



# WENDA

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COMPOSITES



**EVERYTHING CAN BE  
MADE OF COMPOSITE**

# WENDA

## COMPOSITES

### WENDA OY

Wenda specialises in composite technology. We design, engineer and manufacture customer-oriented lightweight structures for several different industries. If necessary, our service covers the entire product lifecycle, from installation to maintenance.

Wenda is a reinforced-plastic repair facility approved by insurance companies.

Wenda is a member of the Finnish Marine Industries Federation (Finnboat ry).



### COMPOSITES USHERING IN A NEW AGE

When the goal is to create a structure, which must be durable and strong as well as light, the solution lies in composites.

A composite is a structure, in which several different materials are combined to form a single, functional structure. The materials can be foams, metal, wood, carbon fibre, aramid and fibreglass, and resins. In addition to light weight, the advantage of a composite structure is its superior formability over more conventional structural materials. It can be shaped and contoured to perform seemingly impossible tasks. Thanks to this formability, composites have countless applications – the only limit is your imagination.

### REFERENCES



*Composite structures for the yacht of the President of Finland, Kultaranta VIII*



*Deck structure and carbon fibre steering pedestals on the 130' Wally sailboat*



*Composite structures on the Pendolino train*



*Life jacket containers for ships*



*Fire engine cab*



*44,000 l wastewater tank*



*Surface treatments and composite parts for Outokumpu steel mill*



*Composite structures for motor coaches*



## SHIPBUILDING

Composite solutions for deck structures and other large structures, life jacket containers, deck seating, various chests and cowlings as well as interior structures.

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## RAIL

We manufacture, for example, nose and roof structures as well as sanitary facilities and interior structures. We provide spare parts and perform maintenance and repair work.

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## AUTOMOTIVE

We manufacture, for example, motor coach body and interior structures, lorry fairings and bumpers and other body structures for the automotive industry.

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## PROCESS INDUSTRY AND MECHANICAL ENGINEERING

Composites are a natural solution for industrial piping, various types of tanks and containers. We also produce chemical-resistant, fibre-reinforced plastic coatings.

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## DEFENCE

We supply navy and army with ballistic products and lightweight composite structures. We also make repairs and modifications and perform maintenance.

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## BOATBUILDING

We manufacture, for example, fibre-reinforced plastic one-off structures and carbon fibre products as well as make insurance and other repairs.

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## COMPOSITE PANELS

We manufacture various types of composite panels (solid or sandwich construction) using a vacuum-bagging technique. We offer a limitless range of colour, texture and material alternatives.



## ICESTOP ICE PREVENTION ELEMENTS

The IceStop heating element is a unique and safe ice prevention solution for ships, industrial facilities, companies and private use.



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