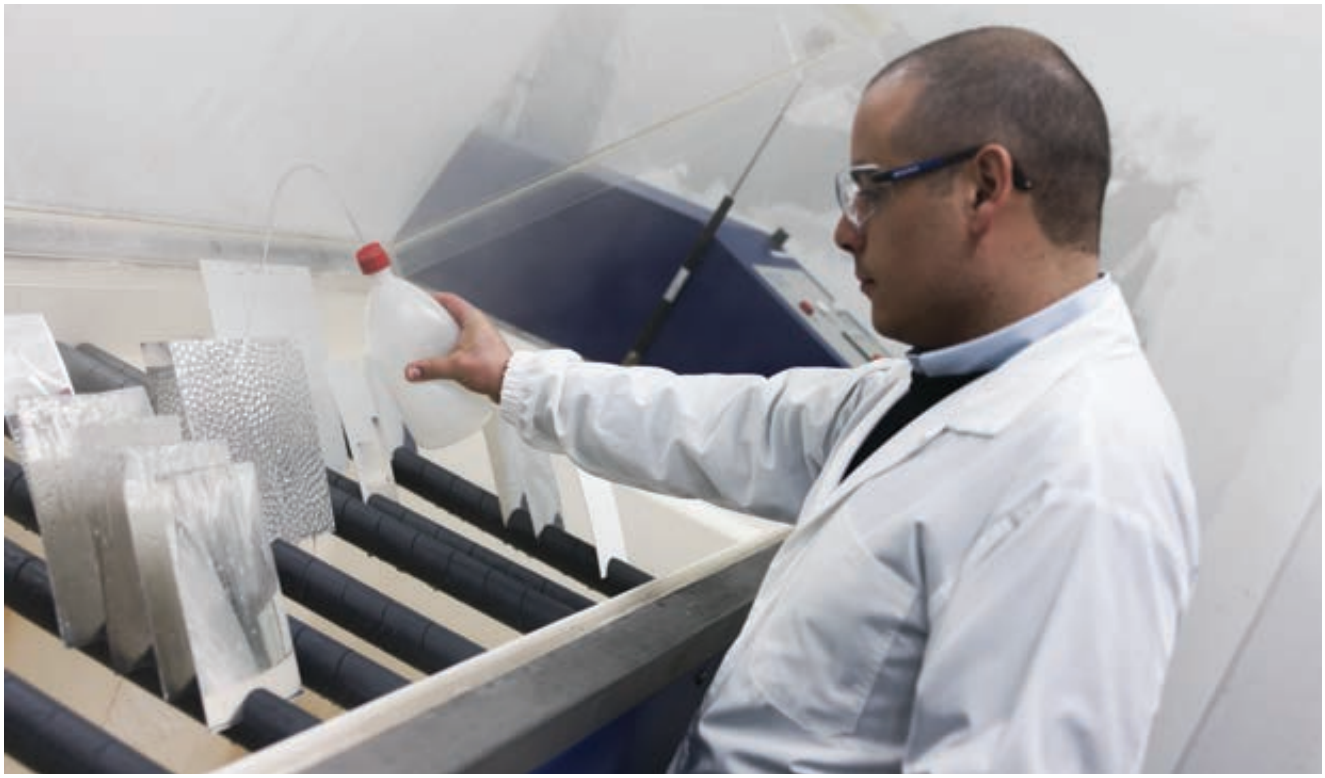


510kW produced

4 thousand m^2
of photovoltaic panels

This continuous journey toward the optimum is confirmed not only in the certification according to ISO 14001/2015 that all the ALMECO GROUP companies have obtained, but also in its active commitment to eliminate the use of hazardous substances, to increase the efficiency of water treatment processes, to favour the use of substances and materials compatible with the environment, to promote waste recycling and to improve the sustainable exploitation of natural resources.
As part of this project, Almeco created in 2013 a 4,000 m^2 photovoltaic plant with a total power of 510 kW on the roof of the San Giuliano Milanese manufacturing complex, Almeco recently created a new concept of Combined Heat and Power plant, able to provide half the energy needed for the industrial process.
Together with the existing photovoltaic plant, Almeco reduced its CO_2 production of approximately 1,800 tons per year.

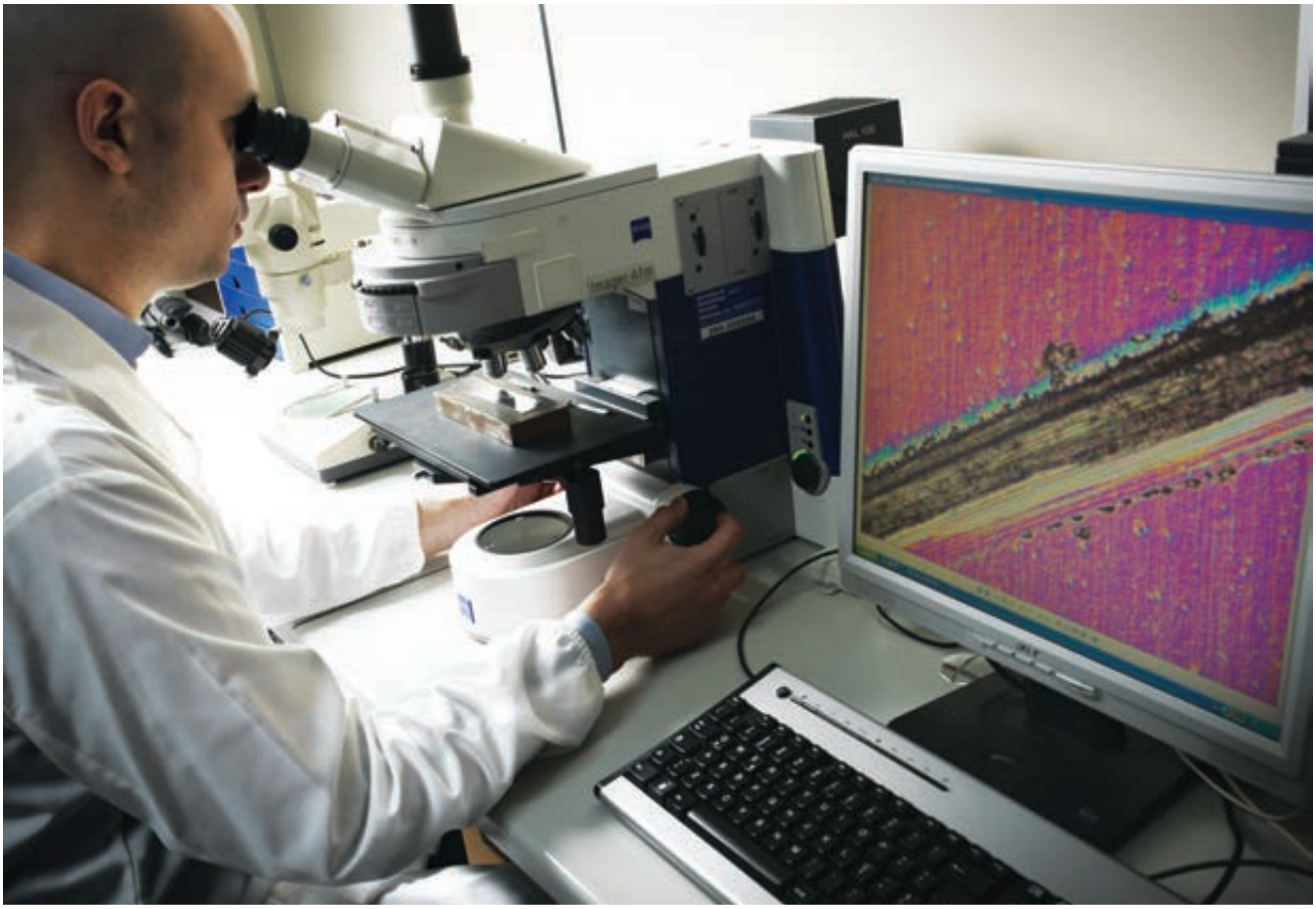
-1,800 tons of CO_2/year

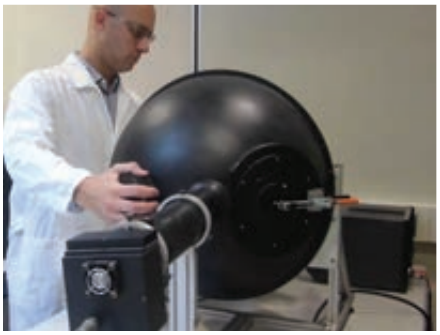


R&D

Product and procedure innovation: an ongoing challenge.

Product innovation has a prominent position in the ALMECO GROUP strategy that, over the years, has devoted a significant proportion of revenue to research and continuous development of solutions that promptly respond to the clients' specific requirements. This approach is the hallmark of the ALMECO GROUP, which provides a team of technicians to follow the development of each new project from the initial idea to the verification of its feasibility,

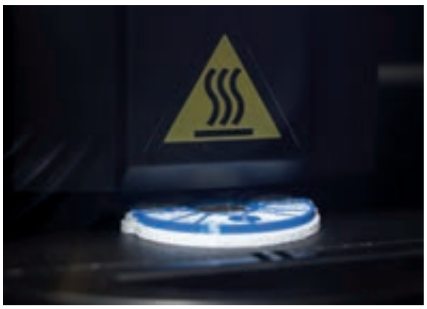


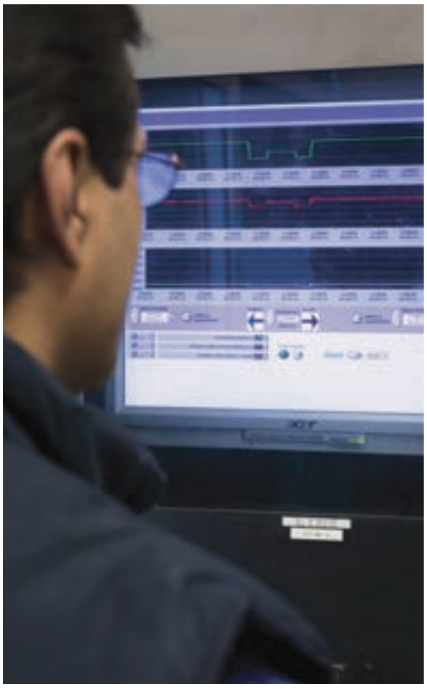


from prototyping to industrialisation.
But, in addition to product innovation, ALMECO GROUP also develops a constant innovation of its procedures in order to increase efficiency, extend the qualitative performance of the treated surfaces and, at the same time, experiment with the use of new materials and production methods.
Mechanical, chemical and optical tests, experiments and analyses are conducted in the Group's laboratories. The Research & Development team interfaces with an international network of universities and private research centres that are specialised in material science, surface treatments and the protection of materials.

Quality

The guarantee that procedures and processes are under control. Always.





The ALMECO GROUP operates in accordance with an ethical production system that integrates quality, safety and environment that has already obtained certification in 1996 according to the UNI EN ISO 9001 normative, issued by the international authority BVQI.
The certification involves all the Group's units: from the entrance of raw materials to each individual manufacturing process, down to the packaging of the finished product.
The aim of the adopted quality system is the provision of a product with the characteristics of the utmost excellence, with extremely narrow optical and dimensional tolerances, that is secured by methodical checks carried out in line during the entire processing cycle and at the end of the process on the finished product.
The guarantee of consistent quality is also the result of the high automation of all the production processes, where multiple parameters are subject to careful monitoring processes by the company's employees who boast a specific expertise in the field and continue to attend updated training programmes.

Linea 2000

The most advanced anodizing coating plant

The newest plant in San Giuliano has been specifically designed to produce surfaces with various shades and tactile appearance for any outdoor and indoor application for the Architectural & Design sector. Surfaces with a highly resistant anodizing layer and a metal gauge up to 3mm thick and 2,000mm wide are available in a wide palette to satisfy each design requirement.

Aside from continuous anodizing, the core of the production is the etching, a chemical process developed to make the surface rougher. The resulting typical dull appearance is achieved by controlling the dissolution of the surface which generates fine and dense micro-craters. This process occurs only in specific conditions which have to be carefully controlled to obtain the consistent

We ensure great resistance and aesthetic with the highest homogeneity.

high-aesthetic appeal that Almeco standard guarantees. Shades of metallic colours are finally available for facades and exteriors too thanks to special pigments and to the electro-colouring.
After the anodisation, the coil strip is immersed in an acid solution containing metal salts and then subjected to an alternating current. Under these conditions, the metal is deposited in the porous structure of the oxidized film, producing the characteristic color of the metal salt used.
The results are extremely fine surfaces with high uniformity and tight tollerances.

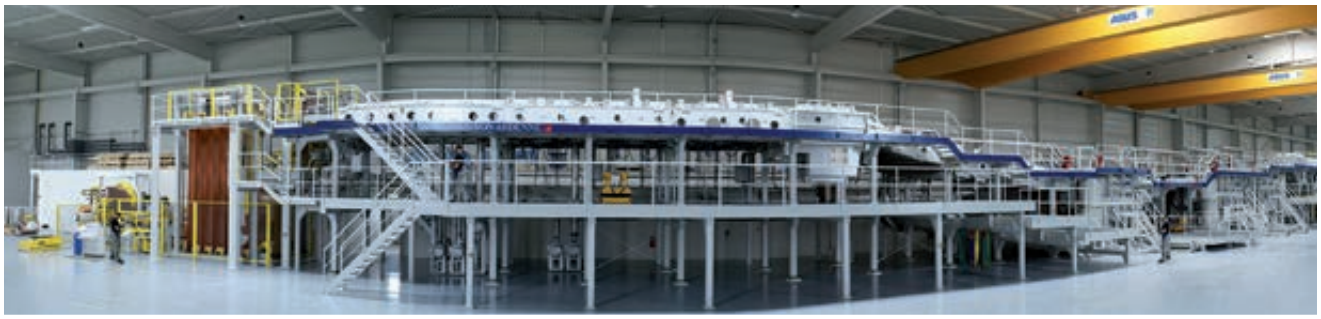
In addition to the will to supply an excellent product, the environmental commitment of the company emerges from the installation of the first zero liquid discharge water treatment plant in the world on **bandoxal**pro line, which eliminates the pollutants and minimises the resulting liquid waste.

98%
reflectance

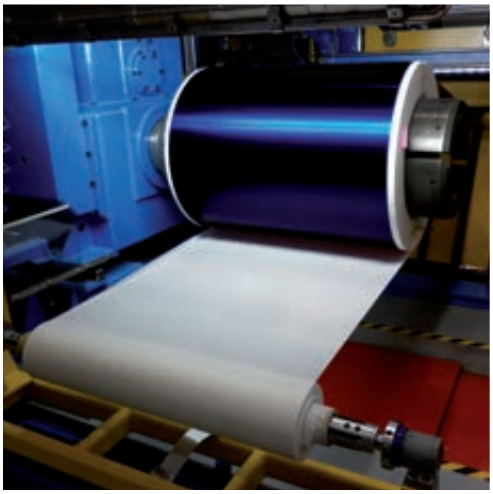
The exclusive PVD process

To further enhance the reflective properties of the aluminium or to modify and improve its performance, the ALMECO GROUP has developed an exclusive process at the Bernburg plant that allows the Group to obtain the continuously controlled deposition of thin metallic and ceramic film using the latest PVD (Physical Vapour Deposition) technologies.

During the process that is carried out under vacuum, the material to be deposited, after being evaporated, will form a nanometer layer on the metal surface, giving it unique properties.
This sophisticated and exclusive treatment, used for the production of the gamma **vega**, assures an outstanding performance of the metal in terms of light reflectance (over 98%) and absorption, making it ideal for applications in lighting and solar sectors. It also ensures the product features qualities including anti-scratch, anti-wear, anti-static and resistance to corrosion, moisture and fingerprints, as well as specific photostable and heat-resistant qualities.



We guarantee the maximum light reflectance and heat absorption.



2 automated lines

Continuous anodising

We give light and colour to surfaces.

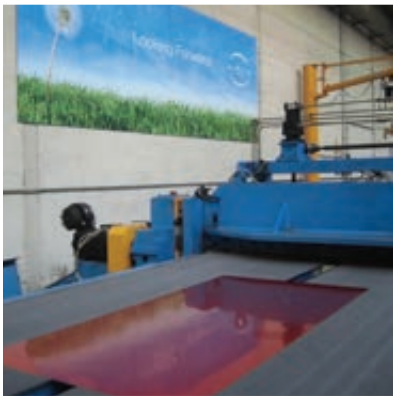
To improve the characteristics of reflectance and gloss and to pre-serve the surface from corrosion and deterioration, the aluminium is subjected to a continuous anodising process. The cycle is developed through the successive stages of polishing, anodising, colouring and sealing.

Brightening is the electrochemical process by which the semi-finished aluminium is immersed in a tank containing a concentrated acid solution at a high temperature and is subjected to a strong electric current to smooth its surface in a controlled manner, thereby increasing the brightness and reflectance.

During the subsequent anodising, the brightened aluminium, through an electrochemical conversion of the metal to form aluminium oxide, is coated with a thin film with perfect adhesion to the metal. The accurate adjustment of the parameters ensures the perfect control of the anodic oxide layer thickness and its homogeneity on the surface, improving the characteristics of reflectance and minimising the phenomenon of iridescence.
The layer, transparent and very durable, protects the surface from wear and tear, keeping the optical characteristics of the product unchanged over time.

Due to its porosity, this layer is particularly receptive to colouring with special organic pigments which produce metallic hues of striking aesthetic effect. This additional process is carried out in the San Giuliano Milanese plant, where there are production lines dedicated to the aluminium dyeing.

The anodising cycle ends with the sealing phase in demineralised water at about 100° C, during which the pores of anodic oxide close and the electrochemically grown layer is sealed and compacted.

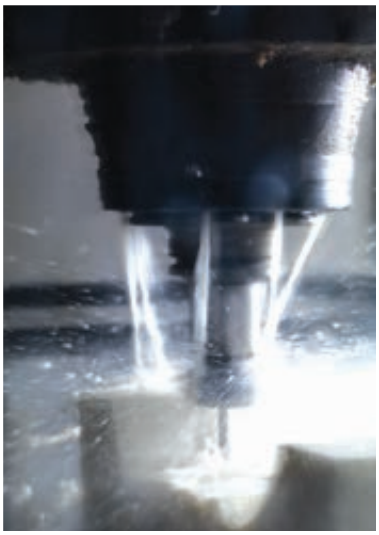


Manufacturing of laminates

All the ALMECO GROUP plants are equipped with longitudinal and transversal cutting lines for the production of aluminium strips with widths ranging from 15 to 1,250 mm, and cut-to-length lines which allow to obtain strips with a width from 150 to 1,250 mm and a length of 150 to 4,000 mm. The embossing system, installed in the San Giuliano Milanese production plant, creates finishes designed to widen the light distribution and to vary the aesthetic appearance with defined applications to the aluminium surface. Automated packaging equipment with different loading stations carries out the in-line weighing and final packaging of the coils.

We guarantee the highest customisation with supply.


Mazak
Mazak

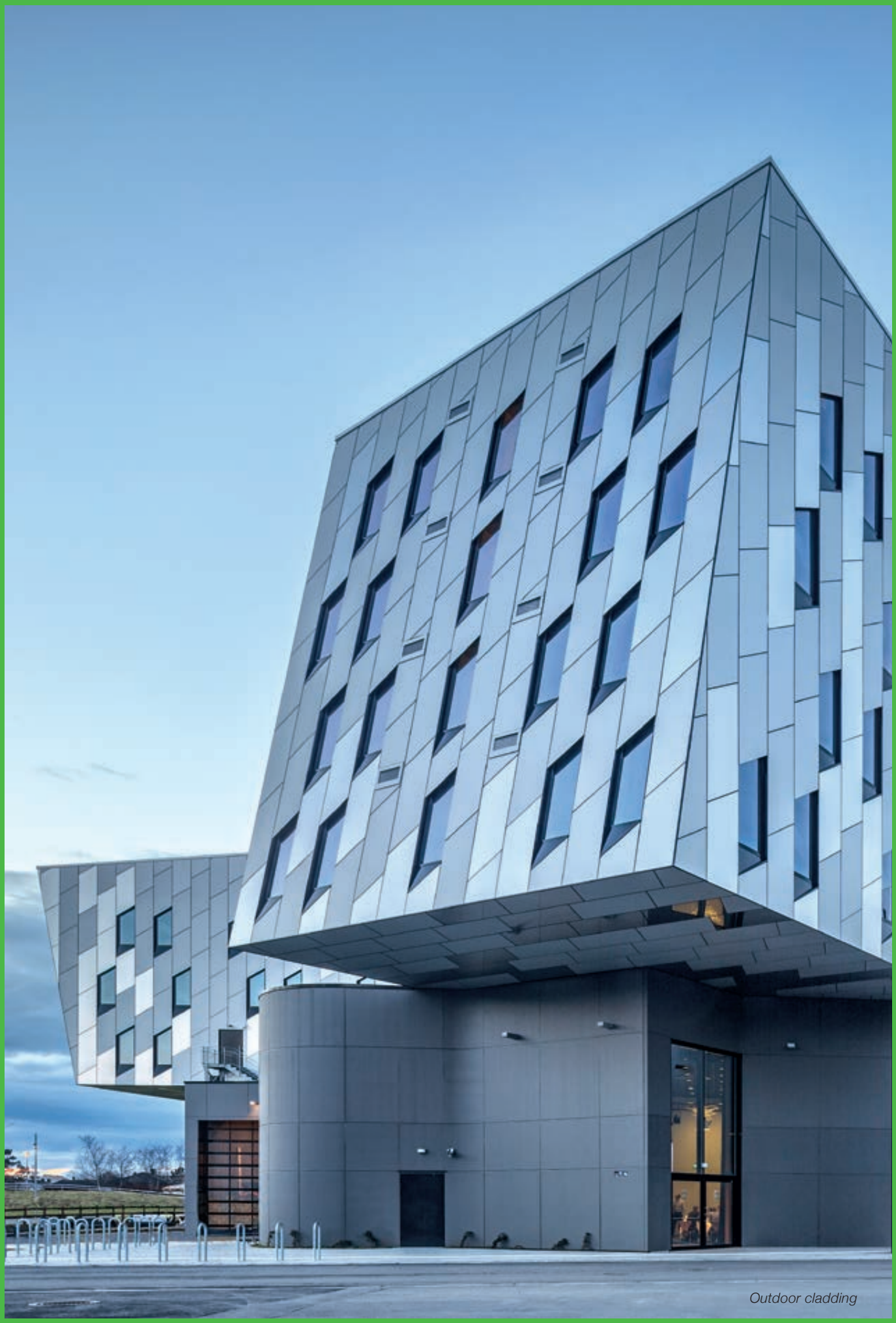


Mechanical manufacturing

We use the most appropriate technology for specific needs.

In its San Giuliano Milanese plant, the ALMECO GROUP has a number of departments devoted entirely to mechanical processes for the creation of the reflectors and their components, supported by a laboratory for the construction of the relative equipment. There are multiple manufacturing operations that are performed using different technologies and processes according to the specific product to be made.

For the creation of contained batches and reflectors with segmented geometries, such as those proposed by the **reflect+A evo**, 2 laser cutting systems (one with fiber technology and the other with CO_2 technology) are used. They combine high execution speed, even in the presence of complex manufacturing, with the needs of production flexibility. Several bending machines deform the cut components, which are then ready for assembly. Through the deep-drawing process, which consists of the cold forming of sheet metal by means of hydraulic presses assisted by robots, it is possible to obtain three-dimensional shapes. Some reflector shapes require the spinning of the metallic laminate sheets, performed with the use of computerised spinning machines. The spun and deep-drawn reflectors are subjected to the galvanic process in the static anodising plant, one of the largest in Europe for its capacity.



Outdoor cladding

Architecture & Design

All the unique magic of an infinite range of colours and finishes.

bandoxalpro®

bandoxaldecor™

bandoxaldecor+ collection

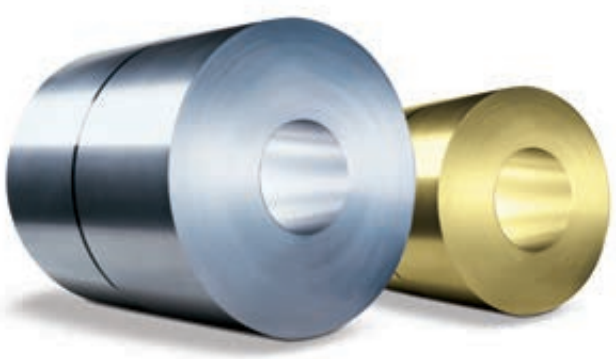
bandoxalform

bandoxaldesign

bandoxalε

Technical but also lively, thanks to its ability to animate itself by reflecting light. Classic and timeless in its purity, but also innovative due to the its multiple shades and finishes. And then recyclable, bright, light, functional and flexible in applications. These are the main - but not the only - reasons that lead a wide range of designers to prefer the aluminium to other metals such as steel, brass or copper. To give a complete answer to the use needs of this material in the architectual and decorative fields, **bandoxal** was born: polished and anodised aluminium produced by the ALMECO GROUP. Anti-static, anti-scratch, fingerprint-resistant and durable over time, the aluminium **bandoxal**, thanks to its light weight and flexibility, is used in the building of structures that combine lightness and strength.

bandoxal is a material suited to design, architecture, furniture and furnishings: from the coating of exterior facades, to walls, ceilings and interiors; from the creation of furnishings and works of art to etching plates and reproducing trademarks; from automotive accessories to nautical finishes; from cosmetics to components for the electrical industry and for household appliances. Naturally beyond lighting.



Architecture

Architectural facades

bandoxalpro combines great resistance and aesthetic

Finally you can take advantage of magic aluminium touches in every architectural environment, no matter if you work indoor or outdoor.

bandoxalpro gives a full range of possible surfaces, including an assortment of electro-colours.

The most engaging projects deserve the highest standards of durability, constancy and tolerance.

bandoxalpro provides aesthetical and technical surfaces with a highly resistant anodizing layer up to 25 micron. To minimize joints and holders metal gauge up to 3mm thick and 2,000mm wide are available in a wide palette.

bandoxalpro®

The elegant metallic range allows the imagination to flow freely since the versatile material advantageously replaces other metals such as copper, brass and steel.
It also offers a broad selection of finishes: matt, satin, brushed and glossy.
Tough and light, its durability over time is exceptional.

Open your mind, **bandoxalpro** is aluminium specially designed for outdoor use, but many other applications are suitable for these surfaces, such as claddings for roofs and facades (i.e sandwich panels, honeycomb panels, composite panels, perforated panels, etc.) welded tubes, automotive, cassettes... Try it!

When looking for the greenest approach, **bandoxalpro** is the right answer thanks to our futuristic zero liquid discharge water treatment plant.

Indoor solutions

Design

bandoxaldecor a rainbow of possibilities

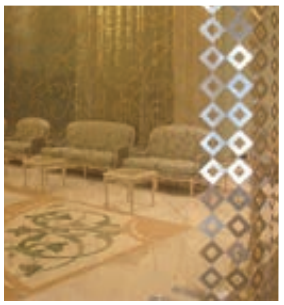
Twenty-one different finishes, sixty colours, eight different thicknesses: the **bandoxaldecor**'s combinations that the ALMECO GROUP offers to its clients through its catalogue are virtually endless. A unique range for its breadth and depth, which is further enriched thanks to the ability to create solutions that are tailored to the specific needs of designers and businesses. **bandoxaldecor** can also be supplied on request with different types of adhesives. The surfaces are designed for a wide range of transformation tecniques, from bending and shaping to cutting, gluing and stamping. They can be silkprinted, hot stamped and laser, mechanically or chemically engraved. Thousands of solutions, including the right one for you.

Table lamp, Belle d'I tech, design: Hind Rabii

Hood

Suspension Orion, design Max Sauze, Ekilux

POP & POS



Presidential terminal Abu Dhabi (UAE) arch. Jean Nouvel, curtain Le Labo

bandoxaldecor+ collection: "tailor-made" in a catalogue

The flexibility of the ALMECO GROUP finds expression in the **bandoxaldecor+ collection**, a unique service formula that allows those who are in need of a limited quantity (< 65 m^2) in a short time to choose from a selection of 30 finishes available in stock. An ideal solution for industrial designers and for those who must create expositions or sales points.

bandoxalε: aesthetic and climate control

Climate control panels work on the principle of radiation. For this application, Almeco R&D developed a special high-emissive finish used in **bandoxalε**. The reflectance spectrum of **bandoxalε** is determined by the oxide layer and its thickness.

From the planning to the finished product.

Even in the decorative sector, the ALMECO GROUP is able to assist its clients by drawing the object until its final creation thanks to its internal design staff that develop the clients' ideas, creates a prototype and then engineers its production. The certainty of quality and production flexibility also adds to the guarantee of a single contact who controls the entire process and keeps costs and timing under control.

Schiphol Airport, Amsterdam (NL) Integra Groep

Total look for Dewitt Watches (F)

Jean-Charles Rochoux Chocolate shop, Tokyo (J)

An esclusive service, custom built

Another advantage for the customer is the maximum customisation of the service. The attention paid to ensure that every product or sheet of metal is protected and packaged is combined with the identification of the optimal warehouse management formula, according to the most advanced and efficient criteria of the supply chain. This allows the client to have material stock ready to be used both at the factory and at Almeco logistics. A supply system with a high degree of customisation supported by the company staff who are entirely devoted to customer service.

Lighting

Materials and products that reflect your ideas.

vega98®
vegaLED
vegaform Evolution
vegaUV
vegagreenLED
vegagreen
vegaSP
vega95®
vegaLED on BOARD
vegaLED98® on BOARD

reflect+A™
reflect+A™ evo
reflect+A™ line
reflect+A™ team

vega is the most advanced expression in high-reflectance aluminium for the ALMECO GROUP's lighting applications. Made with PVD technology and available in several types depending on the specific application, **vega** is characterised by total reflectance values up to 98%, which are 15% higher than those of anodised aluminium. At the same light intensity, **vega** therefore can obtain significant energy savings and increases the efficiency of the lighting fixtures up to 20%.

Available in several versions with different optical characteristics and dedicated to different light sources, **vega** is used in many application contexts within the lighting sector:

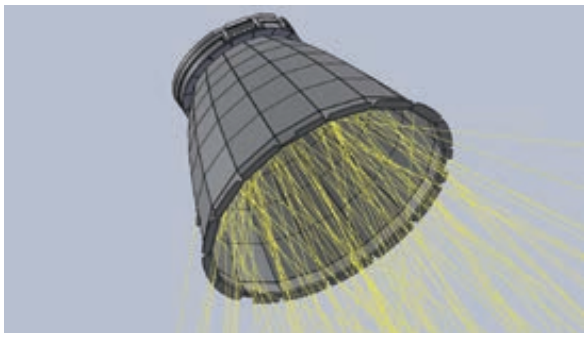
- reflectors for industrial or commercial use (**vega**)
- reflectors for the office (**vega98** and **vegaLED98**)
- reflectors for urban decor (**vega95**)
- reflectors for sports facilities (**vega95)**
- reflectors for street lighting (**vegaform Evolution**)
- reflectors for horticulture (**vega green** and **vega green led**)
- medical and foresensic tools (**vega UV**)
- floodlights and spotlights (**vegaLED98**)
- retrofit lighting systems (**vega98**)
- daylighting and light pipes systems (**vega SP**)
- reflective blinds (**vega SP**)
- MC-PCB substrate (**vegaLED on BOARD**)

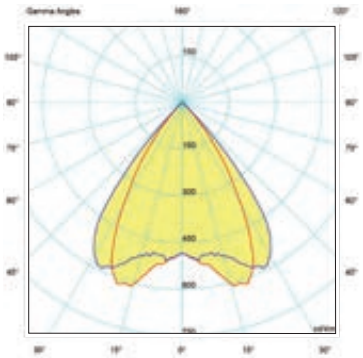
Surfaces

vega aluminium lighting applications

From high-reflectance surfaces to complete reflectors: the exclusive benefit of a single partner

The ALMECO GROUP proposes itself as an integrated partner for the design and construction of reflectors based on the customer's specific needs.
Each new project is developed using the Group's diverse human resources, combining their complementary skills, ranging from commercial to more technical ones (space lighting, optical design, aluminium deformation). In this way, every aspect of the project can be carefully assessed and thoroughly examined, using a synergistic and specialised contribution for the benefit of the customer.
The preliminary phase involves the analysis of project feasibility and development, through a specific graphical simulation software, of a virtual model that verifies the photometric behaviour. The following step is the rapid prototyping phase using a 3D modelling printer or, alternatively, the creation of an aluminium prototype using a laser or drawing process. All the photometric, structural and space checks can be carried out before the creation of the equipment, thus reducing the financial risks and optimising the investments. Once the prototype has been approved, the industrialisation phase of the product starts with the choice of the most suitable manufacturing process among the many that ALMECO GROUP's technology offers, depending on the quantity needed.





The planning and design phases

Reflectors

reflect+A line low UGR office application (E)

Lighting fixture for large open spaces Altis, Thorn lighting

Quattrobi for Just Cavalli

reflect+A ranges: the limitless systems of reflectors ready for use

With the gradual spread of LED sources and their rapid evolutionary development, the ALMECO GROUP has made available to the market an innovative system of modular and customisable segmented reflectors, made of high-reflectance **vega** aluminium at the service of the highest efficiency energy.

The **reflect+A team** patented reflector systems usually consist of three components (bottom, body and frame) that are assembled together with extreme ease according to the specific needs of each client. Each family in the **reflect+A evo** range of optics offers designers the more requested beams in the market (narrow, medium and wide).

The evolution lies in the equation: 3 beams = 1 geometry.

The monopiece reflectors provide the highest L.O.R. on the market.

The **reflect+A line** products combine the usual efficiency with the smallest dimensions and a negligible glare.

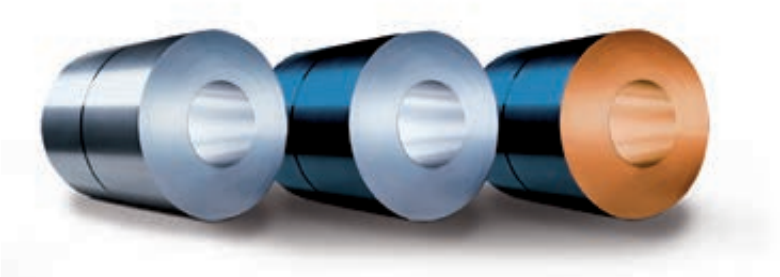
Solar

Our contribution to the development of renewable energy.

vega energy®
vega energy TS
vega energy HT

TiNOX® energy Al
TiNOX® energy Cu
TiNOX® robust

The growing global demand for energy, which is influenced by strong uncertainties related to cost and supply from traditional sources, has imposed, over the last few years, the need to create and disseminate technologically advanced materials that can stimulate the use of renewable alternative energy in line with the renewed environmental awareness.
To take on this challenge on a global level, the ALMECO GROUP has devoted itself to a greater commitment to studying and creating surfaces with dedicated solar energy technologies. This activity, which is based in Bernburg, Germany, is primarily focused on two macro-sectors.
For the solar thermal sector, the ALMECO GROUP has developed **TiNOX energy**, the world's first range of highly selective absorbent coatings which are designed to prevent heat loss and allow the conversion of more than 90% of incident solar energy into thermal energy. Using the know-how acquired in the lighting industry with the unique PVD process, the ALMECO GROUP has then developed **vega energy** in the thermodynamic field, which is a concentration range of specular surfaces with reflectance up to 98%. They are used in the CSP (Concentrated Solar Power) and CPV (Concentrated Photovoltaic) parabolic solar collectors or in the solar thermal collectors and CPC (Compound Parabolic Concentrator) vacuum-sealed tubes, standing out in particular for its excellent performance in the CSP micro-concentrators and the linear Fresnel collector systems.

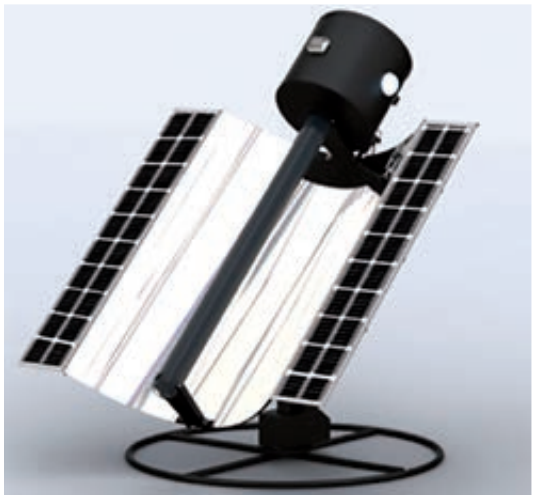


Specularity

high performing solar secondary reflectors

Designed to maximize long term output from your Fresnel or parabolic based secondary solar thermal system, ALMECO's **vega HT** and **vega TS** products can be supplied to suit your installation in sheet form or as finished reflector components custom made to your design. Using specially developed versions of the vega WR solar reflector product range, they offer a combination of high reflectance and temperature resistance to provide a constant performance over the life of the plant.
HT stands for High Temperature and the **vega HT** product is designed to give a constant reflectance at continuous operating temperatures up to 250°.
vega TS (Thermally Stable) is a modified layer stack which minimises the reflectance loss at high temperatures.
A further step in Almeco's commitment to developing products for solar energy applications.

CPC machinery



Concentrator, Himin Solar

CPC details

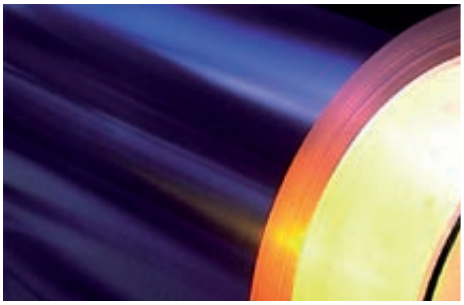
Absorption

When the going gets tough, TiNOX robust gets going

It is a highly selective absorber coating designed for harsh environmental conditions that can be found in flat plate solar collectors near the seaside or in the industrial environment.
Compared to other absorber coatings designed for harsh environmental conditions based on black chromium or lacquer, it features nearly the same optical properties as the well-established coating due to a complex multilayer structure applied by PVD coating process. Due to the special ceramic top layer, the material has good corrosion resistance and fingerprints are nearly not visible. In humid conditions, optical stability is maintained.
It also has an optimum balance between efficiency, environmentally friendly manufacturing and costs.

Extensive solar cooling system in Singapore

Solar district heating

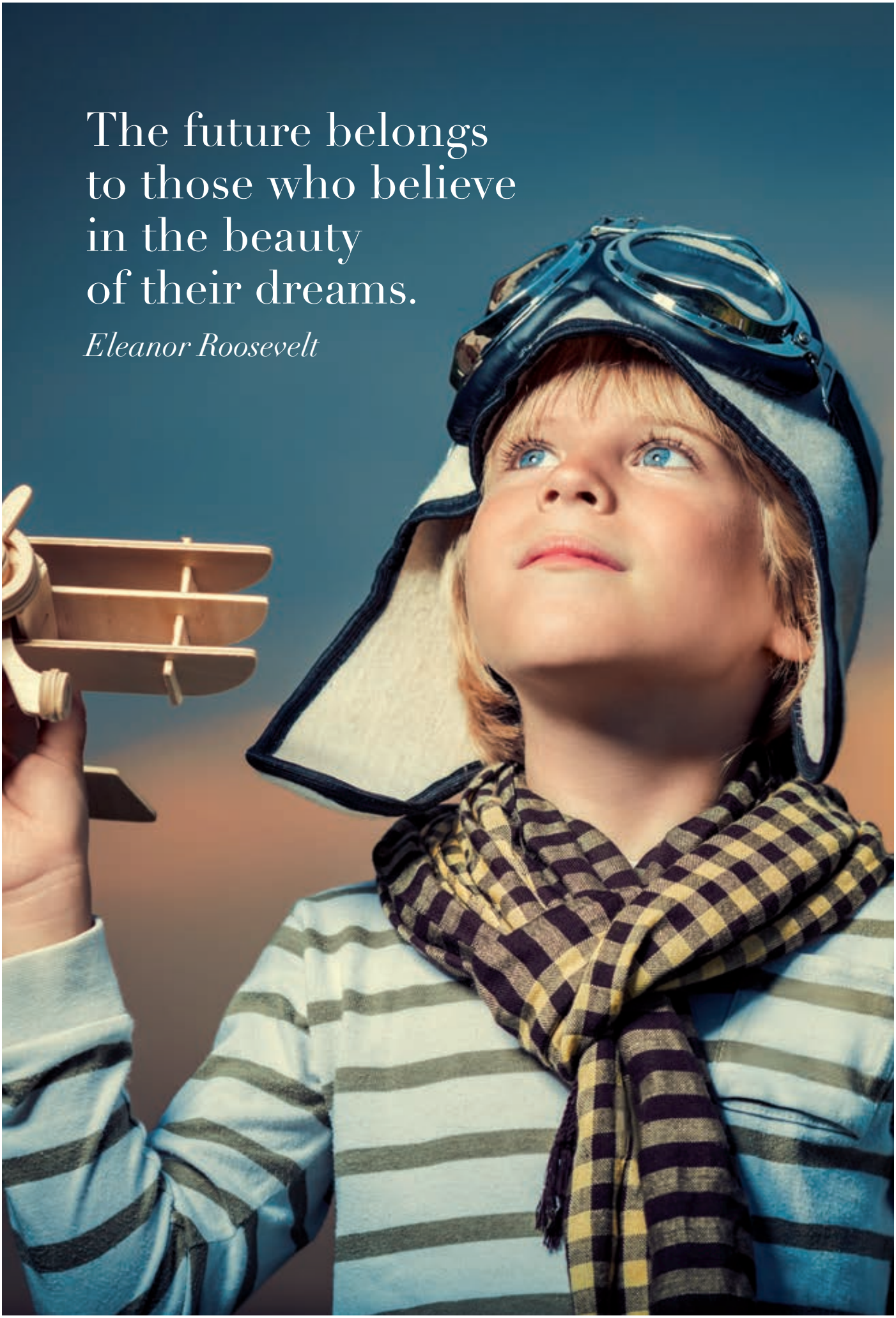


TiNOX energy coil on copper

Absorber tube, Narva

Alongside the builders to design and build customised solutions

The technical knowledge of both the products and the processes acquired over years of experience in the solar industry field allows the ALMECO GROUP to present itself as the ideal partner for manufacturers and developers of solar thermal and social concentration machinery, with the aim of designing and implementing innovative and highly customised solutions. This service is absolutely unique and has been made possible by the specialised know-how developed by the staff who work in the solar division with a full range of machines (laser cutting, bending, etc.) and their organisational and productive flexibility which leads to the assembly of individual components.


The future belongs
to those who believe
in the beauty
of their dreams.
Eleanor Roosevelt

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