



Railway heating solutions

About us



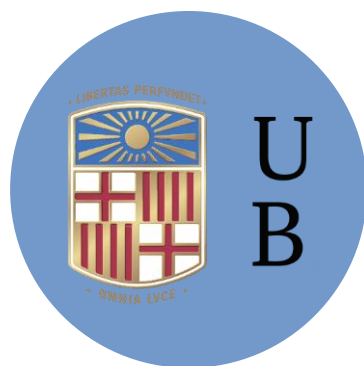
Founded



20 people



38 km south
of Barcelona



Project with
Barcelona University
for circuit optimization



R&D project from
Spanish Government



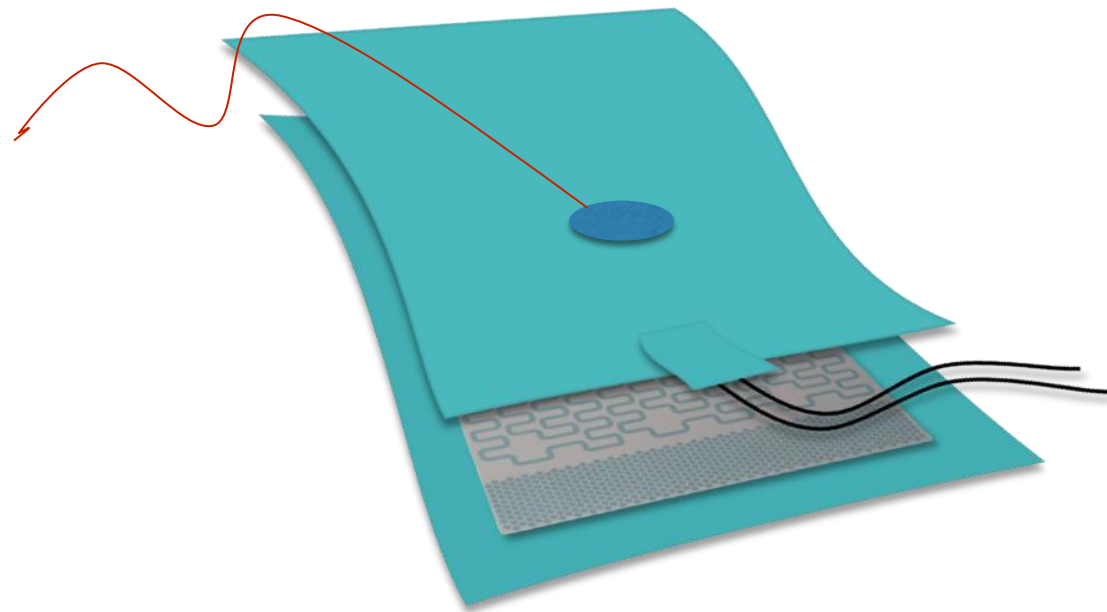
98% of our
products are produced
at our facilities

Heating Mat: main features

Standard Thickness = 1mm
(range between 0.4mm – 3mm)

Temperature Sensors
(PT100, Thermocouples, ...)

Power Cables
DC & AC



Temperature range: -60°C – 250°C

Power Density: 0 – 4W/cm²

Fixation

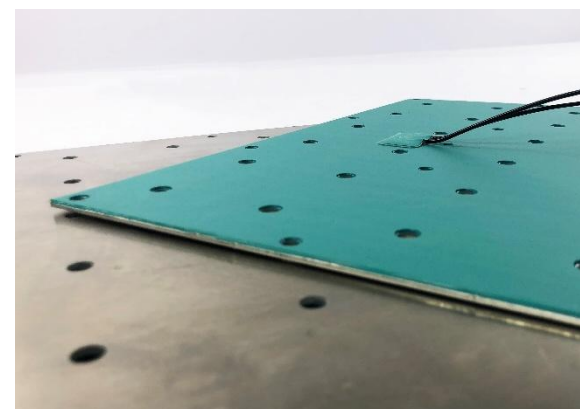
Rivets / buttons



Adhesive



Vulcanization



Screws





Railway heating solutions

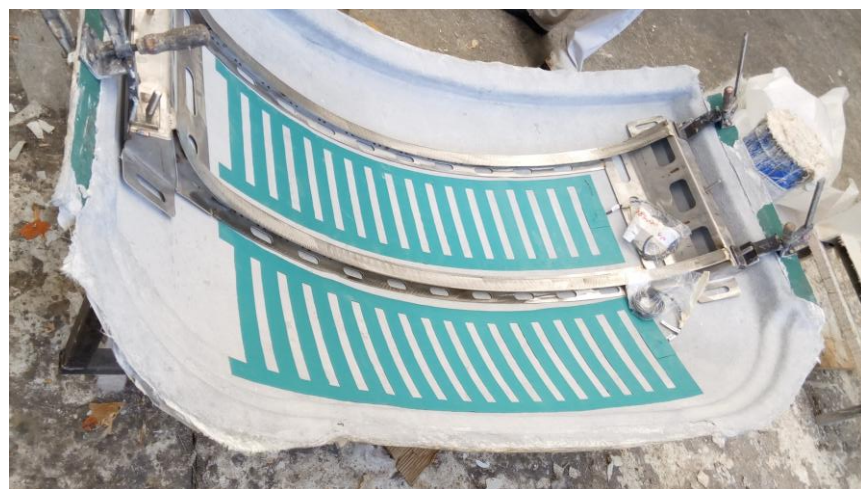


Lightweight solutions

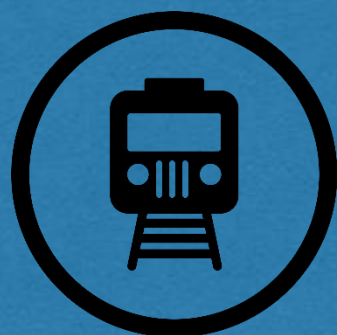


High flexibility

Embedded heating system inside the cockpit cover
to prevent mechanical blocking due to ice



The “ladder” shape integrates perfectly
within the cockpit layers



EN45545 HL3 for R2 and R7
approved products
EN 50264 and 50306 connection leads.



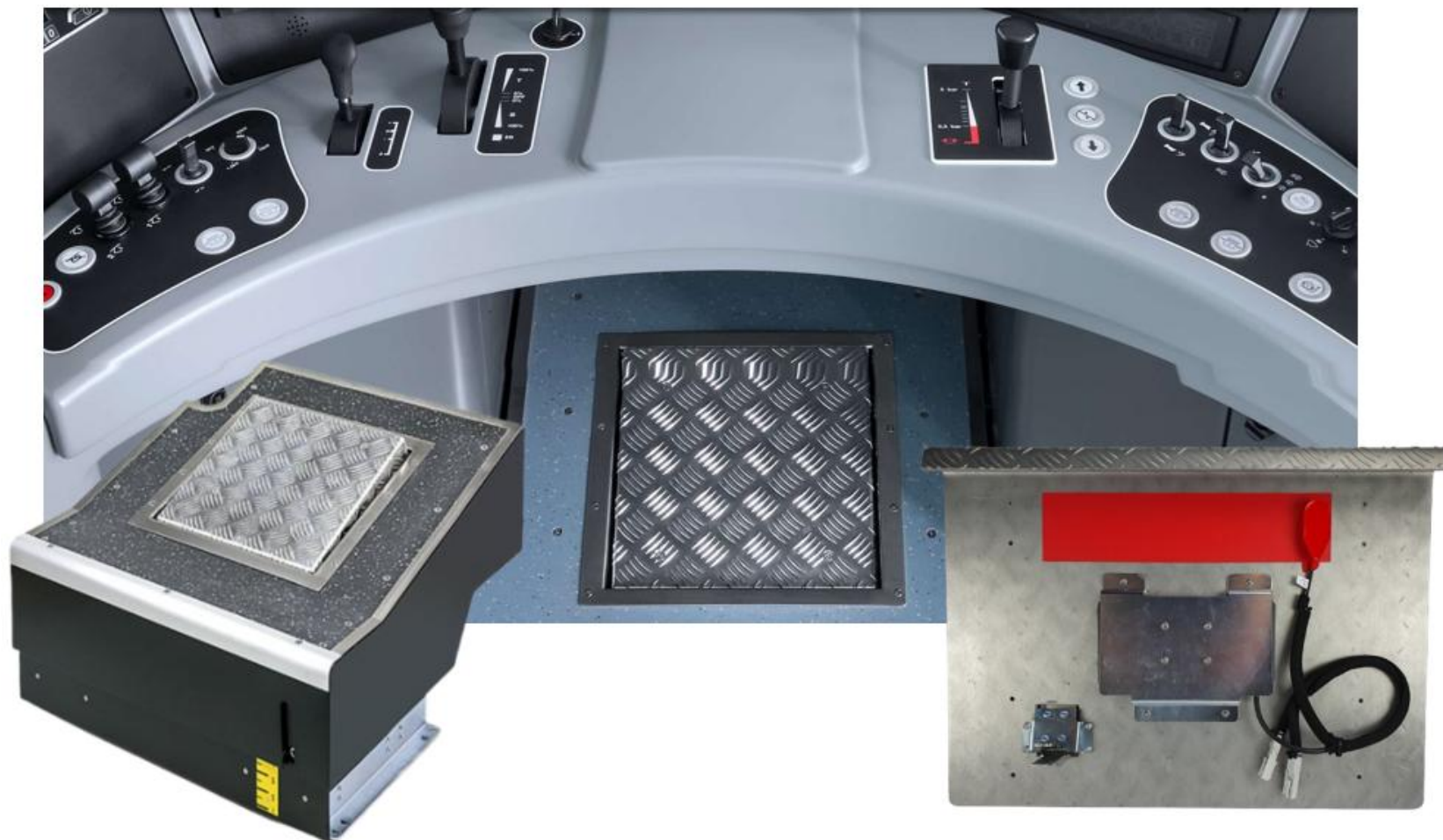


Railway heating solutions

Driver cabin heating

The driver cabin can be challenging to heat even with HVAC systems due to constant air currents and the layout of seats and control panels.

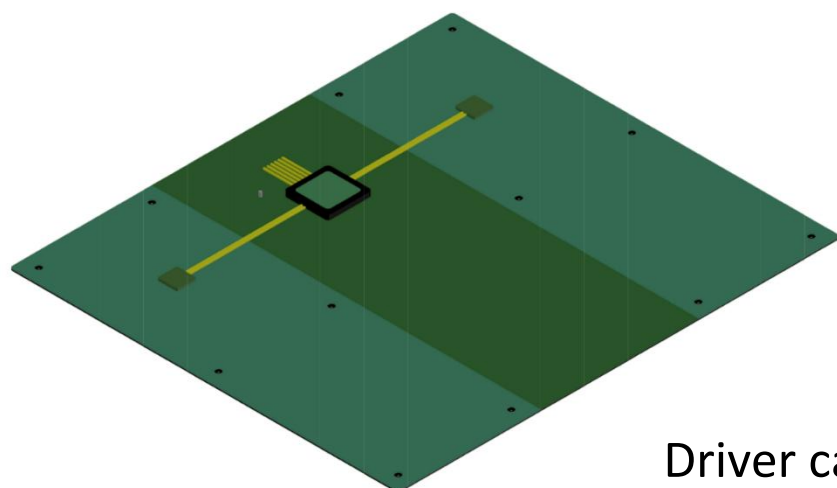
This is why targeted heating of areas such as the foot rest, lateral seat enclosures or the floor can help provide comfort for the driving crew.



Foot rest heating

“Dead man” pedal heating

- Embedded safety thermostats
- Embedded sensors on mat Surface



Driver cabin floor heating

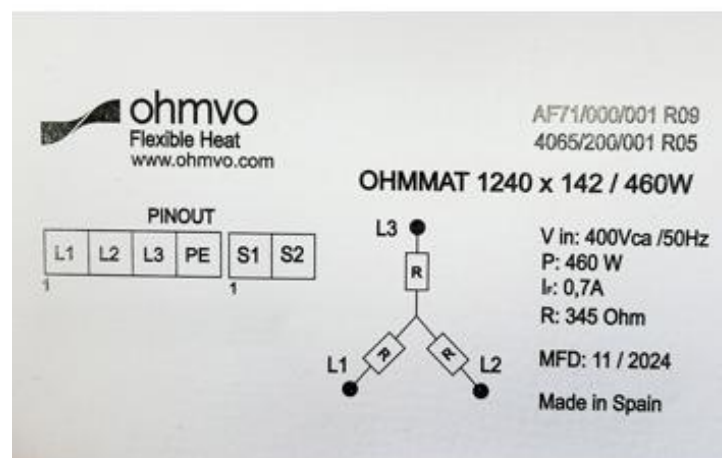


Railway heating solutions

Passanger wagon heating

Auxiliary heating in passanger coaches interiors

Our **wall-heaters** efficiently maintain temperature in passenger wagons and complement HVAC systems. Rail operators use HVAC for rapid initial heating, then switch to wall-heaters during operation to reduce energy consumption.





Railway heating solutions

WC heating

Watertanks, valves, pipes,
toilet heaters...



Automated doorsteps



Emergency breaking systems



Anti-freezing for
emergency sand
breaking deposits

Why OHMVO ?



Continuous
improvements



We **listen**
to design
the best
solution

24/48h

Get a
quotation
in **24/48**
hours

Contact us



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