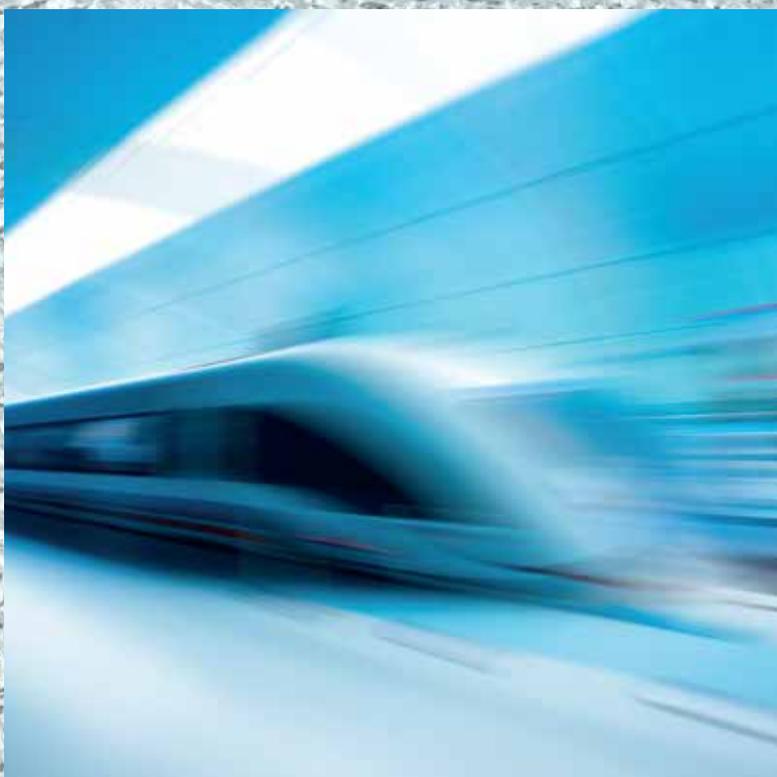




EUROGUARCO



R A I L





## THE COMPANY

Since its foundation by Luciano Ghirlanda in 1958, the company has steadily expanded by growth and acquisitions, focusing on the manufacturing and trading of various lines of products: Industrial gaskets, insulation, interiors, valves and piping products.

Customers around the globe, in a variety of industries - such as Oil & Gas, Chemical Processing, Power Generation, Transportation... - rely on our high-quality products, backed by special attention for customer service and technical support.

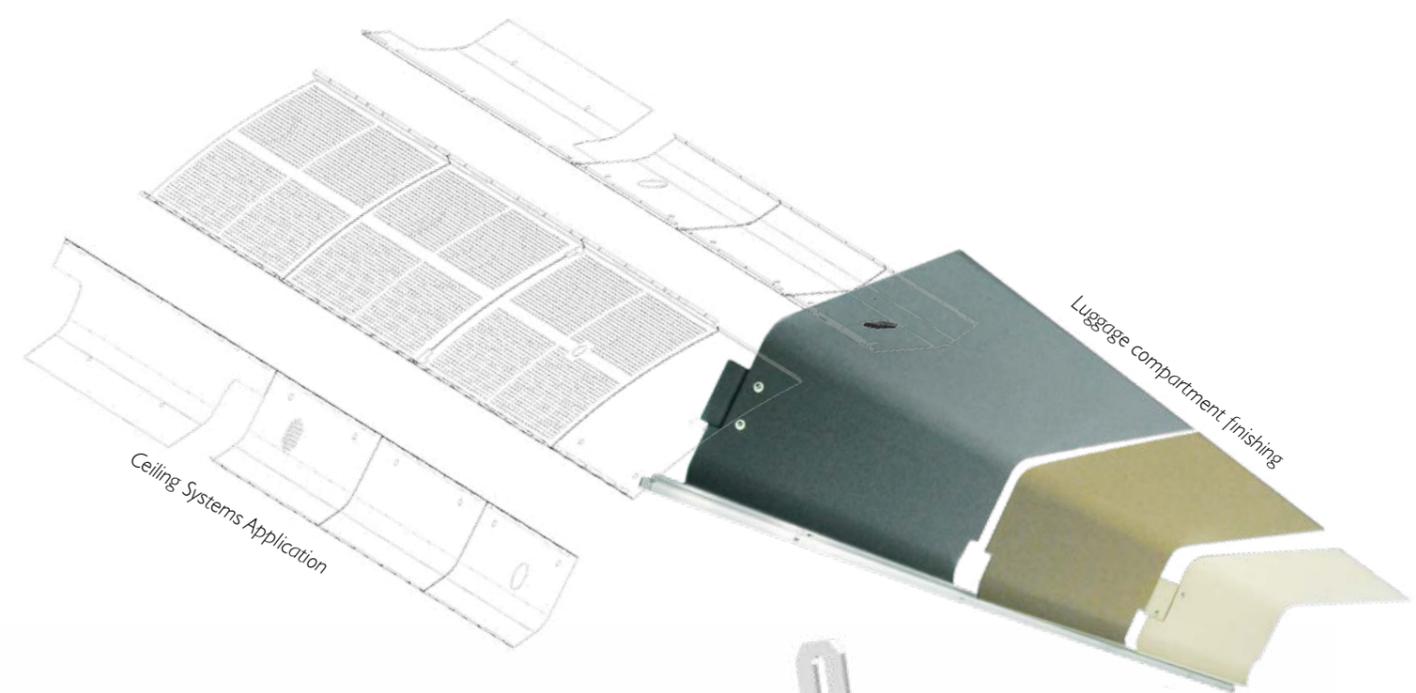
## RAIL DIVISION

Eurogarco Rail Division offers lightweight solutions for High-Speed and Regional Trains, Urban Railway and Subways in the following fields:

- INTERIORS
- AIR DUCTS
- INSULATION

Thanks to our experience in the use of advanced materials and to a dedicated and flexible organization focused to the needs of our customers, we can provide an effective support from the concept phase to design and development, construction and validation, up to the final assembly.

The division's Quality System is certified according to ISO 9001 and IRIS standard.



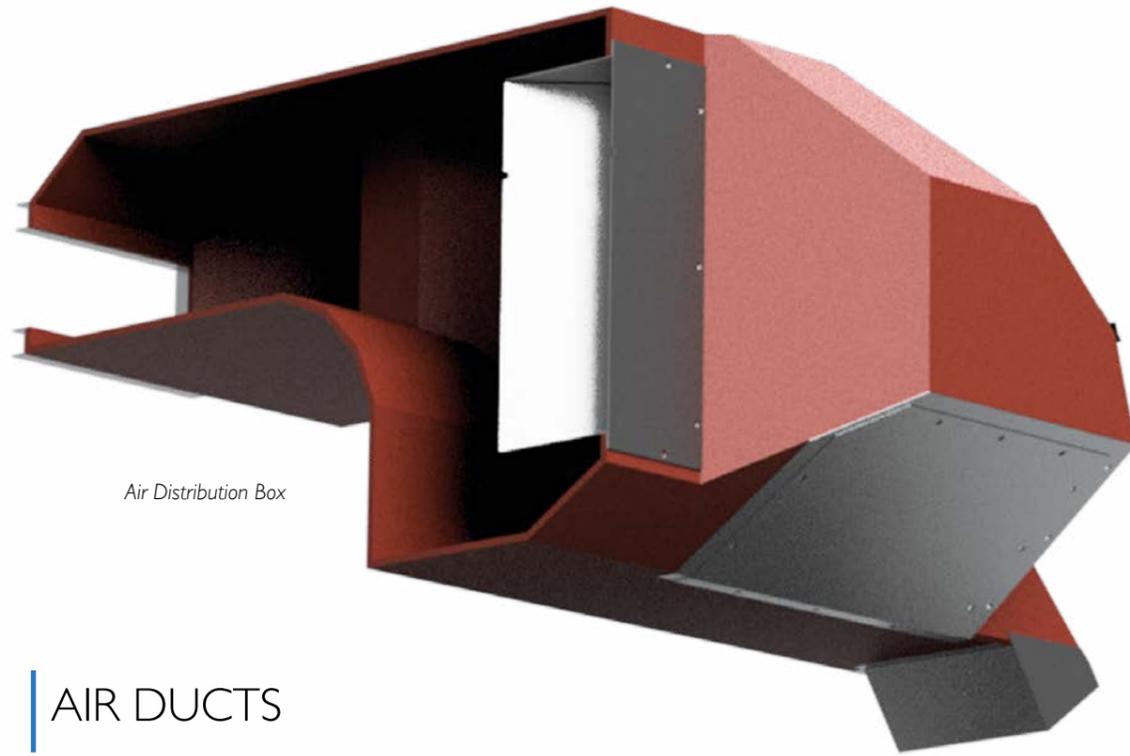
## INTERIORS

Using advanced materials and smart engineering, we offer a whole range of solutions, from luggage compartments, ceiling systems and haunches, to wall claddings and various types of furniture elements, to fulfill any requirement of aesthetics, comfort and performance.

Our state of the art production capabilities include:

- Molding of composite parts
- 5-axis CNC cutting technology
- Die-cutting and blade-cutting technology
- Board lamination technology
- Bonding technology
- High-quality surface coatings





Air Distribution Box

## AIR DUCTS

We design and manufacture custom-tailored, ready-to-install light-weight Air Duct Systems and Air-Distribution Boxes.

Sophisticated molding technology and advanced manufacturing and assembling techniques enable us to carry out even the most demanding geometrical constructions.

Airflow efficiency is optimized by means of integrating air baffles, horns and connectors, and all necessary components needed for a seamless integration at system level.



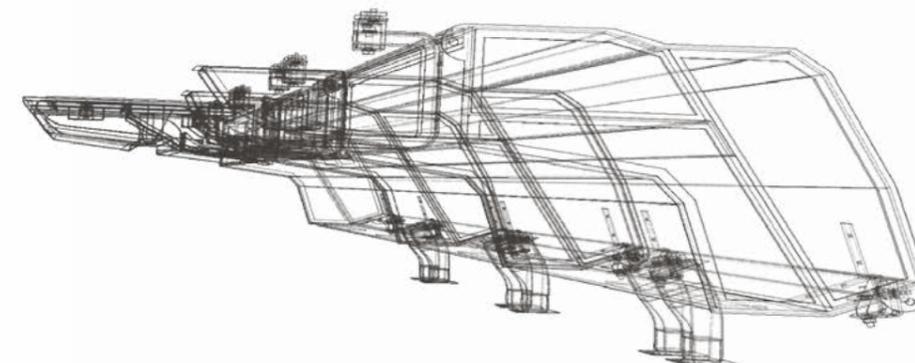
X-ray view of air distribution box with internal septa



Complete HVAC solution based on customer needs



From concept to finished part



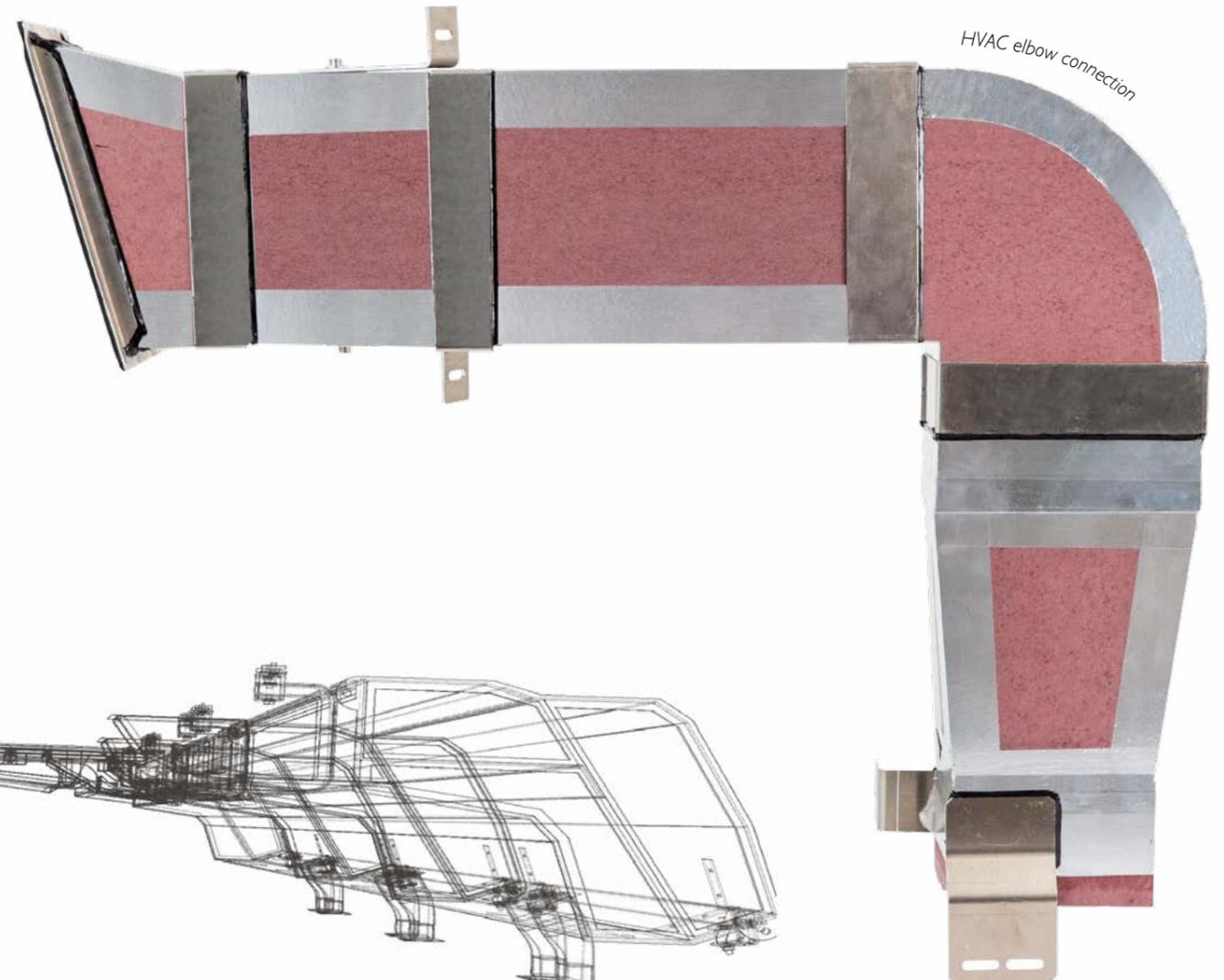
Due to the very low thermal conductivity of foam composite materials, further insulation can be reduced or even totally avoided.

Consequently, solutions implemented with our technology ensure a wider available inner cross section for the same external dimension, resulting in further savings of cost and space.

Furthermore, the reduced air speed and the material's intrinsic low acoustic impedance minimize spurious noise and vibration levels, with unparalleled results in terms of overall passengers' comfort.



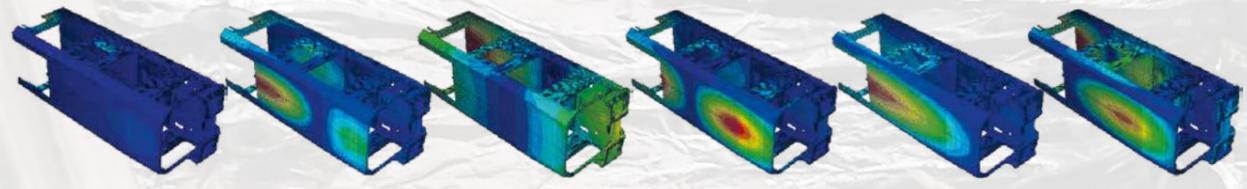
Moulded HVAC Duct



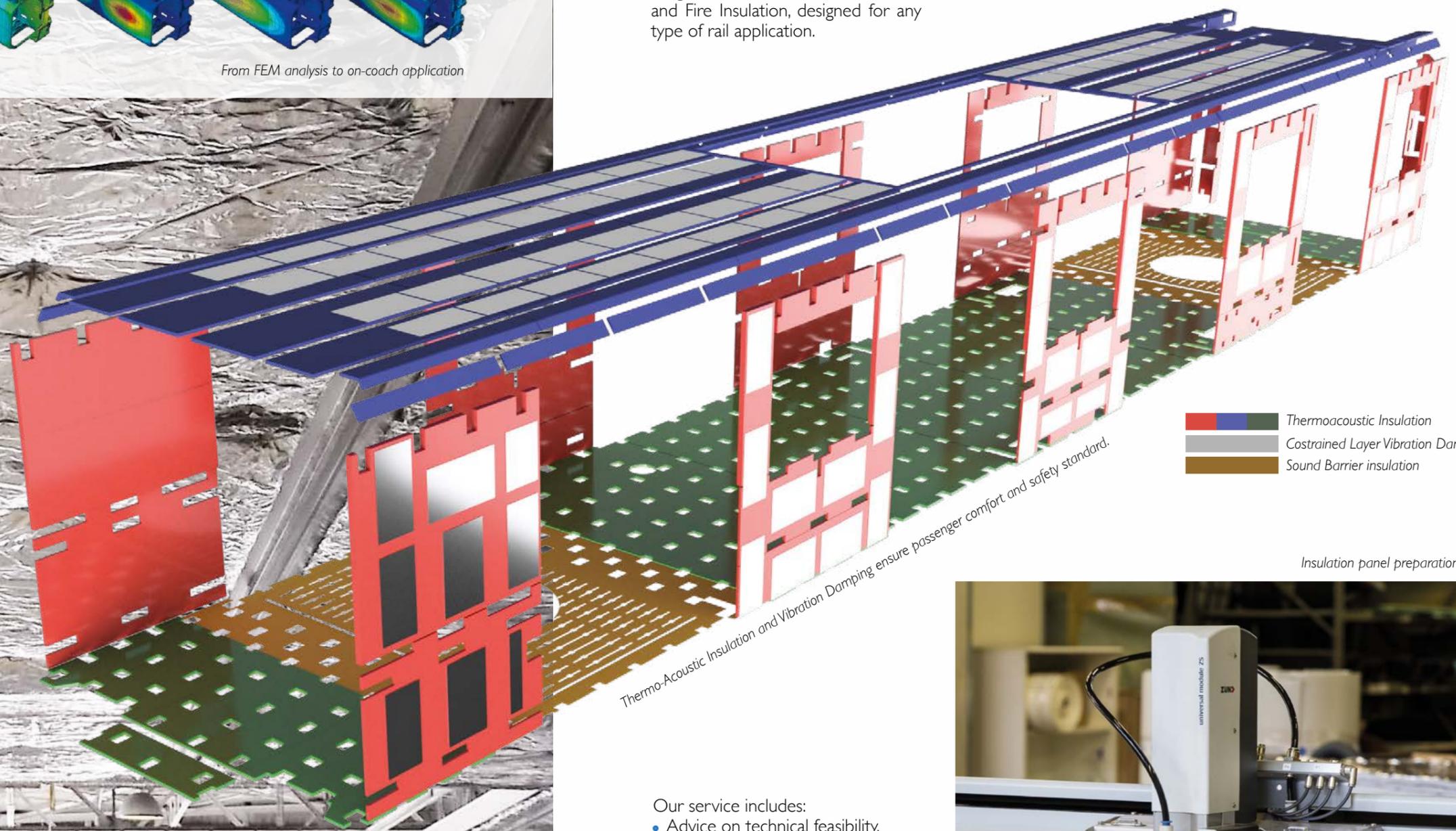
HVAC elbow connection

# INSULATION

The right insulation provides passengers' comfort, limits energy use and reduces environmental impact. We offer complete systems of light-weight Thermal, Acoustic, Vibration and Fire Insulation, designed for any type of rail application.



From FEM analysis to on-coach application

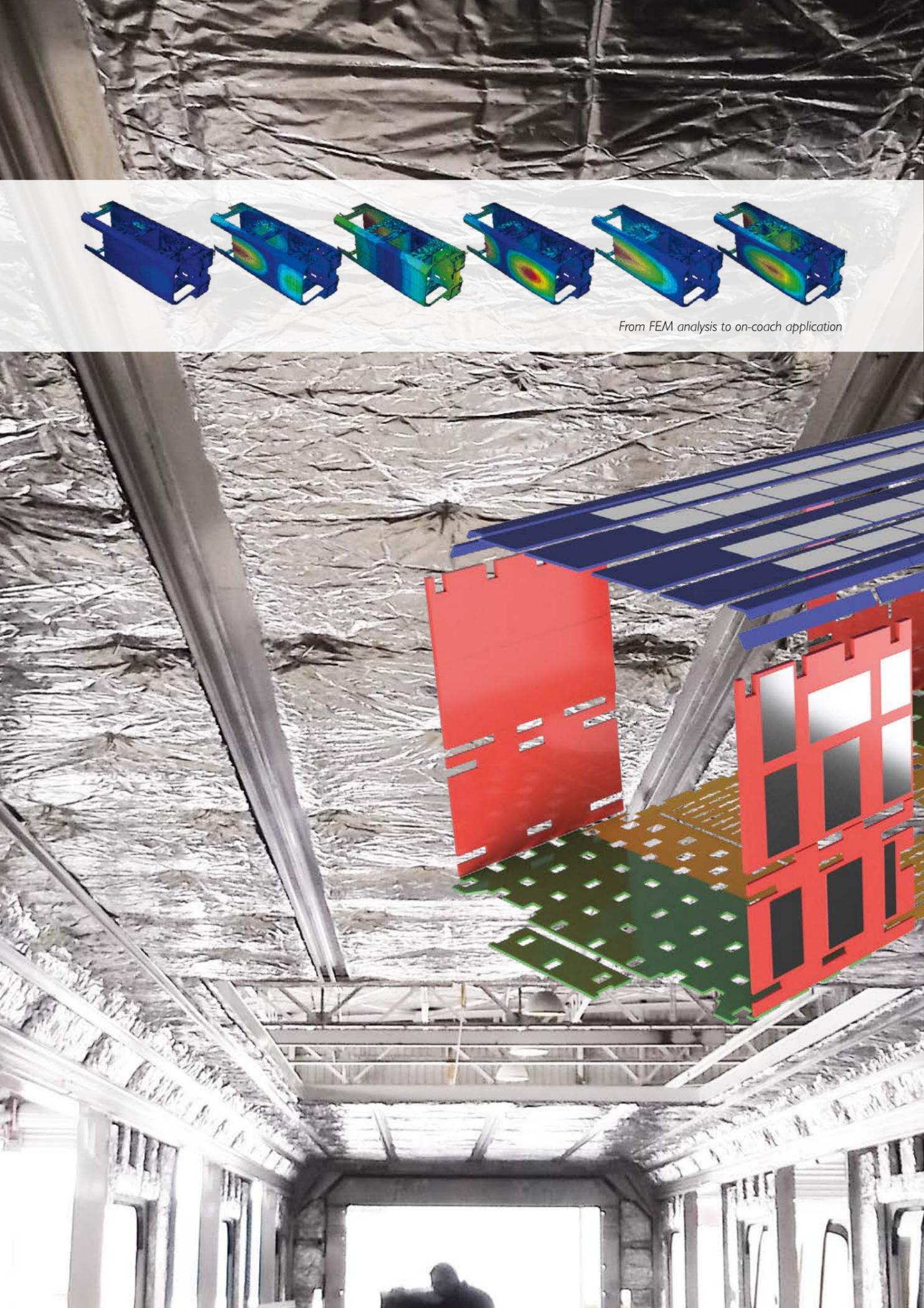


- Thermoacoustic Insulation
- Constrained Layer Vibration Damper
- Sound Barrier insulation

Thermo-Acoustic Insulation and Vibration Damping ensure passenger comfort and safety standard.

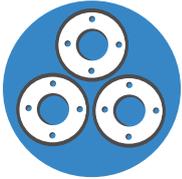
Insulation panel preparation

- Our service includes:
- Advice on technical feasibility, budget and durability aspects of the insulation system
  - Calculation of the most suitable insulation thicknesses and lay-out
  - Insulation systems tailored to customer's needs and design
  - Competent installation



## EUROGUARCO DIVISIONS

As a solid Industry with a true multi-sector and international presence, at Euroguarco we apply in the Rail Sector the same care and competence deployed in our other fields of activity, enabling us to afford with great confidence even the most challenging projects.



### GASKETS

All types of sealing materials and gaskets for industrial flanges, pressure vessels, valves, pumps, furnace doors, etc.



### INSULATION & INTERIORS

Different insulation systems for the most diverse applications. From transportation to industrial insulation, Euroguarco offer complete insulation solution based on the customer project.



### VALVES

The valve division produces a complete range of valves in accordance with the main international standards for design, production and testing



### PIPING

Euroguarco offer the following "one-stop shopping" service over a complete range of flanges, fittings, pipe and pipeline accessories such as bends and anchor flanges.



### ENGINEERING

In cooperation with partners, Euroguarco has performed several turn-key and sub-contract works for the engineering, supply and construction of industrial and civil projects.





## EUROGUARCO

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