



Alumil

COMPANY PROFILE

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At ALUMIL we build excellence every day.

Through our modern production facilities and strict quality controls along the entire production line, we ensure the creation of superior products of high added value. Our continuous research and development leads to offering unique solutions with many innovative features, which totally meet the needs of our customers.

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Introduction



With **more than 30 years** of experience and 2.200 employees,
we are one of the **most advanced companies** globally

in the design and production of architectural aluminium systems,
owning state-of-the art production lines in our **12 factories in Europe**



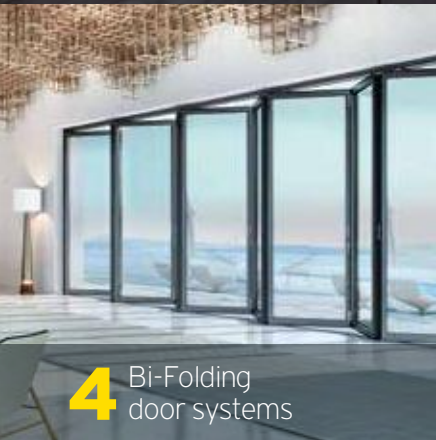
1 Hinged window & door systems



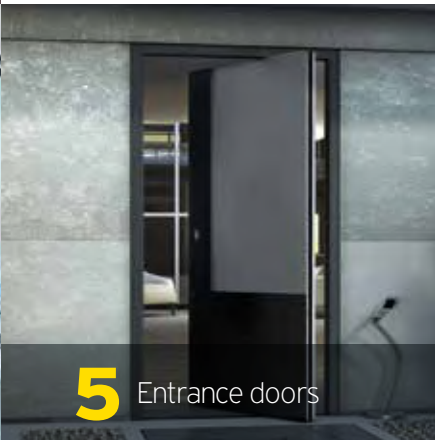
2 Sliding window & door systems



3 Shutter & Rolling shutter systems



4 Bi-Folding door systems



5 Entrance doors



6 Fire Resistant & Heavy duty doors



7 Curtain Wall & Façade systems



8 Office partition systems



9 Solar shading systems



10 Cladding systems



11 Atrium & Conservatory systems



12 Customized fenestration systems



13 Polycarbonate sheets



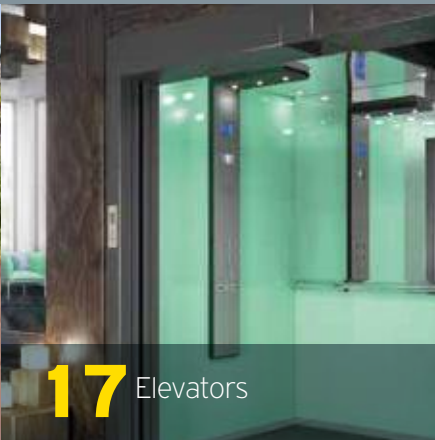
14 Railing systems



15 Pergola systems



16 Decking systems



17 Elevators

Product Portfolio

The world is changing rapidly and new demands are born every day. Modern buildings require the design and construction of fenestration systems with high standards. By focusing always on the specifications and the requirements of the most advanced markets worldwide, ALUMIL has created a product portfolio which incorporates innovative products and responds perfectly to the modern building needs.

The needs of our customers are quite wide, and so is our product portfolio. Each of our products was designed with one think in mind: How to offer the best possible solution and maximize the value for our customers.



18 Building Integrated Photovoltaics (BIPV) systems.



19 Photovoltaic mounting systems



20 Noise barriers

Vision, Mission & Values



OUR COMPASS

In a constantly evolving global environment, it is important to be always aware of who we are, what we do and where we want to go. Our "Ithaka" is called "Building excellence" and we are trying hard to make every day one step closer to it.

Vision

Our vision is to be a leading company in developing and producing aluminium systems for architectural applications.

Mission

Our mission is to improve the quality of people's lives by enhancing the performance of their buildings, with products of the highest quality, technology and aesthetics.

We offer to our customers products that provide:

- / High aesthetic results in accordance with the latest architectural trends.
- / Energy efficiency through advanced thermal insulated aluminium systems and shading systems.
- / High security level against burglaries, vandalism, fire, smoke & earthquakes.
- / Protection even in extreme weather conditions.
- / Various solutions for people with special needs.
- / Renewable energy solutions through integration of photovoltaic systems into building cells.

Values

Our values are the essence of our overall business philosophy and reflect the way we approach our customers and stakeholders.

Integrity

Our actions are characterized by openness, honesty and consistency. We honor the commitments and keep our promises. We conduct our business activities honestly and impartially, without being influenced by external factors or by personal sympathies and estimates.

Team Spirit

We establish open and positive relationships in order to promote cooperation and achieve better results. We believe that the results of the team are always bigger than the individual results of people who compose it. We encourage and we use interactive communication and constructive dialogue.

Initiative

We make use of every resource, be it human or not, aiming for continuous personal and corporal progress, which results from the ideas of all.

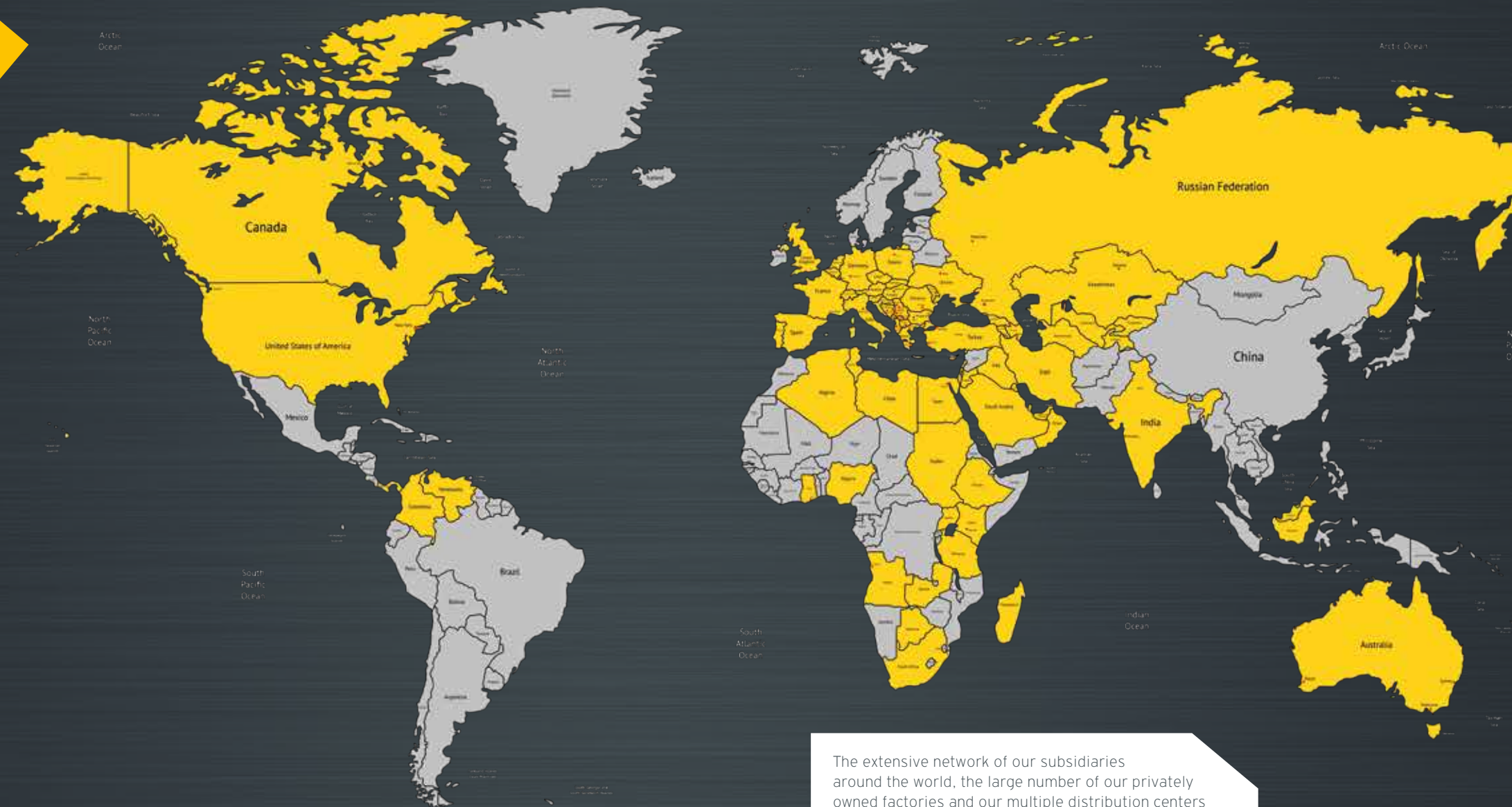
Loyalty

The company and its employees show loyalty to the client, as well as to each other.

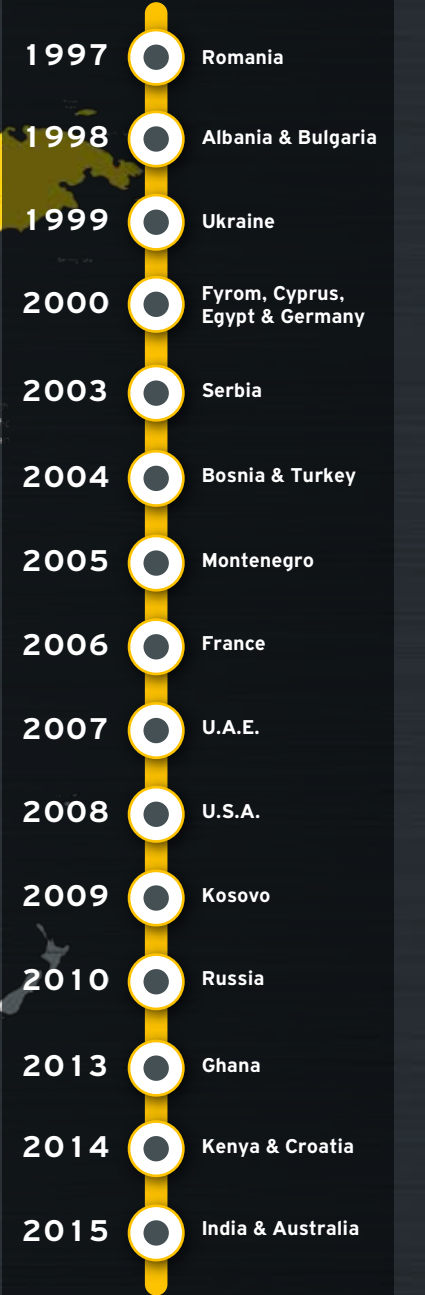
Meraki

Meraki is a word that modern Greeks often use to describe doing something with soul, creativity, or passion - when you put "something of yourself" into what you are doing.

Global Presence



ALUMIL's worldwide evolution throughout the years with establishment of multiple subsidiaries in all continents.



For over 30 years, we design and develop solutions on a global scale and provide products tailored to the local needs of each market. The accumulated experience of ALUMIL through its engagement in international markets leads to solutions that incorporate state-of-the-art technology and products that are one-of-a-kind.

THINKING GLOBALLY, ACTING LOCALLY

A strong international sales network in over 60 countries worldwide, with 32 subsidiaries across the globe, in all continents, prove that ALUMIL is among the top suppliers of architectural aluminium systems, with products that meet the highest requirements and cover an impressively wide range of architectural needs.

The extensive network of our subsidiaries around the world, the large number of our privately owned factories and our multiple distribution centers ensure efficient service internationally.

- / Presence in over 60 countries in all continents.
- / 32 Subsidiaries worldwide.
- / 12 factories in 6 countries: Greece, Bulgaria, Romania, Albania, Serbia, Bosnia & Herzegovina.
- / Privately owned Sales & Distribution Stores (SDS): Greece, Romania, Serbia, Albania, Bosnia & Herzegovina, Montenegro, Cyprus, Croatia, Fyrom, Bulgaria, Kosovo, Turkey, Egypt, Kenya, Australia, Russia, India.
- / 10.000 partners worldwide.
- / Strong Engineering (Greece, U.S.A., Romania, Serbia, Dubai, India).

Production facilities

High vertical integration



One of ALUMIL's key competences is its high vertical integration. From the foundry to various surface finishes, our ability to control all the production processes from the very beginning to the end, ensures excellent quality control, flexibility and fast response to the needs and wants of our customers.

HOLISTIC PRODUCTION APPROACH

ALUMIL's main strategic choice has always been the constant improvement and expansion of its production capabilities. Thus, today it is one of the largest producers of architectural aluminium systems in Europe with a production capacity of over 100.000 tonnes annually, ensuring effective quality control over the entire production process.

EVERYTHING FROM ONE HAND, IN EXCEPTIONAL QUALITY

Production Plants

We love what we do and that is why we want to be excellent in every aspect of it. As of today, ALUMIL has 12 factories in 6 countries. To get an idea of our immense vertical integration, consider that our industrial facilities include:

- 11 aluminium extrusion lines with a capacity of 100.000 tns.
- 8 powder coating lines (7 horizontal, 1 vertical).
- 3 sublimation lines for wood imitation and special effect colors.
- 3 anodizing plants.
- 2 foundry for aluminium billet production with a capacity of 80.000 tns.
- 8 thermal break assembly lines.
- 1 production site for various prefabricated entrance & interior doors, through the business unit of INTERNO Doors.
- 1 manufacturing plant for roll-formed aluminium-foam filled profiles.
- 1 production site for elevators and automated systems through METRON, an autonomous subsidiary specialized in automation.
- 3 manufacturing plants for production, processing and assembling of accessories.
- 1 manufacturing plant for aluminium composite panels with a capacity of 950.000 m².
- 1 manufacturing plant for polycarbonate sheets.

Capable of everything

In ALUMIL's industrial sites are operating:

- / Multiple CNC lines, bending machines, cutting saws, drilling machines.
- / Accessories assembling lines.
- / Automated packaging lines.
- / Polyamide & PVC extrusion lines.
- / Solar truss assembly line.
- / Polishing machines & sand blast lines.
- / Sound wall machines.
- / Windows & doors fabrication unit.

Traceability: Ensuring Quality

The main reason ALUMIL has put such an enormous effort to develop a totally autonomous production plant capable to produce almost everything concerning architectural aluminium systems is basically one: TRACEABILITY.

Thanks to our advanced material handling system and our cutting edge ERP system, we know every aspect of our production process and are able to make continuous improvements. In addition, we can prevent on time possible problems and implement an accurate tracking system of any item, from the starting point of production or purchase, until the final delivery. In that way we can assure guaranteed quality to our customers, every day.

Quality Assurance & Certifications



QUALITY IN THE FOREGROUND

ALUMIL is committed in producing products of exceptional quality and high added value, while it continuously develops and improves its quality control management, always aiming at the total satisfaction of its customers. We implement international production and quality control management systems and certify all our architectural systems in world-renowned institutes.

In-House Quality Control Laboratories

To ensure top quality, we test our products along the entire production process through our multiple in-house Quality Control Laboratories.

- 1) Tensile strength Lab: Extrusion Lines.
- 2) Powder coating Lab: Fully equipped laboratory.
- 3) Anodizing Lab: Fully equipped laboratory.
- 4) Polyamide assembling Lab: Q-Test, T-test, programmed oven (20-200°C) & laser machine for traceability.
- 5) Material Analysis Spectrograph: Aluminium Foundry.
- 6) New Products Testing Lab.

Incoming products

Products which are not produced by the company are strictly tested before they enter the warehouse. If they comply with the AQL 2.5 criteria, they can be released for sale.

As a top European company in our industry, it is sine qua non to have every aspect of our production process certified according to the strict European and international norms. Quality & respect to the environment, as well as health & safety at work, are fundamental priorities in ALUMIL Group.



PERFECTION THROUGH CONTINUOUS TESTING

QUALITY MANAGEMENT SYSTEM

According to the international standard EN ISO 9001 by TÜV NORD CERT. By implementing an advanced Quality Management System we ensure the high quality of our products and services in order to have satisfied and dedicated customers. Specifically, ALUMIL applies its Quality Management System regarding the design, manufacture and distribution of architectural aluminium profiles and the purchase, production and distribution of aluminium accessories.

FPC - FACTORY PRODUCTION CONTROL

According to the international standard EN ISO 15088 by TÜV NORD CERT. ALUMIL applies production controls according to the international standard EN ISO 15088, so as to assure that all of its quality controls are as reliable as possible. At the end of each production stage, a sample is thoroughly controlled regarding various quality attributes (e.g. surface, geometry).

ENVIRONMENTAL MANAGEMENT SYSTEM

According to the international EN ISO 2015 by TÜV NORD CERT. The certificate ensures the harmonious coexistence of ALUMIL's activities with the natural environment. ALUMIL has established and applied from 2002 a certified Environmental Management System in accordance to the international standard EN ISO 14001:1996 regarding the extrusion of aluminium, powder coating, wood imitation surface treatment and the production of thermally insulated profiles.

MANAGEMENT SYSTEM FOR HEALTH AND SAFETY AT WORK

According to the national standard BS OHSAS 18001:2007 by TÜV NORD CERT. The company has been implementing a Certified Occupational Health and Safety System since early 2003, which aims to identify, evaluate, prevent and address occupational hazards and comply with relevant legislation.

QUALICOAT

Powder coating certification for aluminium profiles.
At European level, the quality control and certification of powder coated aluminium products is determined by the specifications of the QUALICOAT standard. ALUMIL is certified with the QUALICOAT and SEASIDE CLASS certification marks from 1999, by the Hellenic Aluminium Association, member of the European Aluminium Association.

GSB INTERNATIONAL

Certificate of Quality Coating for aluminium profiles.
Since July 2003, ALUMIL's powder coating procedures are certified by the German standard GSB International. The certification body of GSB International is conducting a wider range of controls in comparison to the QUALICOAT standard, thus assuring even further ALUMIL's exceptional powder coating quality.

QUALANOD

Certificate of anodizing quality assurance.
ALUMIL's anodizing plant is certified from 2008 by the Hellenic Aluminium Association, member of the European Aluminium Association, according to the certification mark QUALANOD, a European standard which assures high quality of anodized aluminium profiles.

NF Certification - Thermal Insulation Profiles by the French CSTB

Certificate for thermally insulated aluminium profiles.
In 2008, the company carried out the conformity of production and quality control regarding thermally insulated aluminium profiles in accordance to the French NF 252 standard of the French Scientific and Technical Center for Building (CSTB). This is a certification of compliance concerning the technical specifications and other production and quality control requirements of intermediate and finished products, as well as the application of polyamides.

QUALITY ASSURANCE



It is our philosophy to place every employee in the position of the quality controller and enhance personal responsibility for efficient quality control.

Training of employees on quality aspects

Paying close attention to the importance of the human factor in achieving high quality, we define for each position a specific quality control directive which must be followed carefully. Additionally, group trainings are carried out regularly regarding new products, as well as re-trainings for existing ones.

In addition, we use a digital information system, through which any acquired experience in production can be recalled digitally, whenever a particular product is manufactured. Finally, special quality control executives, through their continuous presence at various production stages, educate and retrain our people on a permanent basis.



CUTTING EDGE RESEARCH

ALUMIL produces high quality aluminium systems which are designed and developed by the Group's innovative Research & Development Department and then tested and certified by internationally accredited certification institutes and laboratories, such as ift Rosenheim (Germany), A.A.M.A. (USA), Istituto Jordano (Italy), CSTB (France), ATG (Belgium), EXOVA (United Kingdom) and many more.

Research & Development is part of our DNA. Our experienced and specially trained engineers are designing new systems and continuously inventing technical solutions.

In the company's advanced laboratories there is ongoing research on systems which incorporate excellent design, top performance and outstanding energy efficiency. By using state-of-the-art equipment (e.g. 3D Printers, CNC Machines) and thanks to our Advanced Testing Center, we are always at the forefront of technological development, always one step ahead.

In addition, we maintain collaborations with leading European Universities and Research Centers and are in direct contact with the R&D departments of renowned manufacturers of aluminium system accessories. Therefore, it is no coincidence that our products are certified by the most recognized institutes worldwide.

WE CAN REALIZE YOUR VISION

Our R&D is able to offer customized solutions for projects that require specially designed systems or typologies. The expertise level of our engineers along with the flexibility of our production processes thanks to the high vertical integration of our plant, lead to exceptional results especially when it comes to customized solutions. Note that we recently developed one of the most sophisticated hi-tech customized window systems on behalf of Google Inc. in New York. Our highly advanced technological level in combination with our ability to provide tailor-made solutions, make us one of the most competitive companies in the industry, globally.

Carbon Fiber Research

Carbon Fiber Technologies (CFT) is a new innovative business unit of ALUMIL that focuses on the research and development of carbon fiber and its applications on architectural systems. Composite materials become more and more important in the building industry and carbon fiber with its impressive mechanical properties has the potential to offer, in combination with aluminium, unique solutions for robust, yet impressively lightweight constructions.

Strict testing processes for top results

ALUMIL measures and certifies the performance of its products in its state-of-the-art testing facilities, in close collaboration with the renowned German Testing Institute ift Rosenheim. Thanks to the use of advanced equipment, certified by ift Rosenheim, we can measure and certify the performance level of various characteristics:

- Watertightness - EN 1027
- Air permeability - EN 1026
- Resistance to wind load - EN 12211
- Burglar resistance - EN 1627:2011
- Soft and heavy body impact - EN 13049
- Operating forces - EN 12046-1:2003
- Operating forces - EN 12046-2:2003
- Determination of the resistance to racking - EN 14608:2004-06
- Determination of the resistance to static torsion - EN 14609:2004-06
- Building hardware Requirements and test method for windows and doors height windows - EN 13126-8:2006-02
- Sound reduction - EN 717

ADVANCED TESTING CENTER



Customer Service



WE SUPPORT YOU STEP BY STEP

ALUMIL has a multinational engineering team with more than 100 engineers from 20 different countries. In addition, ALUMIL has an advanced department with engineers dedicated on large scale projects requiring special attention regarding design, technical support and project management. We work hand in hand with developers as early as from the design stage of the project, to offer solutions that will optimize costs, while adhering to the requirements of each building.

Providing complete solutions and detailed technical plans to architects, construction companies and fabricators by using state-of-the-art computer software (e.g. ALUMILCAL).

Preparing comprehensive project folders with detailed technical solutions & proposed system specifications and typologies, certifications, costs, project plan etc.

Our engineering team offers comprehensive technical and engineering services for large construction projects across the globe, collaborating closely with architects, project developers, construction companies & fabricators.

Monitoring the development of large construction projects and offering project management assistance, in order to reassure that aluminium fabricators follow ALUMIL's specifications and guidelines.

Proposing new aluminium systems, in collaboration with ALUMIL's advanced R&D department, so as to enrich the company's product range and meet fully customer needs.

LIFE BECOMES EASIER WITH “MY ALUMIL”

Our innovative and award-winning B2B platform MY ALUMIL for online ordering, offers to our partners a comfortable and enjoyable experience across its interface. Aiming always at the immediate and complete information, it has an interactive homepage, through which users can be informed about our latest news, order policies and about new product launches, as well as current product offers and promotions.

Furthermore, the ordering process has been made as quick & easy as possible and users have the ability to control the available product stocks and check the final totals of their orders.

The communication form and the notifications provide a highly effective two-way communication channel, through which our company can stay in constant touch with you.



ALUMILCAL and U_w calculation

Always taking care of the needs of its partners, ALUMIL has created ALUMILCAL, an advanced software for fabricators, which was designed in cooperation with ORGADATA, one of the largest software companies in the construction industry.

Some of the most important features of ALUMILCAL are:

- Calculation of materials
- Cutting list
- Declaration of performance and CE
- Export drawings in AutoCAD
- Link of the software with CNC machines
- Certification of U_w thermal calculation
- Static calculation of the construction

One of the most important advantages of ALUMILCAL is its direct connection with the company's ERP system. Thanks to that, the software is always updated automatically in accordance with the latest product updates.



International Logistics Center

Our advanced International Logistics Center and our various warehouses across the globe are able to serve the global markets effectively, wherever and whenever.

The strategic geographical position of our plants, in the heart of the Mediterranean basin and at the crossroads of western and eastern countries, is an important competitive advantage, enhancing the effectiveness of our distribution processes. Our fast access to international ports, ensures fast shipments and flawless transportations overseas. Moreover, we choose carefully our transportation partners and use the best possible logistics solutions for our customers.

Last but not least, our advanced information system manages the systematic monitoring of all processes, from the import of raw materials to the final product. So, with us, nothing gets lost.

WORLDWIDE DISTRIBUTION

Our warehouses are managed by a **modern Warehouse Management System**, which is interactively linked to the **central IT System** of the company and coordinates all the warehouses of the **Group across the globe**.

Sustainability



RESPECTING THE ENVIRONMENT

ALUMIL, a continuously growing developer and producer of aluminium systems, recognizes that economic growth can and must go hand in hand with a healthy and safe environment. Therefore it has been always an important part of its goals to combine its dynamic activity with the necessary respect to the environment, by protecting and improving it. For this reason, since 2002 the company implements a certified environmental management system according to EN ISO 14001.

To protect actively the environment, and not just theoretically, we take the following measures:

- / We establish clear and measurable targets, where possible, to assess our performance in environmental protection.
- / We carry out environmental inspections in a regular basis and introduce energy saving measures.
- / We offer appropriate environmental education to our staff, especially to staff with important environmental responsibilities.
- / We implement waste minimization and recycling improvement strategies.
- / We take the environmental performance of our suppliers into account.
- / New expansion or development activities are based also on environmental criteria.
- / We establish procedures for the neutralization and proper disposal of waste.
- / Funding of all those measures to achieve our environmental objectives.



RECYCLING AND REDUCE OF WASTE DISPOSAL

We are dedicated to support the friendliness of the production processes towards the environment, the prevention and reduction of pollution, the preservation of energy, natural resources and consumables, the search and development of alternative and renewable energy sources and the least possible negative environmental impact.

2007

Water recycling across the entire production process. Through specific actions we achieved to reduce our water consumption by over **80%** in our extrusion and anodizing lines and by **40%** in our powder coating lines.



2007

We undertook an "electrical energy saving" program and reduced our overall electrical energy consumption by **12%**.



2017

We replaced all HPS lamps of our production facilities with new ecofriendly LED lamps, saving **80%** in electrical energy consumed for lighting.



2008

By changing our energy supply from LPG to Natural Gas, we reduced our carbon dioxide footprint by **124%**.



2008

We use completely chrome-free dyeing processes. In addition, through the environmental upgrade of our powder coating line, we reduced the use of chemical compounds during the process of liquid waste and improved the overall quality of liquid waste.



2014

We apply a holistic recycling approach along our entire production plant and try to recycle every kind of waste produced out our factories. Notably, on 2014 we recycled approximately **1000 tonnes** of non-metallic waste.



2009

Special installation for collection and recycling/re-use of excess powder coating paint that does not agglutinate on the aluminium surface.

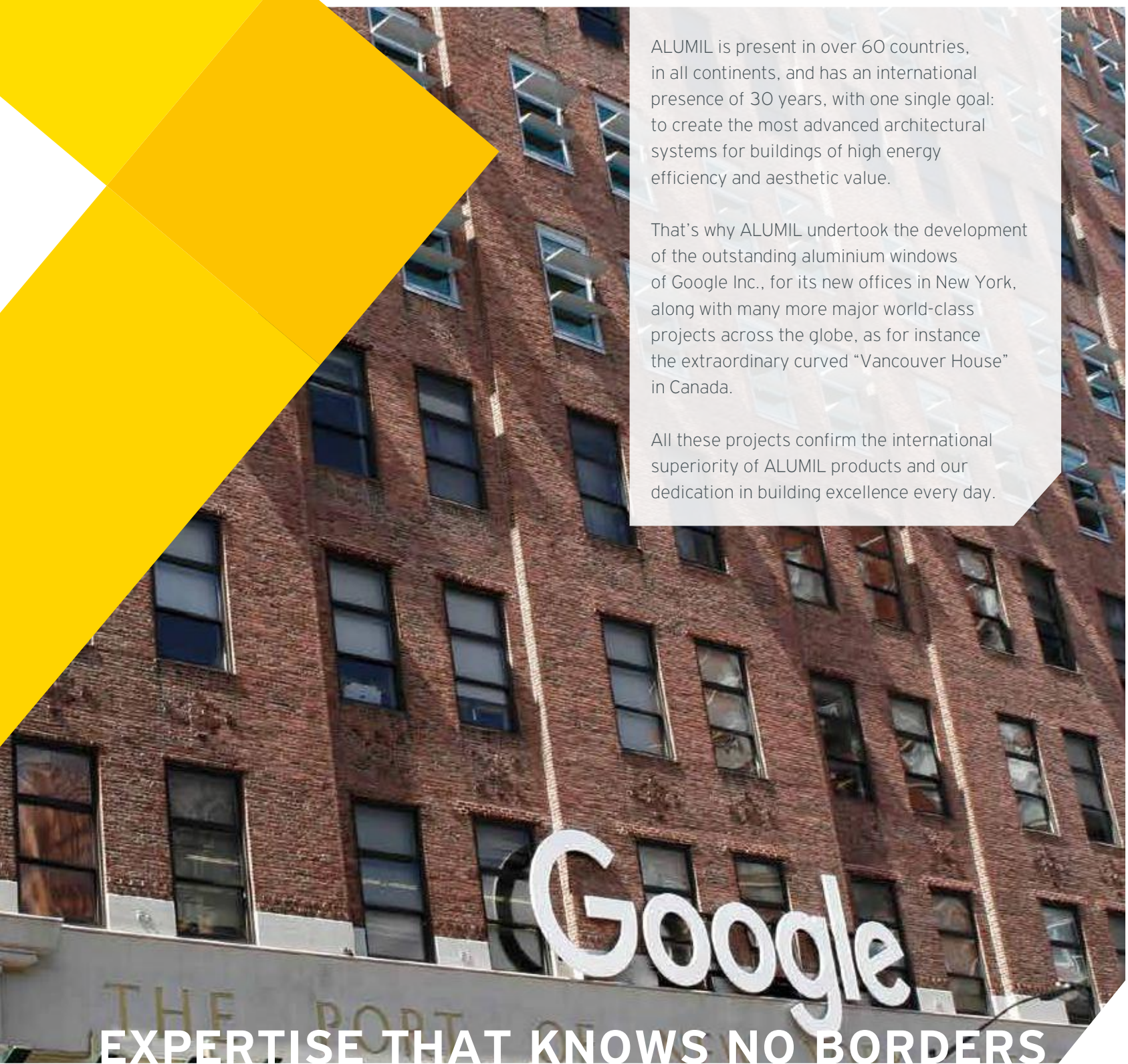


2010

Recycling of aluminium scrap through our advanced in-house aluminium foundry. By using recycled high quality aluminium, the needed electrical energy is **95%** less than the energy needed for electrolysis of alumina. Moreover, our foundry is one of the few in the world powered partially by solar energy.



References



ALUMIL is present in over 60 countries, in all continents, and has an international presence of 30 years, with one single goal: to create the most advanced architectural systems for buildings of high energy efficiency and aesthetic value.

That's why ALUMIL undertook the development of the outstanding aluminium windows of Google Inc., for its new offices in New York, along with many more major world-class projects across the globe, as for instance the extraordinary curved "Vancouver House" in Canada.

All these projects confirm the international superiority of ALUMIL products and our dedication in building excellence every day.

THE PORT OF
EXPERTISE THAT KNOWS NO BORDERS

Google offices / **New York - U.S.A.**

High-rise Buildings



Vancouver House
/ **Vancouver - Canada**



Jeddah Tower
/ **Jawhara - Saudi Arabia**

Energy Efficient Buildings



Ladybird Early Learning Center
/ Dubai - U.A.E.



Green Plaza
/ Athens - Greece



Hotel Solutions



Century Plaza / Los Angeles - U.S.A.

7th Heaven
/ Dubai - U.A.E.



Customized Solutions

Luxury Private Housing



150 Charles Street
/ New York - U.S.A.



Madison Avenue 160
/ New York - U.S.A.



Private holiday house
/ Kos - Greece



Private villa / Athens - Greece

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