



Lattix[®]

strong, light and safe





Lattix® – saving lives since 1984

It is a proven fact that masts made by Lattix® save lives.

Lattix® designs and manufactures aluminum masts and structures that are passively safe, strong, and frangible. Lattix Production AB sells mast systems for road traffic, aviation, and multi-purpose applications all over the world under the brand name Lattix®.

Lattix Production AB is a pioneer in passively safe, lightweight, and frangible structures, with a strong emphasis on research and development. While the masts are safe for their surroundings, they also contribute to a positive climate footprint with low carbon emissions and a high degree of recyclability due to their aluminum construction.

Lattix Production AB is based in Dals Långed, Dalsland, Sweden, near the Norwegian border. In Norway, we have satellite offices for our sales, design, and engineering departments. Lattix® has pioneered the passive safety market thanks to a strong focus on research and development, as well as innovation and creativity. Lattix® has grown into a global brand, with patented and certified products that save lives every day!



A global player

Lattix® is the only global brand that is certified to cover both the traffic and aviation markets. Lattix® masts distinguish themselves from other traditional mast structures due to their distinct and recognizable design. The masts can also be used for antenna structures and sea markings, and because of their modular design, they are simple to implement in a

wide range of industries and applications. Lattix® is the market leader in the Nordic countries, the United Kingdom, and Australia, and has supplied frangible approach light masts and other antenna structures to over 450 airports worldwide.

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Products that add value and make a difference

Lattix® products can be adapted for a variety of purposes and applications that require various types of support or mast constructions. Our products are modularly structured, which means that they can all

be tailored to specific customer requirements or used in conjunction with one another. Our laboratory is cutting-edge, and all products are thoroughly tested before delivery.

Our products and services provide significant value, including:

- Modular and flexible
- Easy to adapt
- Calculation services
- Easy, cost-efficient, and time-saving installation
- No service or maintenance required after installation
- Design in accordance with our customers' requirements





OVER 15 YEARS OF EXPERIENCE IN THE METAL INDUSTRY

Vergine OÜ manufactures steel structures of various sizes for industrial companies, construction companies, and mechanical engineering companies. These steel structures meet ISO 3834-2 and EN1090-2 quality and have passed internal quality control.



Environmental benefits

Lattix® masts are made of aluminum, a sustainable material that can be recycled indefinitely with little energy consumption. In fact, more than 80% of all aluminum used globally is recycled.

Handling and installing the masts takes less time, and less equipment is needed around the workplace, providing additional safety for workers.

Sustainable throughout the value chain

Because aluminum is lighter than steel, it saves fuel during transportation of the masts from the factory to the roadside locations where they are mounted. This, combined with the low maintenance and ease of installation, further reduces the CO₂ emission footprint, making them a low-cost sustainable solution.

Our masts can also be cut on-site, giving the end user maximum flexibility.

No need for replacements

Aluminum masts made by Lattix® do not corrode. They have even been approved for installation along the harsh Norwegian coastline, which suffers from severe weather and a constantly salty environment. This increases the working life of the masts over steel constructions and reduces the need for maintenance.

Positive life cycle assessment

In comparison to products made from less sustainable materials, aluminum's unique properties provide the overall prerequisites for a positive life cycle assessment – economically, technically, and environmentally.

- Low carbon footprint and zero-emission energy (hydro power) result in one of the lowest CO₂ emissions in the world

- High degree of recyclability, with more than 80% of aluminum material reused

It is therefore obvious for us to support the UN's Sustainable Development Goals in these areas.

EPD and sustainability

Lattix® has focus on EPD certification and our carbon footprint. Our focus is always to reduce our CO₂ emissions. Our suppliers and partners are also advised likewise. In addition to the EPD work, our focus is to be up-to-date on relevant regulatory requirements and norms as well as using recycling programs.

Certification:

- ISO 9001:2022 certified
- EN12767:2019; Passive safety of support structures for road equipment. Requirements, classification and test methods
- EN12899-1:2007; Fixed, vertical road traffic signs. Fixed signs.

Compliance:

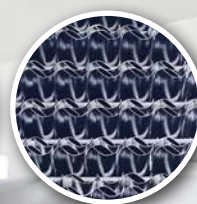
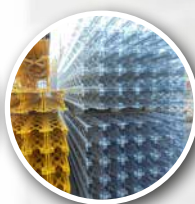
- ICAO Aerodrome; Aerodrome design manual, Part 6, Frangibility, Doc 9157
- ICAO; Annex 14; Volume 1
- EASA CS-ADR-DSN; Certification Specifications and Guidance Material for Aerodromes Design
- FAA; AC 150/5220-23 "Frangibility Connections"





Aluminium

– Framtidens material



BRED KUNDPLATTFORM

ProfilGruppen är helhetsleverantör av kundanpassade komponenter och profiler i aluminium. Genom aluminiumets unika mekaniska, ledande och formbara egenskaper jobbar vi ständigt med att hjälpa våra kunder i Norden och Europa att flytta fram sina marknadspositioner. Vill du vara en av dem? Med våra spetskompetenser inom produktutveckling, produktion, förädling och hållbarhet kan du få hjälp med allt ifrån idé till färdig produkt. Vill du veta mer? Sök upp oss via hemsidan eller telefon.

www.profilgruppen.se



Aviation products

Perhaps the world's safest frangible airfield mast system. Always absorbing energy, light and strong enough to withstand the harshest weather and loads. Our list of references is impressive, and we are honored to be trusted by clients all over the world.

Read on to learn more about our main product groups:

Frangible approach light mast systems

The Lattix® approach light station systems are adapted to accommodate any instrumentation and lighting. The system is designed for safety and easy maintenance access to instrumentation. Systems available up to 16 m.

Frangible FT towers

The Lattix® frangible tower systems are designed to accommodate any required instrumentation and antenna equipment. The system was designed for safety, ease of installation, access, and maintenance. The frangible towers feature a modular structure with adjustable heights and a variety of accessory kits.

AWOS / Meteorological and wind cone mast systems

Lattix® meteorological and weather station systems are adapted to accommodate any instrumentation or meteorological equipment. The system is designed for safety and easy maintenance access to instrumentation.

AWOS/MET mast systems are frequently combined with perimeter surveillance and other camera solutions.

Localizer (ILS) mast systems

The Lattix® LLZ systems are adapted to fit any LLZ antenna as well as the stringent ICAO requirements. The system is built for safety, with easy access to antennas and instrumentation for maintenance.

A large number of DME and other antenna mast installations support this.

Innovation and design

Lattix® strives to optimize and adapt through trusted partners and discerning customers. We see a constant need for new products and technologies being developed and implemented as our global markets develop.



Samferdsel
– langs hver en vei

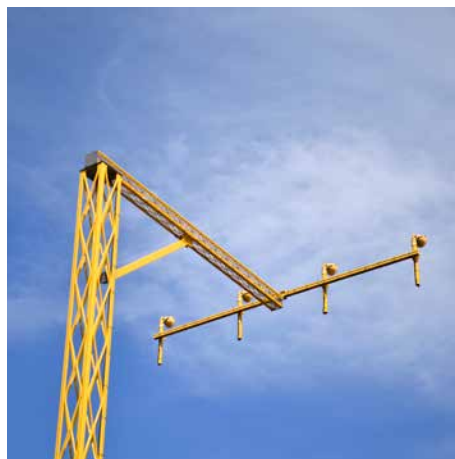
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Varumärket Nordic Component™ grundades 2020 och är inom Unitrade Nordic AB i huvudsak försäljnings- och systerorganisation till Jiaying Aerotec Precision Co Ltd. Grundaren Mathias Wehtje har varit i sourcing sedan 1990 och med dom erfarenheterna får våra kunder ett försprång. Förmåga i kombination med fokus på hörnstenarna ansvar, hållbarhet och öppenhet ger resultat.

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NORDIC
COMPONENT

Traffic products

The Lattix® traffic product system is intended for use in any roadside situation, with or without electrical equipment mounted. The product philosophy and goal is to cover the majority of demands for safe support structures alongside and over the road, while standardizing as much as possible in a few modular types to reduce costs and ease logistical challenges. Most importantly, the products help save lives.

The products can be combined with other external technologies or solutions, making them highly adaptable to a wide range of applications and market segments. Lattix® products, unlike traditional steel lattice structures on slip bases, are certified safe from every angle. Our traffic mast products meet European Passive Safety Standard EN12767 and have CE approval according to EN12899.

Our products are frequently used for mounting speed limit signs, traffic signals, lights, cameras, and other sensors, as well as advanced Intelligent Traffic Management solutions.

Solutions include masts for:

- Signposts
- Traffic signals
- VMS
- Off-grid IoT solutions
- NPR parking and toll solutions
- Surveillance, camera, scanner, and radar solutions
- Gantries and cantilevers
- Landslide/avalanche and triggering systems



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Komplexa detaljer är vår vardag. Mekab är en flexibel aktör som tillverkar figursydda detaljer av hög kvalitet. Våra medarbetare har lång erfarenhet och arbetar utifrån de bästa förutsättningarna med en modern maskinpark.

Oavsett om du önskar vattenskärning, svarvning, fräsning, plåtbehandling eller svetsning, så kan vi garantera ett resultat du är nöjd över. Välkommen till oss!



HÖG KVALITET • KORTA LEDTIDER • FLEXIBILITET • LÅNG ERFARENHET

Läs mer om oss på www.mekab.se

Lattix®

strong, light and safe



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