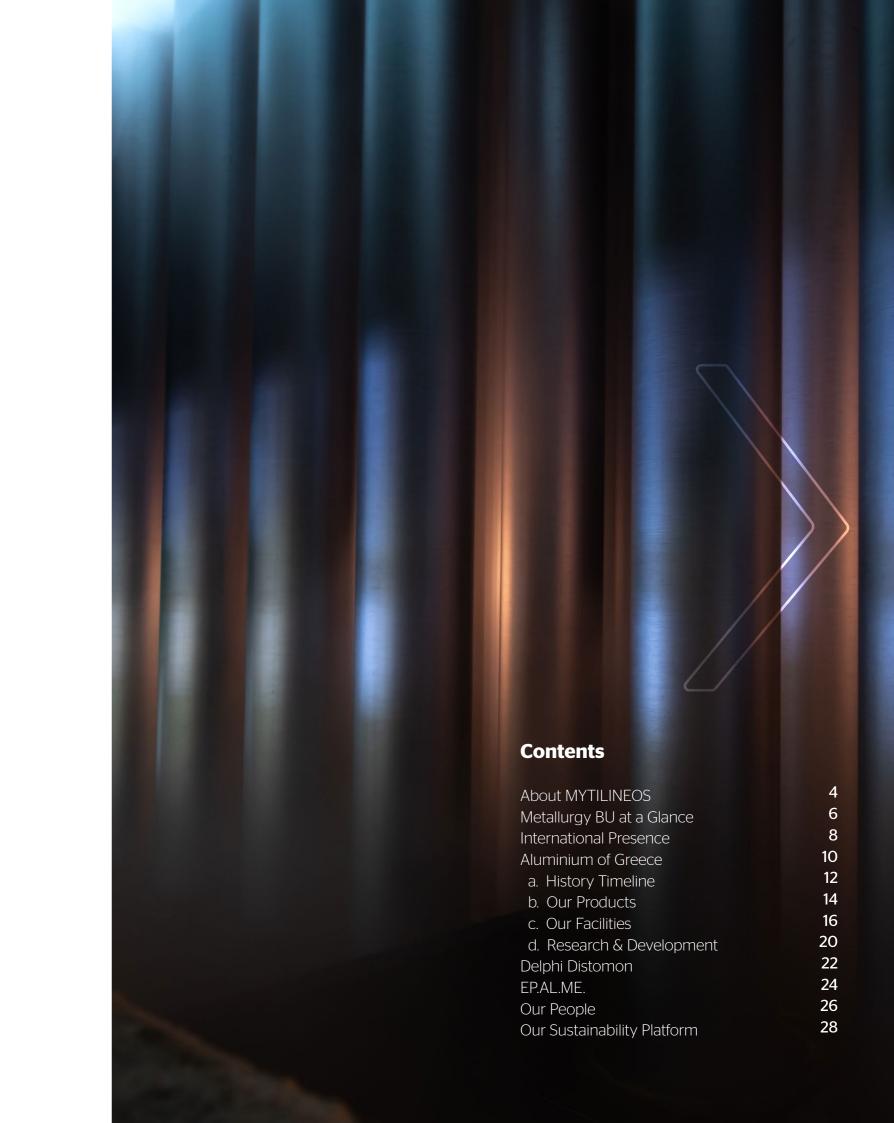


METALLURGY BUSINESS UNIT







About MYTILINEOS

MYTILINEOS is a leading global industrial and energy company with a strong presence in all five continents. The company operates under four Business Units: the Power & Gas BU, the Metallurgy BU, the Renewables & Storage Development BU and the Sustainable Engineering Solutions BU.

The company started as a family metal trading business in 1908 and became a corporate entity in 1990. Established in 1995, the company is listed in the Athens Stock Exchange and featured in the FTSE LARGE CAP Index.

MYTILINEOS completed the acquisition of Aluminium of Greece and its subsidiary Delphi Distomon in 2005. In 2017, MYTILINEOS merged its subsidiaries Aluminium of Greece, METKA and Protergia, into a new single business entity, enhancing operational flexibility and further boosting its purchasing and financing capacity.

With the corporate transformation of 2020, MYTILINEOS formed a new business unit, the International Renewables & Storage Development (RSD) Business Unit, while transformed the EPC BU - METKA into a new, modern and innovative Business Unit; the Sustainable Engineering Solutions BU (SES BU).

The company's focus on sustainability is strengthened by the subsidiaries EPALME, the largest independent producer of recycled aluminium (secondary) acquired in 2018 and Zeologic, a startup specialised in the provision of innovative solutions in the field of liquid and solid waste management.

MYTILINEOS pursues its growth through its business model, responding to the global challenges of Sustainable Development. The company's path to sustainability is characterised mainly by its commitment to responsible entrepreneurship and the alignment of its strategic priorities with the Global Sustainable Development Goals, as well as by its leading role in the evolving national energy transformation and decarbonization. In 2021, MYTILINEOS became the first Greek company to set solid targets to minimise its carbon footprint. In particular, MYTILINEOS committed to minimise its total direct and indirect CO2 emissions by at least 30% by 2030, compared to 2019 levels. By 2050 it is committed to achieve net zero emissions in its entire business activity. Through this decision, MYTILINEOS paved the way for a greener and more environmentally friendly industry, according to ESG (Environment, Social and Government) performance indices.

In 2021 the operating income (EBITDA) reached €359 million increased by 14% compared to 2020 while its revenues exceeded €2.6 billion. Today, the company's workforce lists more than 4,820 direct and indirect employees.



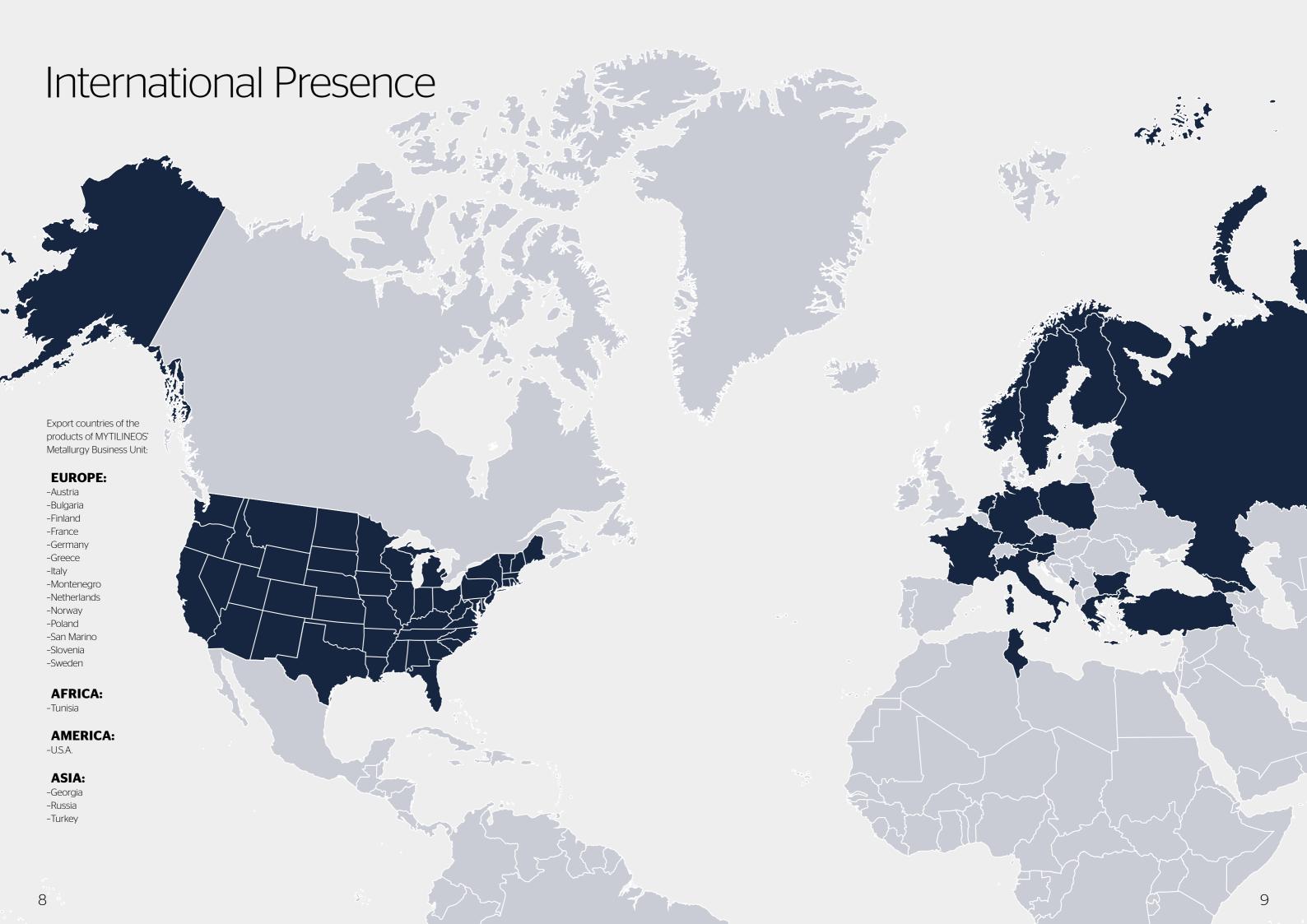
Metallurgy BU at a glance

MYTILINEOS is a leader in the Metallurgy sector. Through Delphi Distomon, it is the second largest producer of bauxite in Greece and in Europe. Due to the Aluminium of Greece plant, it is also the largest vertical producer of aluminium and alumina in Europe. MYTILINEOS is one of the healthiest growing industrial enterprises in Greece. Its international business activity is a driving force for the national economy and for the development of the Greece. The company's focus on sustainability is reinforced through its EPALME subsidiary, the largest independent producer of recycled aluminium.

Aluminium of Greece has been in operation for 50 years and has invested over €600 million in the technological upgrade of its plant's facilities and the improvement of productivity & output. This was one of the largest private investments to be carried out in Greece.

During 2021, a series of further investments were implemented, aiming to increase the production capacity levels of Alumina and recycled Aluminium, enabling the company to respond both to the growing demand and to the ambitious environmental goals it has set.

- Sole vertically integrated bauxite, alumina and aluminium producer with asset base in Europe,
- Second largest producer of bauxite in the European Union, and leading pioneer in the management of bauxite residue,
- Competitive global cost positions for alumina and aluminium whilst retaining highest ESG standards,
- Growing presence in recycled aluminium, aiming to increase output to c.65ktpa, achieving c.250ktpa total production capacity by 2022 and 25% reduction in electricity consumption per ton,
- Long-term relationships with major European customers.





History Timeline

Aluminium of Greece

1960

Establishment of **ALUMINIUM OF** GREECE S.A. The Protocol for the establishment of an alumina-aluminium plant is signed between the Gree State and the contractors (Pechiney - Compadec -Industrial Development Organisation -Niarchos Group).

1966

The plant opens and production of alumina and aluminium from Greek bauxites.

1973

The company is listed in the Athens Stock Exchange. The share of "ALUMINIUM OF GREECE" is listed for the first time on the Athens Exchange.

1976

Installation of Gas Treatment Centers for the reduction of the fluoride contained in electrolysis gas emissions.

1982

"UNION OF ALUMINIUM OF GREECE EMPLOYEES" is established.

2003

The Canadian aluminium producing ALCAN Group acquires Pechiney Group and, by extension, ALUMINIUM OF GREECE.

2006 - 2011

ALUMINIUM launches the operation of its 1st Filter Press for Bauxite Residues. €12 million investment in state-of-the-art technology for the management and utilization of bauxite residues, consisting of four filter presses. The installation of the fourth filter press signals the achievement of the Company's target to dispose all bauxite residues on land.

2011

ALUMINIUM is awarded the First Prize in the Health & Safety category by the European Aluminium Association.

1963

Construction of the industrial facilities begins in Agios Nikolaos, Boeotia 07/04/1963. Prime Minister Konstantinos Karamanlis, inaugurates the plant construction in the presence of the Ministers for Coordination, Industry and Agriculture and by the President of the Hellenic Parliament.

1970 The plant facilities expand and production is doubled. A decade of prosperity and growth for the plant, which expands its facilities and doubles its alumina and aluminium output. The first environmental projects are carried out.

1975

Establishment of DELPHI-DISTOMON S.A. and "DELPHI-DISTOMON" subsidiary. The company is the second largest bauxite producer in Greece and is the result of the merger of "DELPHI DISTOMON BAUXITES".

1986 - 1990

The conversion of the supply process for from peripheral to point-flow is carried out successfully. Supply flow is now automated and computer driven.

2005 MYTILINEOS Group acquires ALCAN's majority stake in ALUMINIUM OF GREECE.

2007

Completion of the merger with the acquisition of ALUMINIUM OF **GREECE by MYTILINEOS** HOLDINGS S.A., with parallel delisting of the company's share from the Athens Exchange. The Group's metallurgy branch is divided and transferred to ALUMINIUM S.A. Delphi-Distomon becomes a subsidiary of MYTILINEOS HOLDINGS S.A.

2017

Merger of Aluminium of Greece with MYTILINEOS S.A

Our Products

Aluminium of Greece

ALUMINIUM

Primary aluminium is the industrial product produced from aluminium oxide (alumina) applying the Hall - Héroult process. The Hall - Héroult process or smelting process is an electrolytic (reduction) process through which the aluminium oxide is converted to liquid pure aluminium with the help of a significant amount of energy. The liquid aluminium is transferred to the Casthouse where it is further processed and mixed with other various metals to create aluminium alloys up to customer needs. MYTILINEOS aluminium plant in Agios Nikolaos produces annually more than 190,000 tons of high-quality casthouse products: an aluminium smelter with annual production exceeding 182,000 tones / year, an anodes production unit with annual production exceeding 94,000 tonnes of baked anodes, a casthouse with annual production of more than 120,000 tonnes in aluminium billets and 70,000 tonnes in slabs. The casthouse of ALUMINIUM of GREECE offers a wide range of aluminium slabs (1xxx, 3xxx, 4xx, 6xxx and 8xxx series in different dimensions) and aluminium billets of high permeability (6xxx series). The personnel's unique know-how; its constant effort for continuous improvement and excellence; the unit's flexibility that allows immediate response to market needs and its consistency to deliver high-quality products, are some of the characteristics that have made MYTILINEOS a strong brand with presence in more than 20 countries all around the world.

RECYCLED ALUMINIUM

Aiming at minimising the Aluminium of Greece unit's environmental footprint, MYTILINEOS has increased its capacity in producing high quality aluminium alloys using recycled aluminium that comes from postindustrial recycling metal scrap. Producing primary aluminium from recycled metal, saves more than 90 percent of the energy needed for primary production and reduces the natural resources used to make primary aluminium. This way we showcase our commitment to circular economy and sustainability. The total annual production exceeds 14,000 tons.

ALUMINA

Alumina or aluminium oxide is the industrial product produced from bauxite applying the Bayer process. About 2-3 tons of bauxite are required to produce one ton of alumina. Depending on the degree of processing, alumina can be hydrated or anhydrous (calcined). Owing to its physicochemical characteristics (hardness, low melting point, chemical inertness) alumina is used in several applications including construction and water purification. MYTILINEOS alumina refinery produces more than 860,000 tons of hydrated alumina per year. Part of this production is used in the AoG's aluminium smelter located next to the alumina refinery. The rest of the produced quantity is exported to Europe and other countries around the world, as hydrated or anhydrous alumina. Alumina is used as a chemical additive in abrasives and insulating materials, refractory materials, detergents, pharmaceuticals as well as substances used for water treatment.



Aluminium



Recycled Aluminium



Our Facilities

Aluminium of Greece

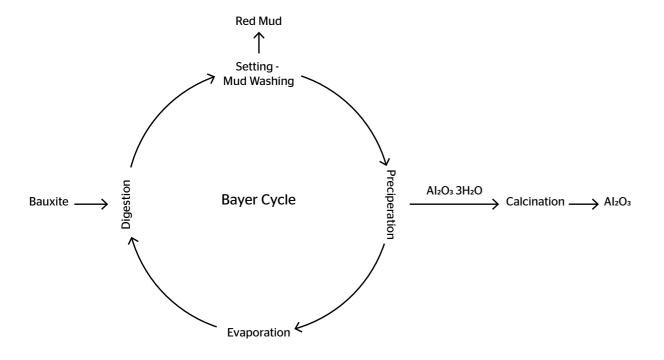


Bauxite stock area

The main source of bauxite for the alumina production in the Alumina Refinery Unit, is Greek karstic bauxite (diasporic bauxite) that comes from the Mt Parnassus - Mt Giona zone. The majority of the quantity of Greek karstic bauxite is produced by MYTILINEOS subsidiary, Delphi Distomon S.A., whose bauxite mines are located in the Amfissa region, while its Technical Direction responsible for supervising production and research, is based in the Prefecture of Fokida. For the production of 860.000 tons of alumina, Aluminium of Greece also processes tropical bauxites (gibbsite) originating from Ghana or Brazil.

Alumina Refinery

Metallurgical alumina is produced by applying the Bayer process. The process involves the selective dissolution of aluminium oxide found in the bauxite ore into a caustic solution (caustic soda). The digestion procedure of Greek karstic bauxite ore used for alumina production, takes place in high pressure vessels known as digesters.





Processing of Bauxite Residues:

Aluminium of Greece was the first plant globally to adopt high pressure filtration technology to handle the bauxite residue produced. The company's decision to invest in the installation of filter presses, reflected its vision to minimise the environmental footprint in the safest and most efficient way, through the adoption of Best Available Techniques in bauxite residue handling. Since 2012, 100% of the bauxite residue produced has been filtered and deposited as a dry filter (moisture below 28%) in the residue storage area, located next to the refinery. The deposition is carried out in accordance with environmental permits and geotechnical studies.



Aluminium Production Unit

Aluminium of Greece produces primary aluminium products (billets & slabs) applying the Hall-Héroult process. For aluminium production, the Aluminium of Greece industrial complex is comprised of:

- An aluminium smelter with annual production of liquid aluminium exceeding 182,000 tones/year,
- An anodes production unit with annual production exceeding 94,000 tons of baked anodes,
- A casthouse with annual production of more than 120,000 tons in aluminium billets and 70,000 tons in slabs.



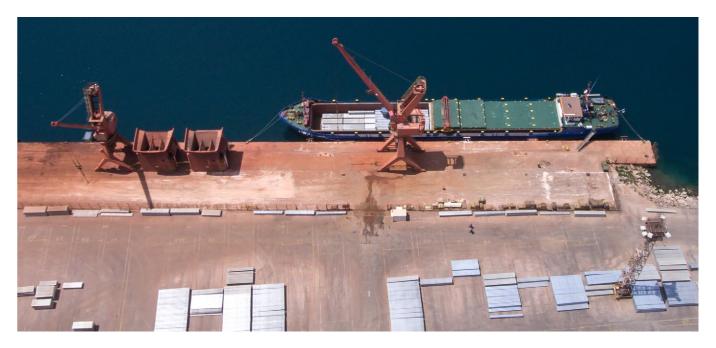
Recycled Aluminium

The Metallurgy Business Unit of MYTILINEOS, following the acquisition of EPALME in 2019, has achieved the largest independent production of secondary (recycled) aluminium billets in Greece with a total annual production that exceeds 35,000 tonnes.



Cogeneration Station

Aluminium of Greece is located next to the 334 MW High Efficiency Electricity and Heat Cogeneration Station of the Power & Gas Business Unit of MYTILINEOS, which operates using natural gas and produces steam (heat) that is used in the alumina refinery.



Port Facilities

The port of the industrial facility, lies among the largest ports in Greece hosting more than 430 vessels per year and exceeding 2,280,000 tons annually in loading and unloading of products (hydrated and anhydrous alumina, aluminium) and of raw and auxiliary materials (bauxite, coke, AIF3, caustic soda etc.).

Research & Development

Aluminium of Greece

Committed to ESG and aiming at creating a sustainable future for current and next generations, MYTILINEOS, innovates by steadily investing in research and development of technical solutions that aspire to meet the great challenges the metallurgy business sector faces. Through its Metallurgy Business Unit, the company participates in 23 European research projects, which focus on addressing key issues of the metallurgy sector including the utilisation of bauxite residues as a raw material for the production of rare-earth elements (i.e. scandium), iron, alumina, cement additives or other construction products; the use of renewable energy sources for the production of aluminium; the utilisation of new recycling technologies in the production line; the production of alumina from secondary sources, etc.



Infrastructure

- · Pyrometallurgical Unit
- · Hydrometallurgical Unit

Bauxite Residue Valorization

- SCALE. Production of Scandium compounds and Scandium Aluminium alloys from European metallurgical by-products.
- SIDERWIN. Development of new methodologies for industrial CO₂-free steel production by electrowinning.
- BIORECOVER. Development of an innovative sustainable strategy for selective biorecoverof critical raw materials from Primary and Secondary sources.
- INCO-Piles. International consortium to recover CRMs from stockpiles/tailings targeting RIS.
- **REEScue**. Integrated process for the recovery of Rare Earth Elements and Scandium from Bauxite Residues.
- **MudFire**. Red mud utilization for development of refractory building materials.
- SCALE UP. Scaling up Scandium production from European industrial residues.

- ENSUREAL. Integrated cross-sectorial approach for environmentally sustainable and resourceefficient alumina production.
- RemovAL. Removing the waste streams from the primary Aluminium production and other metal sectors in Europe.
- RIS-RESTORE. Evaluation of Red Mud Tailings in the ESEE region.
- ReActiv. Creation of a novel sustainable symbiotic value chain, linking the by-product of the alumina production industry and the cement production industry. The main goal is the industrial residue activation for sustainable cement production.
- SMART-G. Smart Geopolymers; development, production, and demonstration of light weight, fire resistant components for the construction industry.
- HARARE. Hydrogen as the reducing agent in the recovery of metals and minerals from metallurgical waste.

High Purity Alumina and Critical Metals

- SCALE. Production of Scandium compounds and Scandium Aluminium alloys from European metallurgical by-products.
- AlSiCal. Towards sustainable mineral and metal industry: ZERO Bauxite Residue and ZERO CO₂ from co-production of Alumina, Silica and precipitated Calcium carbonate by the Aranda-Mastintechnology.
- SisAL Slag. Silicon and High Purity Alumina (HPA) production.
- SisAl Pilot. Innovative pilot for Silicon production with low environmental impact using secondary Aluminium and silicon raw materials.
- ENSUREAL. Integrated cross-sectorial approach for environmentally sustainable and resourceefficient alumina production.
- Valore. Small-scale pilot tests for the extraction of Ga (& V) from Bayer liquors from alumina production.

Sustainable Aluminium Production

- **DeReAL**. Design and development of high quality, low energy and environmentally friendly, recycled aluminium products.
- **RemovAL**. Removing the waste streams from the primary Aluminium production and other metal sectors in Europe.
- **Enopal**. Optimization of energy efficiency of aluminium electrolysis by controlling electrolyte superheat.
- NanoRefraMat. Development of advanced refractories using nanotechnology.
- SPLcycle. Closing the loop of the Spent Pot-line (SPL) in Al smelting process: a novel zero waste technology, for the recycling of SPL from aluminium production.

Energy recovery and renewable sources

 RE4Industry. Facilitation of smooth and more secure transition and adoption of Renewable Energy (RE) in the production processes and facilities of the energy intensive industry (EII) sector in Europe. CO20LHEAT. Supercritical CO₂ power cycles demonstration in operational environment locally valorizing industrial Waste Heat.

Enhancing skills

 EnAct-SDGs. Enhancing the skills of East and South East Europe (ESEE) University graduates and Raw Materials (RM) professionals towards the achievement of SDGs.

- SPIRE SAIS. Skills alliance for industrial symbiosis a cross sectoral blueprint for a sustainable process industry.
- **HydroMetEC**. Hydrometallurgy in raw materials utilization: an educational and communication programme.

Delphi Distomon

Delphi-Distomon S.A., a subsidiary of MYTILINEOS, is one of the largest bauxite producers in Greece and in Europe, with an annual output of more than 570,000 tons, exclusively from underground sites. With its history going back to the 1970s, the company is the result of the merger of "Delphi Bauxites S.A." with "Greek Distomon Bauxites S.A." and is today one of two companies that are actively involved in bauxite mining in Greece.

The most important and commercially exploitable bauxite deposits in Greece are located in Central Greece. Their exploitation in the area of Distomon, in the Prefecture of Boeotia, dates back to 1930.

Until 1961, when the alumina and aluminium production plant was established, the entire quantity of Greek bauxites produced was destined for export.

Delphi-Distomon S.A. employs approximately 80 people today.

Delphi Distomon is the second largest bauxite producer in Greece and in Europe

EP.AL.ME.

EP.AL.ME. is active in the industrial production, processing and trading of metals, especially aluminium alloys and their products and is located in Oinofyta, Municipality of Tanagra, Prefecture of Boeotia, Greece. It is a subsidiary of MYTILINEOS after the acquisition of a 97.87% stake in EP.AL.ME..

EP.AL.ME. is the largest independent producer of recycled (recast) aluminium in Greece, established both in Greece and abroad, adapting its production to high quality standards and to the needs of international customers and Greek businesses, whose sales are largely promoted in international markets. With long-term know-how and highly trained staff and through the optimal processing of recycled aluminium, the company can produce new raw materials, consuming significantly less energy, thus drastically reducing its operating costs and environmental impact.

EP.AL.ME. is an aluminium recycling unit fully implementing circular economy. Its main waste, the ash, ends up entirely in the cement industry as an alternative raw material. It consumes per mt of recycled aluminium, 20 times less energy than is required to produce virgin aluminium. It is the largest producer of second-cast pillar in Greece (production 2021 >37,000 t/y) while it has significant prospects for the development of its activities.

EP.AL.ME. is the largest independent producer of recycled aluminium in Greece.



Our People

MYTILINEOS is one of the largest greek heavy industry companies and provides more than 4,820 direct and indirect jobs in a structured work environment characterised by safety, equality, stability and a commitment of employees to corporate values.

In particular, the Metallurgy Business Unit of the company counts 2,256 employees with high expertise, knowledge, training. Like the whole of MYTILINEOS, its main objective is to operate with a sense of responsibility and consistency for its people, in line with its commitment to always be a leading employer.

MYTILINEOS as a whole and through the Metallurgy Business Unit, continuously invests in the development of human resources and the training of its people. Specifically, Aluminium of Greece, the historic aluminium factory of MYTILINEOS, actively participates in the effort to recognise the basic skills considered important for the implementation of objectives set by the European Union in the context of Sustainable Development and contributes to the development of innovative study programs that provide human resources the necessary skills for the industry of the future.

We are our people and people are the key to our success.

HEALTH & SAFETY

Effectiveness with a priority on Safety is one of the core values of MYTILINEOS: "We accept difficult challenges and strive to achieve our goals, but we always ensure safety at work."

As one of the largest Greek companies active in the industry, the Health and Safety of employees is a primary business objective. In this context, it recognises both its responsibility for the continuous improvement of Health & Safety conditions in its workplaces, as well as the right of its direct and indirect employees to work without being exposed to risks. At MYTILINEOS, a systematic and continuous effort is made to promote and shape a corporate Health and Safety Culture, while implementing an integrated and certified management system for Health and Safety at Work. To this end, a Factory Health and Safety Committee (FHSC) of the Metallurgy Business Unit has been formed, through which 100% of the employees are represented allowing them to be protagonists of a continuous, systematic and methodical process and be active participants in the formation of safety rules.

The company has been awarded several times for the way it operates in this field. The most recent distinctions have been the Health & Safety Awards 2020 for the "Safety Days 2019" initiative, which informed employees of Aluminium of Greece on Health and Safety issues on the factory grounds and the Health & Safety Awards 2020 for the "New Preserving Furnaces & Aluminium Plate Casting Facility" project, which ensured ergonomics and improved the level of safety and working conditions of the staff.







Sustainable Development

MYTILINEOS pursues Business Excellence with a sense of responsibility towards society, the environment and people creating value for customers, business partners and shareholders

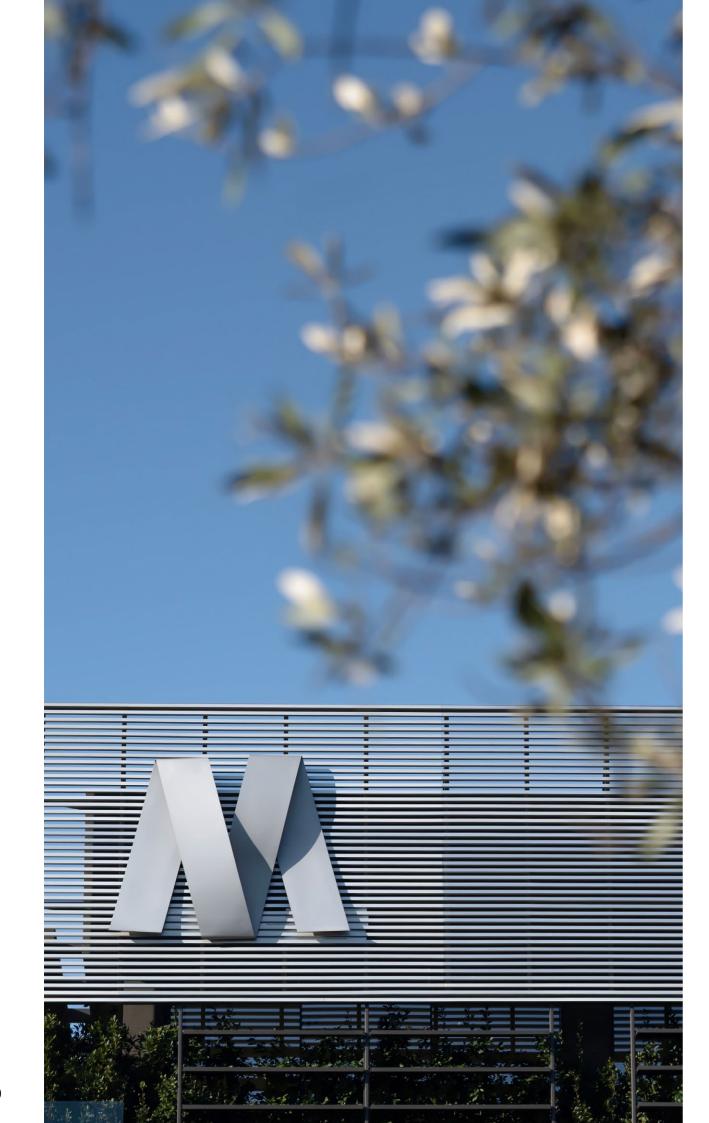


Sustainable Development has traditionally been the driving force through which MYTILINEOS aspires to remain competitive over time, to face modern challenges and - by developing appropriate partnerships - to contribute to a new efficient development model without social exclusions, as has been reflected through the Global Sustainable Development Goals.

In the same direction, the Metallurgy Business Unit remains loyal to the company's sustainable strategy through the necessary initiatives and commitments. In the context of this ESG approach and the specific - measurable and ambitious - $\rm CO_2$ emission reduction targets for 2030 and 2050 announced first in Greece, the Metallurgy Business Unit is focusing its efforts to become a global reference point for Green Metallurgy through commitment to reduce total emissions by 65% and correspondingly specific emissions - per ton of aluminium produced - by 75% by 2030.

At the same time, MYTILINEOS participates in the international Aluminium Stewardship Initiative (ASI) - an international standardization and certification organization that encourages and aligns aluminium industry companies in the direction of sustainable development and responsible production. Through the Metallurgy Business Unit, the company also participates in 24 other European research programs for the development of new technologies that will enable the holistic utilization of bauxite residues, while pilot plants for processing bauxite residues have been created within the industrial facilities of Aluminium of Greece. Also, the Business Unit has entered into a pioneering 11-year collaboration with General Electric for the implementation of the world's first Digital Smelter, an innovative digital solution in the electrolysis process with the aim of optimizing productivity and reducing energy costs.

At the same time, by 2026 MYTILINEOS aspires to have progressed to a large extent in the electrification of the Metallurgy Business Unit from RES, to have increased the production of secondary aluminium to 26% of the total aluminium production and to have integrated basic digital industrial methods in all production stages.



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