

TRANSPORTATION

Aluminium solutions for sea, road and rail

Going further with aluminium

Challenging Transportation solutions, shaping sea, road and rail mobility

Aluminum's broad range of properties makes it the preferred choice for applications in the Transportation Industry. Its formability, light weight, strength, durability and corrosion resistance are unparalleled advantages for cost efficient structures. Furthermore, the use of aluminium yields reduced total carbon footprint, since it can be recycled without degradation of its original quality, for an infinite amount of times.

Elval ranks among the leading suppliers of flat rolled aluminium products for the road transport, marine, automotive and rail industry, using its state-of-the-art equipment, extensive R&D and production flexibility to offer tailor-made solutions and excellent customer service, for every type of application.



www.elval.com



Lightweight



Safe



Recyclable



Cost efficient



Energy saving

Aluminium for Road

Efficiency and sustainability on the road

The use of aluminum in the truck and trailer sector allows heavier loads and less fuel consumption, resulting in cost saving and environmental standards compliance. Elval has developed a wide range of aluminium products that fulfill customer needs for reduced weight, elevated mechanical properties and superior finish. With production lines that offer extensive dimensional capabilities and R&D that yields a variety of alloys and tempers, Elval is a trusted supplier for the manufacturers of Tipper Trucks, Road Tankers, Silo trailers, Reefers, Buses, Emergency Vehicles, as well as Fuel Tank manufacturers. Especially for the manufacturers of refrigerated trucks, Elval has developed sheets with ELVAL grain™ pattern formed on the top side and primer coating applied on the bottom side. This premium product covers the demand for high strength, one-piece floors, with superior antislippery properties and low noise emission that can be glued firmly on the plywood of the refrigerator trailer chassis.

Aluminium for Automotive

Driving to the future

Modern vehicles need to have continuously improved energy efficiency and comply with firmer environmental restrictions. Their light weighting is in the forefront of development in the automotive industry and the use of aluminium alloys is a sustainable solution, offering a competitive weight/performance ratio. Elval is performing extensive R&D for the development of aluminium solutions, for a broad range of internal parts and structural components of vehicles. With extended know-how on the metallurgy of metal forming and precision control on surface finishing, Elval is able to fulfil the technical requirements of the demanding automotive parts manufacturers. The long experience in the planning of aluminium production and in the handling of complex logistics chains makes Elval a flexible and reliable partner of the automotive industry.

Aluminium Technology for the Future

Solving material challenges by superior quality, innovative, tailor-made solutions.

At the forefront of technological developments, Elval's Technology Centre along with ELKEME Hellenic Research Centre for Metals S.A., promote on-going R&D for future growth, through innovative processes, custom-made products and strategic partnerships with scientific bodies and pioneering companies around the world.



Aluminium for Shipbuilding

Lighter and faster ships, built to endure

Shipbuilders have turned towards the use of aluminium, due to the constantly growing need for lowering the weight of ships. Lighter vessels can carry bigger payloads, achieve higher speeds, they are more fuel efficient and easier to control. Elval has the technical and production capabilities to supply the marine industry with aluminum sheets, shales and plates that have high strength, ductility, workability, corrosion resistance and weldability. They come in a wide range of dimensions and alloys, providing tailor made solutions for the construction of mega-yachts, high-speed catamarans, fast ferries, patrol and service vessels, pleasure and pontoon boats. Elval's flat rolled products for the marine industry are certified by all major classification societies (ABS, BV, DNV.GL, KR, LRS, NK, RINA).

Aluminium for Rail

Quality on the tracks

Light weight, stability, strength and corrosion resistance are the main advantages that drive rail manufacturers towards aluminium. Elval provides high quality sheets and plates that allow lower vehicle weights, better fuel efficiency and higher payloads for the construction of cargo and passenger trains.

Elval

Elval is the aluminium rolling division of ElvalHalcor S.A., one of the leading flat rolled aluminium processors worldwide, and the only one in Greece.

Through continuous investment in R&D and an established global commercial network, Elval offers reliable, innovative and competitive solutions that meet the most demanding requirements of global customers.

Elval processes, manufactures and markets flat rolled aluminium products and solutions for diverse and demanding applications.

Elval serves various markets including:

- Transportation (sea, road and rail)
- Packaging
- Building and construction
- Energy
- HVAC&R (heating, ventilation, air conditioning and refrigeration)
- Industrial applications

Elval's aluminium rolling production unit is certified as per ISO 9001:2015, IATF 16949:2016, ISO 14001:2015, ISO 45001:2018 and ISO 50001:2011.

50 years experience
serving a global customer base

sales
in more than
8 countries


Sustainable products
designed for life

State-of-the-art

facilities


Reliable & dynamic
aluminium
solutions provider



ALUMINIUM ROLLING DIVISION of:



Contact us

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