



Wherever it matters, our expertise transports you





ANSALDO
ATLAS MOBILITY

With a history of more than 170 years in the railway sector, ANSALDO ATLAS MOBILITY combines the expertise of AVIARAIL, a specialist in embedded systems, and ANSALDO TRASPORTI, representing high technology and historical Italian railway know-how. Backed by successful technology transfer and exceptional human resources, we have inherited more than a century of know-how in railway design and manufacturing.

Our ambition is to become the leader in rolling stock in Africa and Made in Morocco. We support our partners particularly in the design, manufacture and maintenance of bogies and coaches. Our engineering team and our design center allow us to offer solutions with very high added value.

Our passion and commitment to sustainability and innovation allow us to meet the needs of our customers, with value-added transportation solutions. A response to the challenges of tomorrow by guaranteeing quality and certifications.

ECOSYSTEME FERROVIAIRE MADE IN MOROCCO

Partenaires institutionnels



Fondateurs du consortium



Membres du consortium



Tôlerie

- Soudure
- Peinture
- Traitement de surface



Qualification
- CE et NM



Fabrication
- Siège



Fabrication
- Structure
- Peinture



Fabrication
- Carte électronique
- Retrofit



Fabrication
- Package
- Traitement de surface



Fabrication/ingénierie
- Automatismes
- CVS



Fabrication
- Retrofit
- Assemblage



Essais
- Matières



Designer
- Design packaging



Travaux sur train
- Peinture
- Retouche



Fabrication
- Verre

FABRICATION



Fourniture
- Composants



Fabrication
- Usinage



Ingénierie
- Reverse Engineering



Intégrateur
- Installation et mise en service

Partenaires donneurs d'ordre



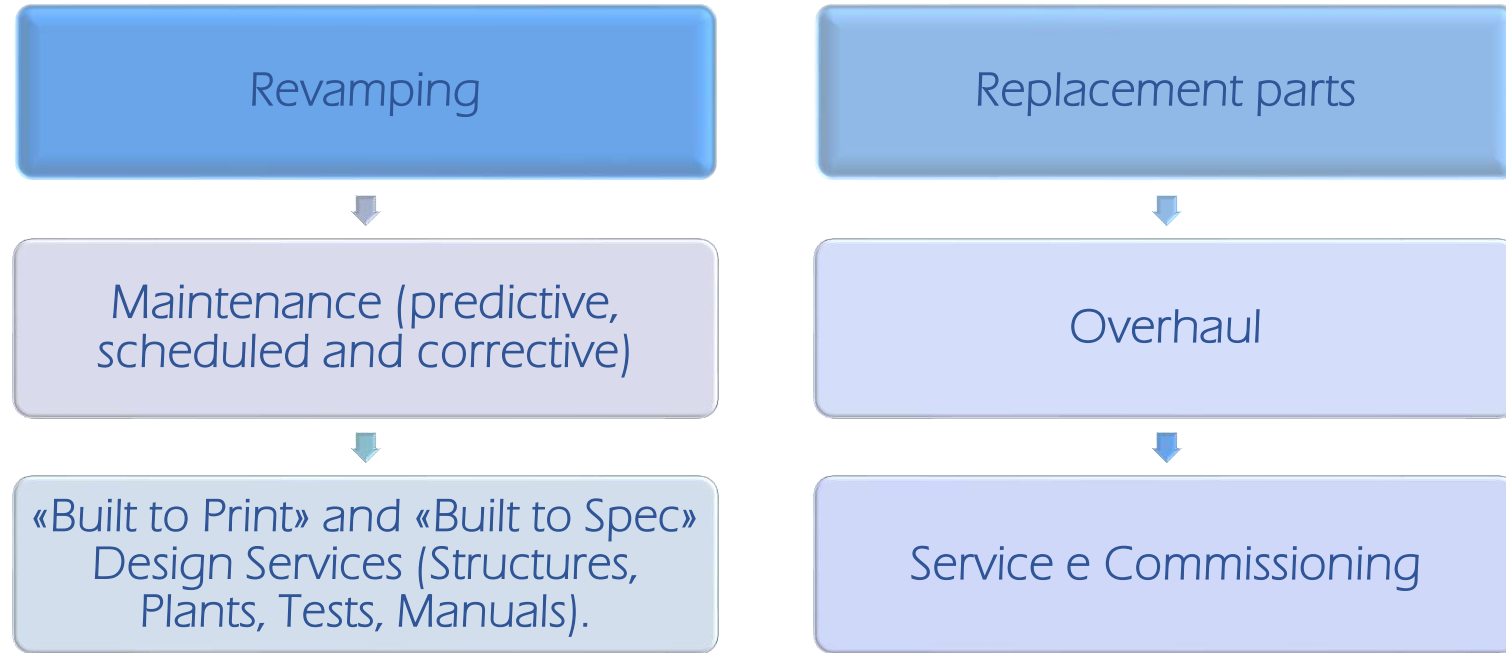
870 PEOPLE



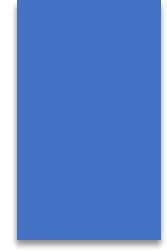
Ansaldo Trasporti was founded with the aim of representing a "global service company" in the railway sector.

Ansaldo Trasporti is a global player, an integrated company capable of offering vehicles for rail transport, a capacity that allows it to intervene in the design, construction, installation, integration, management and maintenance of "turnkey" railway and underground transport systems throughout the national and international territory.

- About us:



We are able to develop and offer the market technological solutions that can also be supplied in the form of services, such as: installation, integration, management and maintenance of all railway and underground transport systems. This allows us to direct the offer to the changing needs of the market, guaranteeing dynamism and competence.



Business Segment	Application	Products	Clients
Main Line	Suburban/Regional	Electrical / Diesel Multiple Units Locos & Coaches	National and regional public operators
	Intercity	Locos & Coaches (Electrical/Diesel Multiple Units)	National transport Authorities
	High Speed	High Speed vehicles (220-300 km/h) Very High Speed vehicles (> 300 km/h)	Public and private operators, leasing companies
Urban	Tranviaria and Trolleybus	Streetcars (totally low floor) Multimodal Trolleybus	Local Authorities
	Mass Transit	LRVs high floor Heavy Rail Vehicles	

- Ansaldo Trasporti Succursale Maroc



With a new factory in Casablanca, Ansaldo Trasporti has consolidated its global network with cooperation partners, strengthening its local presence and intercultural understanding, essential elements to execute transactions in an efficient and accurate goal-oriented.

- Ansaldo Trasporti Succursale Maroc



Clients:



ONCF

CAF

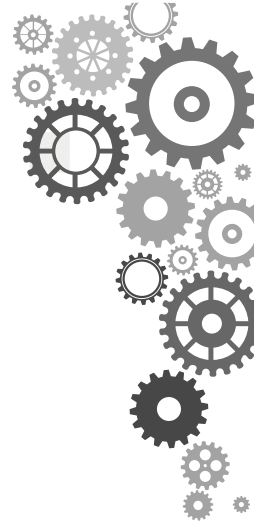
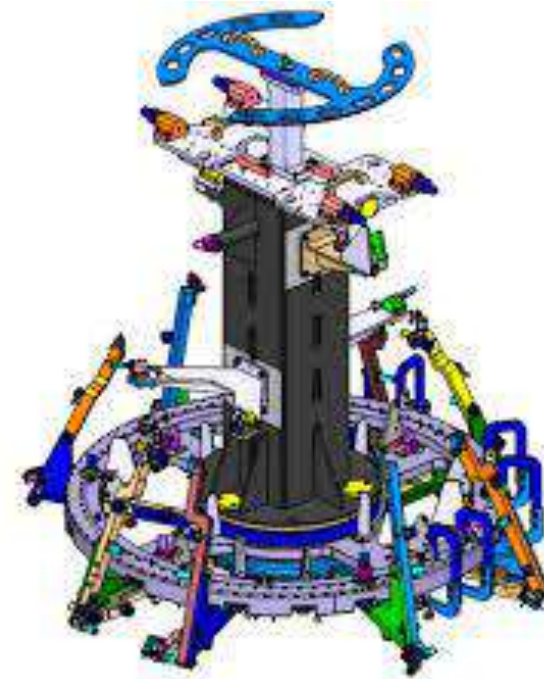
SUN GROUP

ATM

anm



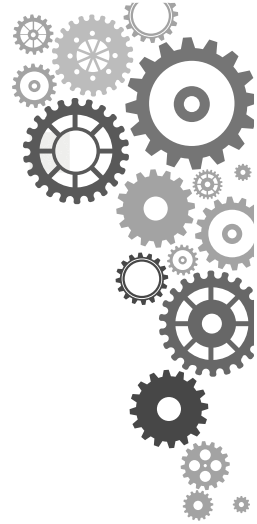
Presentation:



- Moroccan company expert in the design and production of tools, test benches and machines, special equipment, MGSE (Mechanical Ground Support Equipment)
- Design, manufacture and distribution of clean electronic products (BETRONICS);
- Exclusive and strategic partnerships with world leaders (Leroy Automation, RS, DBT, Sterela);
- Supply, integration and design of electronic, electrical, mechanical and electromechanical assemblies and sub-assemblies for high value-added equipment;
- Development and distribution in Morocco and Africa of a wide range of industrial products.

Activities:

- Transformation of equipment;
- System design and construction of electronics and mechanics;
- Test bench;
- Tools;
- Integration of industrial solutions;
- Supplies of industrial equipment;
- Energy management and transformation;
- System maintenance and repair;
- Automation, digitalization and supervision of industrial equipment.

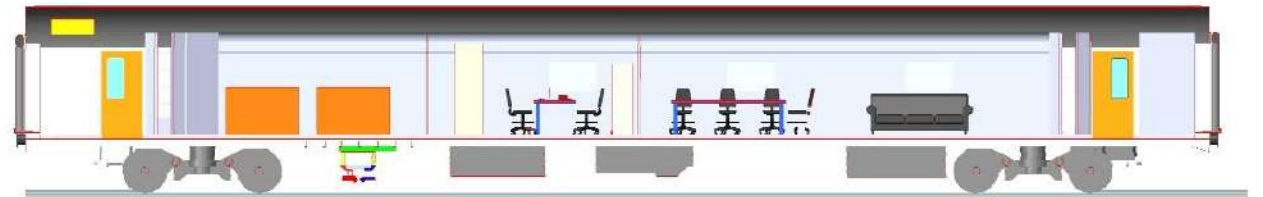
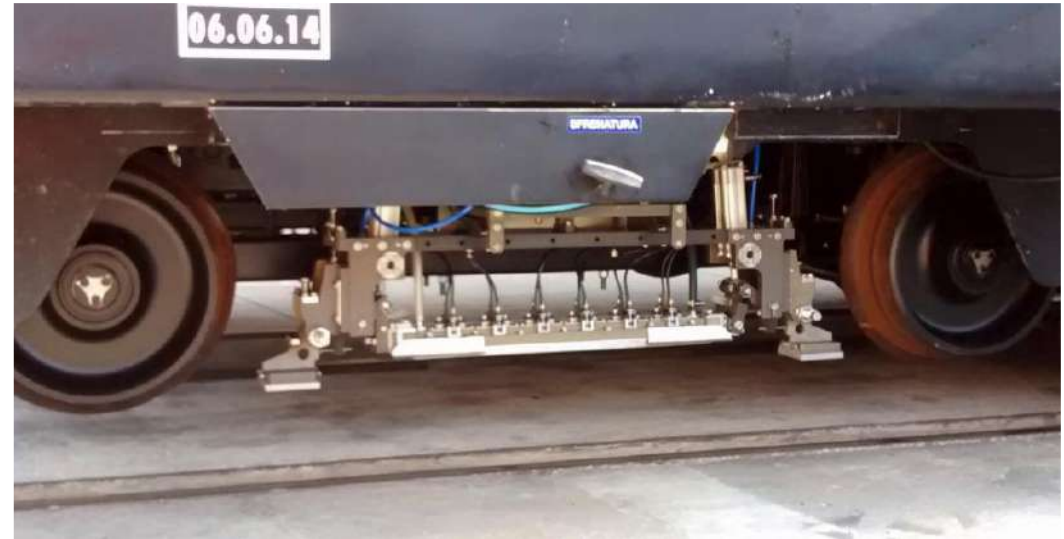


Our achievements

Analyse ultrasonique des rails

The ultrasonic inspection system is a state-of-the-art tool based on latest generation technological devices, is able to monitor full rail defects according to relevant international standards.

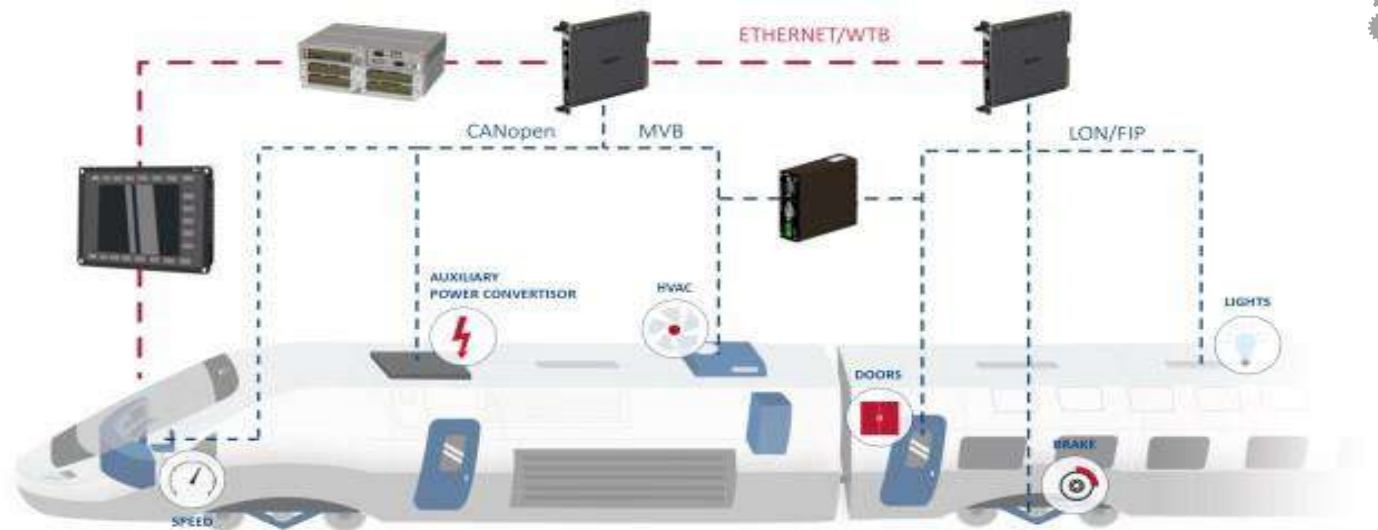
CARACTÉRISTIQUE	SPÉCIFICATION
Vitesse	80Km/h.
Température opérationnelle	-10°C à +50°C.
Conditions météo	Toutes conditions météo sauf neige couvrant le rail. Toutes conditions de luminosité.
Standards	UIC 712:2002 défauts du rail et UIC 725:2007 traitement des défauts du rail.
Communications	Collecte des données en local et à distance.



Our achievements

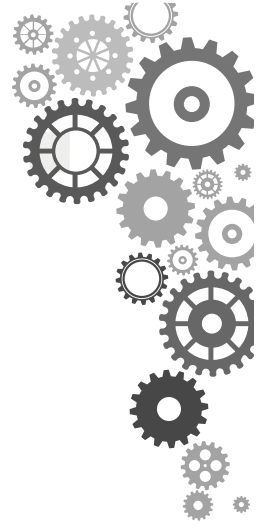
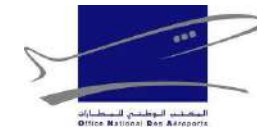
TCMS (Train Control Monitoring Systems)

The TCMS range includes RIMO products (computers), BRIO products (SIL0 or SIL2 input/output modules), SLG products (Serial Line Gateways). They are designed to integrate into EN50155 TCMS on-board railway architectures and integrate into SIL2 architectures. They carry out local automation, interface and control specific equipment connected by serial link or CAN: air conditioning, doors, brakes, auxiliaries, fire safety.



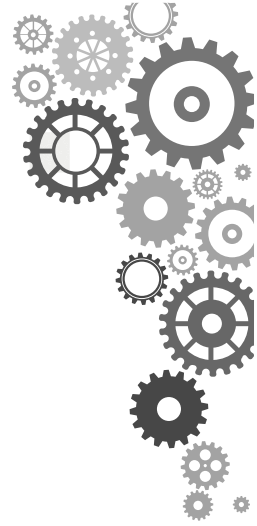
Our clients

- PME et Grande Entreprise privées;
- Administrations;
- Ambassades;
- Offices nationaux;
- Banque.



Our partners

- Supply of on-board aeronautical and railway electronic equipment;
- Supply of vehicle charging stations;
- Manufacturer of tools and capital goods;
- Manufacturer of automation products for harsh environments;
- Distribution of industrial products;
- Rail and airport installers;
- Monitoring solution developers;
- Supplier of railway rolling stock.





IIA is the leading Italian bus manufacturer able to design, build, market and service a wide range of vehicles for local public transportation, from 8 to 18 meters in length with traditional power supplies as well as green technologies.



CITYMOOD 12^e

The Citymood 12^e, is the only electric 12m bus **entirely designed and built in Italy.**

Menarinibus, starting from the well-established Citymood platform with over 1,500 units produced, has developed a city bus that takes electric mobility to the next level.


The Citymood 12e is **a zero-emission** bus not only in traction motor design but also in its air conditioning and auxiliary systems.

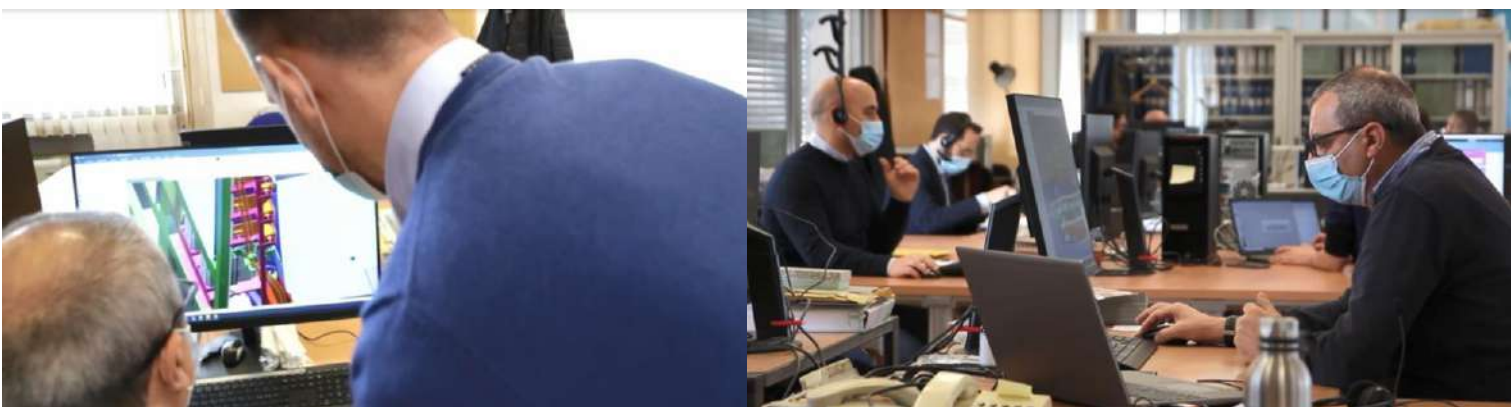


citymood 12e

In the historic plant in Via San Donato, a team of mechanical, electronic, industrial and environmental engineers is engaged in constant research activity aimed at refining existing technologies and developing new ones.

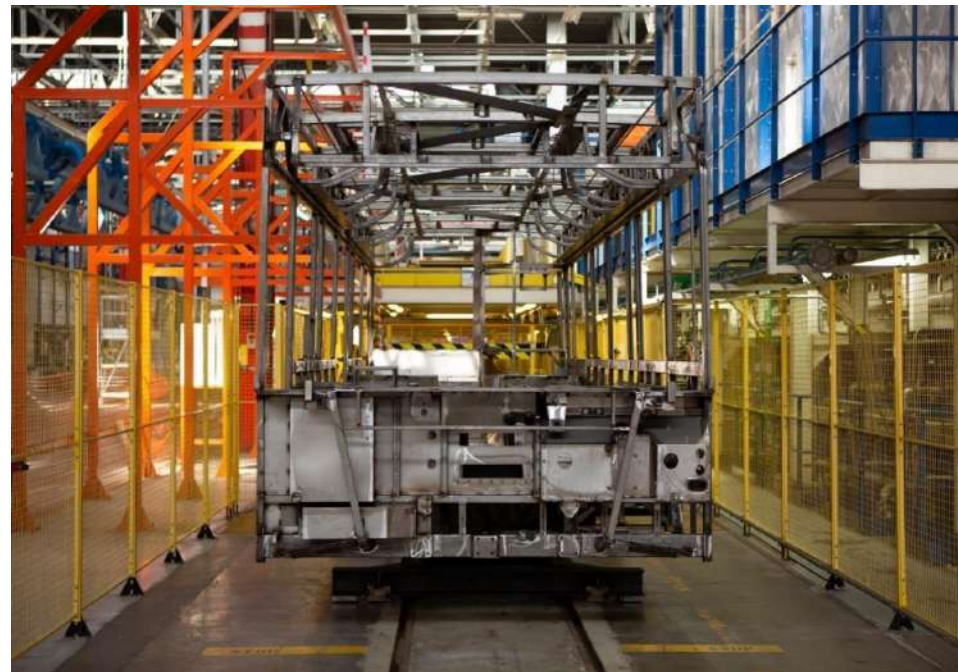
A production line dedicated to prototypes allows all necessary tests to be carried out on new technologies.

The Logistics Center and MooVe's Remote Service provides service and spare parts to all our vehicles wherever they are operating from. 





Thanks to the restructuring and modernization of the facilities, the production line and the plants, the Flumeri plant has increased its production capacity to become a state-of-the-art plant.



The site is also equipped with a cataphoresis plant, one of the most important ones in Europe.



OUR RANGE

- **VIVACITY range:** 8-9 mt
- **CITYMOOD range:** 10-18 mt

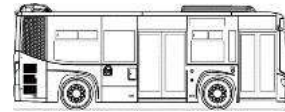
All vehicles benefit from:

- Fully lowered floor
- High strength welded carbon steel bodywork
- Different supply systems: Diesel, CNG, LNG and Electric.
- Cutting-edge engine and components
- Customized versions to clients' specifications

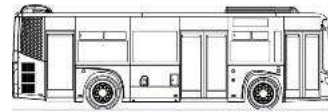


VIVACITY

- Leader in the mid-size segment category
- High load capacity with comfort and maneuverability
- Ideal for city centers and urban contexts characterized by traffic congestion conditions



8 mt | 61 seats

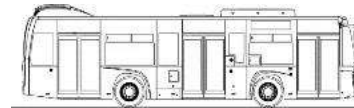


9 mt | 75 seats

Powered by
Diesel | CNG(2022) | Electric (2022)

CITYMOOD

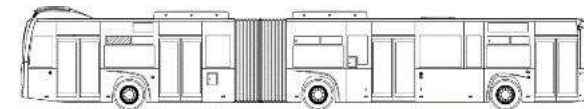
- Perfect for every scenario
- Highly customizable thanks to various configuration options
- Maximum capacity thanks to the articulated version (18m)



10 mt | 90 seats



12 mt | 107 seats



18 mt | 151 seats

Powered by
Diesel | CNG | LNG | Electric (2022)

SHAREHOLDERS



42,76%

Italian Ministry of Economic Development Agency for business developments, production growth and innovation



28,65%

Participated from Italian Ministry of Finance and Economics, Key player in Aerospace, Defense and Security with integrated solutions for Airspace, Land, Sea and Cyberspace



28,59%

Turkish vehicles manufacturer operating in more than 20 different countries around the world. Yearly Capacity: +18.000 vehicles



GESA INDUSTRY SRL

TRASFORMARE UN'IDEA IN UN PROGETTO REALE



The exclusive specialization in the railway sector has taken place since 2009, the year of birth of Gesa Industry Srl which over the years has been able to accompany all the decisive and important progresses of the railway sector, positioning itself as a partner of the most important brands in the railway and road sector.



Thanks to continuous research on materials, careful study of passenger needs and the use of cutting-edge production and control technologies, Gesa Industry effectively responds to the demands of the national and international market, positioning itself as a partner and point of reference for the big brands in the railway sector.



The company evolution has led Gesa Industry to an important reengineering of company processes: internalisation of new workflows, design and development, engineering of production systems and structural and physical expansion of the operating offices.



With the acquisition of the "Ansaldo Trasporti" brand, the company began a new growth path and laid the foundations for new forms of international success in the railway industry sector.



BAGAGLIETTO - ALSTOM PKP



TOILETTE IC901 - ANSALDOBREDA



ELECTRICAL CABINET - TAF MOROCCO



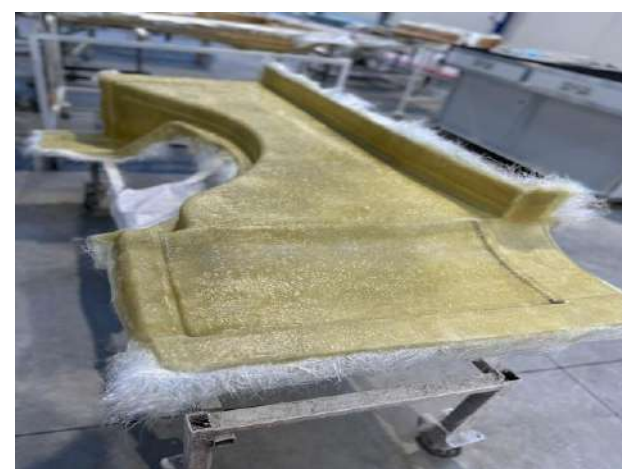
TOILETTE - MCNE



METRO-MADRID-ANSALDOBREDA



COACH TRENITALIA - ANSALDOBREDA



REAR LINING SX - IIAUTOBUS



GEL COATING - IIAUTOBUS



COMPLETE DASHBOARD SX - IIAUTOBUS





➤ Clients:

➤ ANSALDOBREDA



➤ TRENITALIA



➤ EAV



➤ EURORAIL



➤ CAF Italia



➤ CAF Spagna

➤ ATM



➤ ANM (mezzi di superficie)



➤ SKODA



➤ COOPERATIVA PROGRESSO E LAVORO





Rail Engineering

Human Resources in company have decades of experience and have worked with leadership roles for worldwide orders placed by major car builders.

The completeness of expertise and skills within **SBF** organization gives the possibility to offer a global and integrated support maintaining a smart and flexible engineering service.

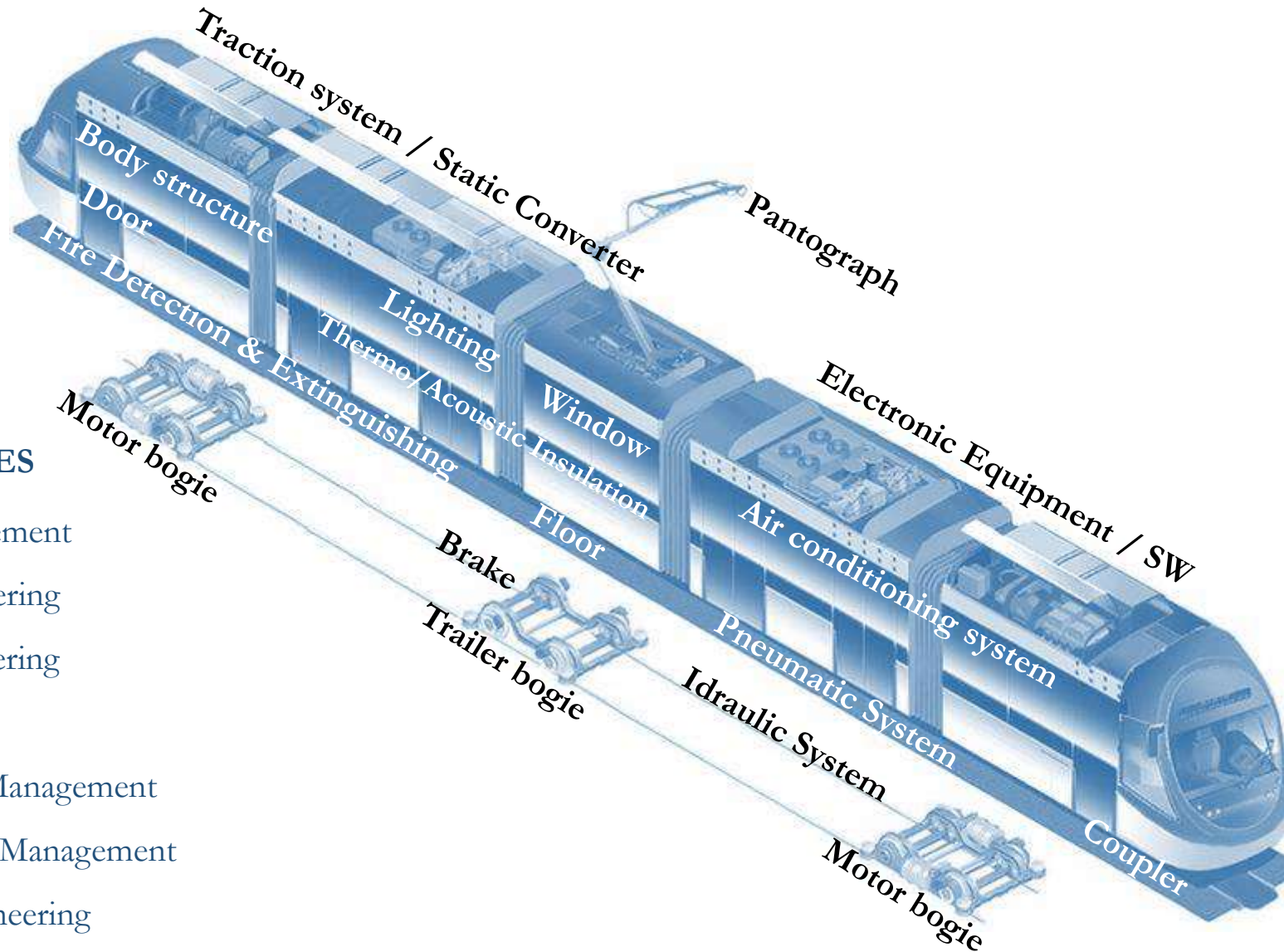
Key words: Excellence in Rolling Stock; Experience ; Expertise ; Professionalism ; Dynamism ; Synergy ; Speed ; Efficiency ; Quality ; Flexibility ; Integration of competences

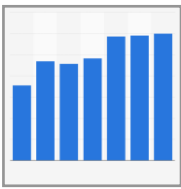
ACTIVITIES

- Product Design and Development
- Standard Assessment
- Data Management
- Virtual Prototyping
- Computer Aided Design – CAD
- Structural – FEM Analysis
- Comfort – CFD Analysis
- Noise and Vibration – NVH Analysis
- Material and Technologies
- DFE – Design For Environment
- Fire Engineering
- RAMS/Safety Assessment
- Risk Analysis

COMPETENCES

- Project Management
- Project Engineering
- System Engineering
- Design
- Supply Chain Management
- Supply Quality Management
- Checking Engineering
- Testing and Commissioning





TENDER

ENGINEERING AND
DESIGN



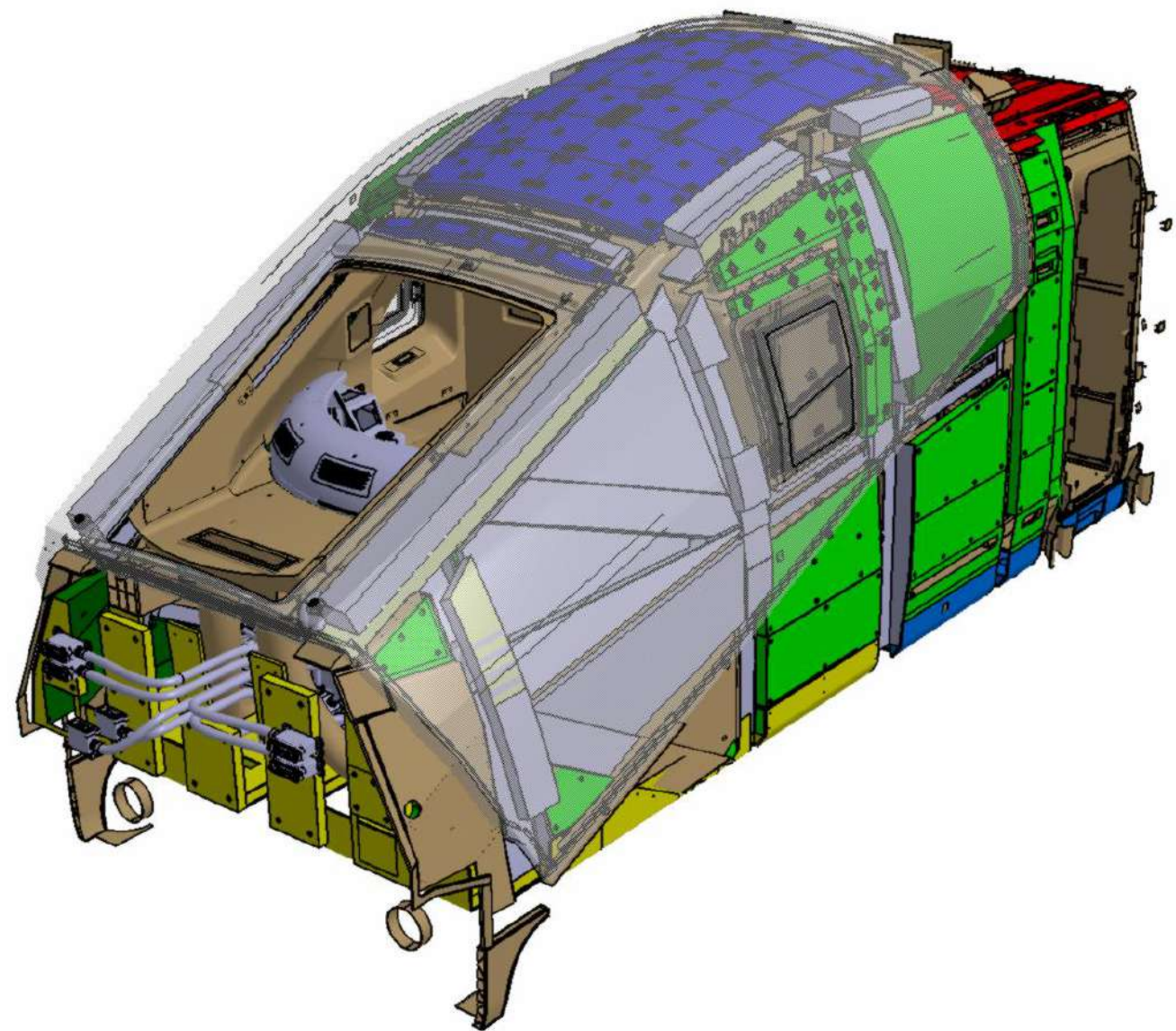
MOCK UP
REALIZATION

TESTING &
COMMISSIONING

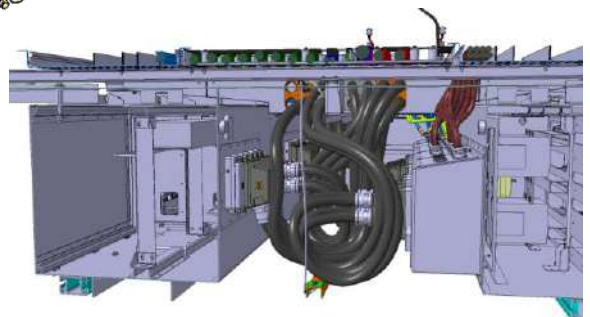
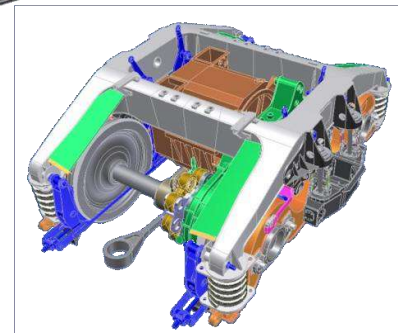
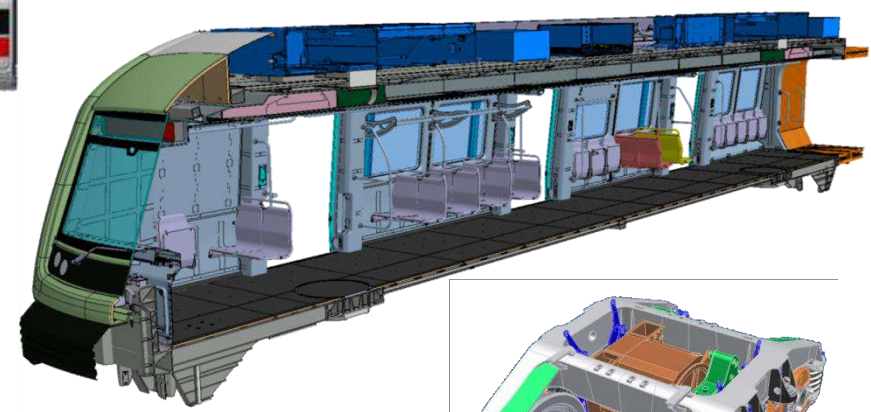
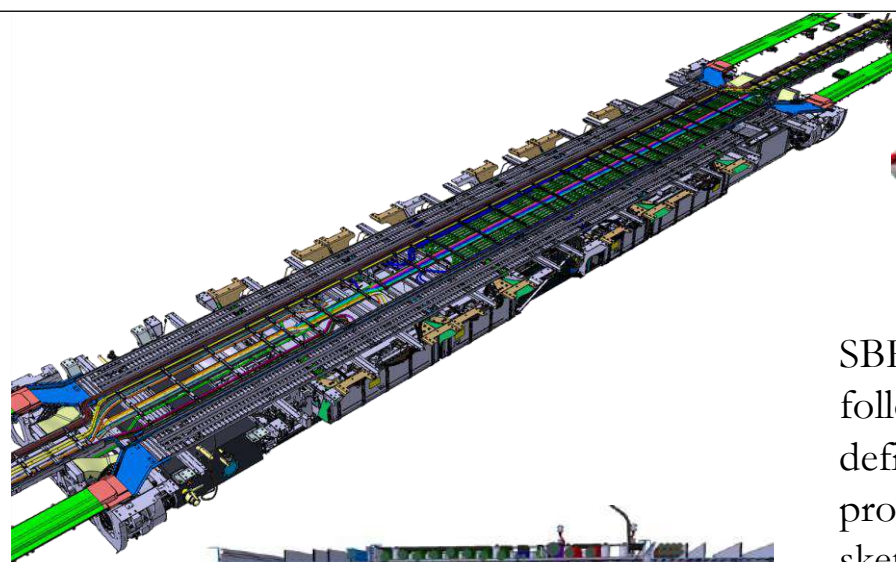


SAFETY
ASSESSMENT AND
HOMOLOGATION

SERVICE

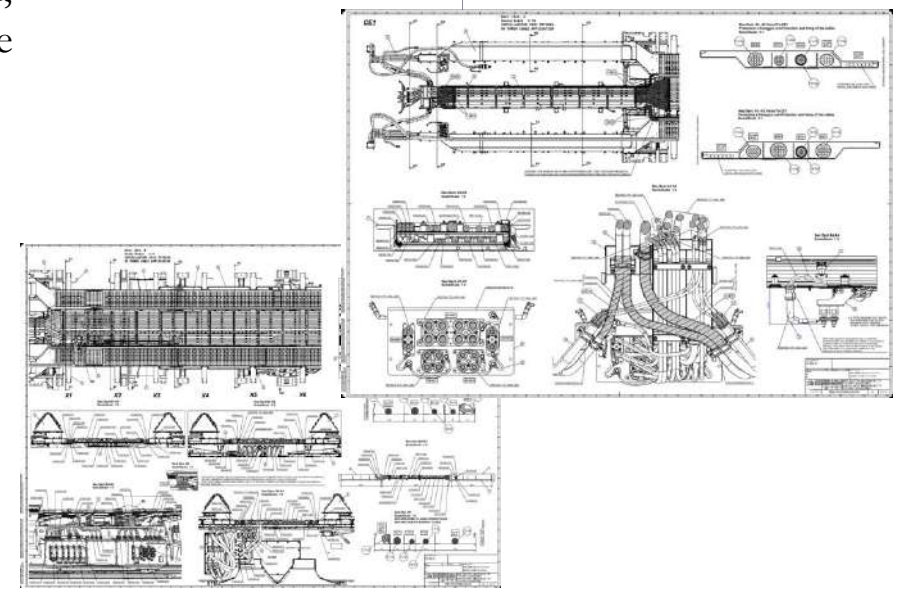
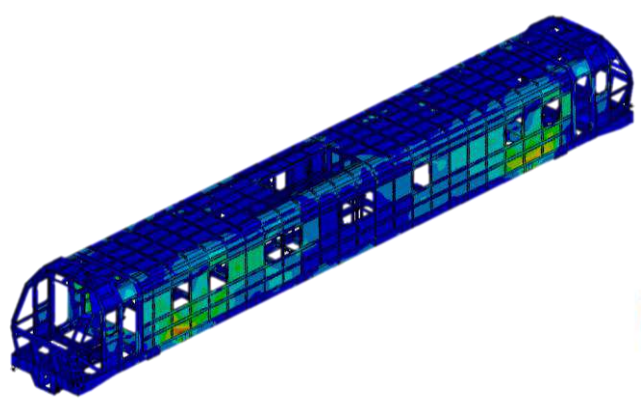
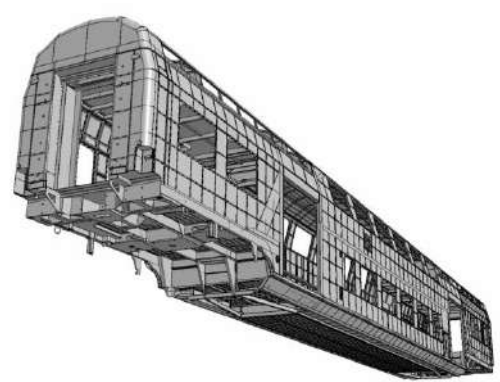


PORTFOLIO OF CORE COMPETENCES: Focus DESIGN



SBF realize Design with specific software that follow the development from the initial phase defining the guides line in order to realize the product in a 3D - parametric models. If required sketches and renderings of the product are done for the presentation of the product.

The principal Software uses are AutoCad, CATIA, Creo, Inventor, ANSYS (for the structural Analysis calculations).



Trasversal
Competences

VIRTUAL System Engineering

Internal Lighting Doors Toilette Brake Aut. Coupler

HVAC PIS Idraulic System Traction

Fire detection & ext Video Surveillance Pneumatic System

Interiors / Catering Windows Thermo/Acoustic insulation

Static Converter Bogie HW & SW electronic development

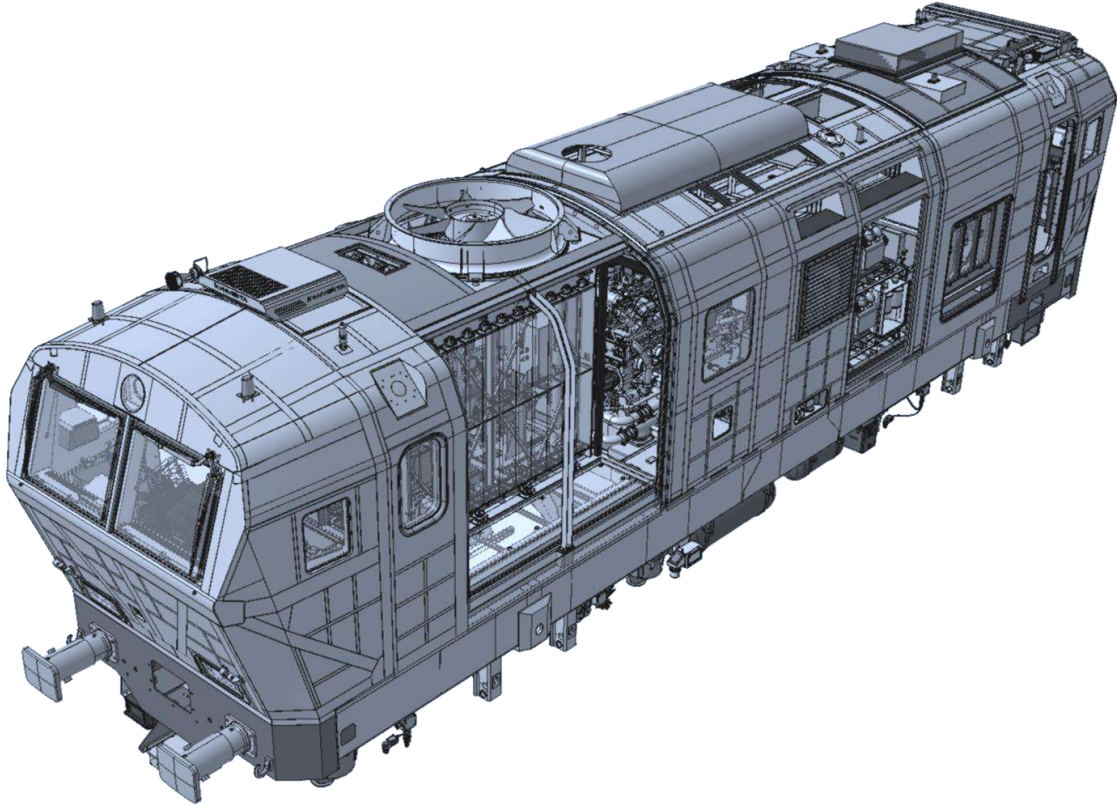
NVH - Noise and Vibration / Thermal Comfort

Material and Technologies

DfE - Design For Environment

Fire Engineering - Safety

RAMS - Reliability Availability Manutenability Safety



REFERENCES Main Customers





EuroRail is a company in the train business, created by the participation of specialists of the sector with more than 50 years of experience.

The objective of the company is to support the customer from the conceptual phase of engineering to the development of detailed engineering and high-quality products and offering a complete and reliable service.

We can manage the complete floor system thanks also to the collaboration with the main industry leaders.



BUILDING TRUST



Rail Engineering



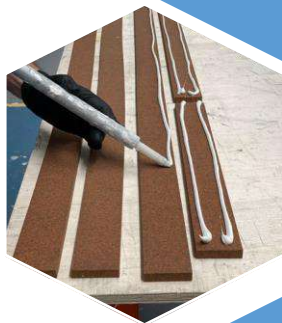
EUROGUARCO





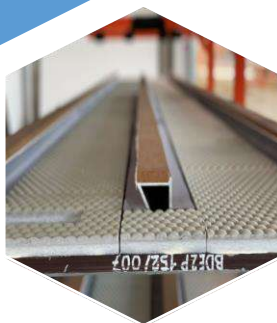
Design and
calculations

Specialist in
sound and
vibration
isolation
“High confort”



Bonding and
welding
specialist

Production of
Sandwich
panel or the
complete
system



Specialities



PRODUCTION

EuroRail is located in Prato (Italy), the production is divided between the production of sandwich panels, the accessories (tables, dividing walls, internal doors,.....), and the production of complete flooring systems.

Each step of production is controlled according to a control system, using the latest industry 4.0 systems.

This helps us to be able to control the history of each piece also over time.

We collaborate with the leaders of the various materials necessary for the production of the floors. A high quality of the products produced ensures a long service life of the floors and all its components.



PRODUCTION PROCESS

Sandwich panels

Own production of sandwich panels and possibility to mix various materials and various geometries



Various glue stations

Controlled gluing process and use of state of the art technologies



Complete flooring systems

Production of prefabricated floors with thermal acoustic insulation, insertion of aluminum profiles, heating systems and other accessories.



RESEARCH AND DEVELOPMENT

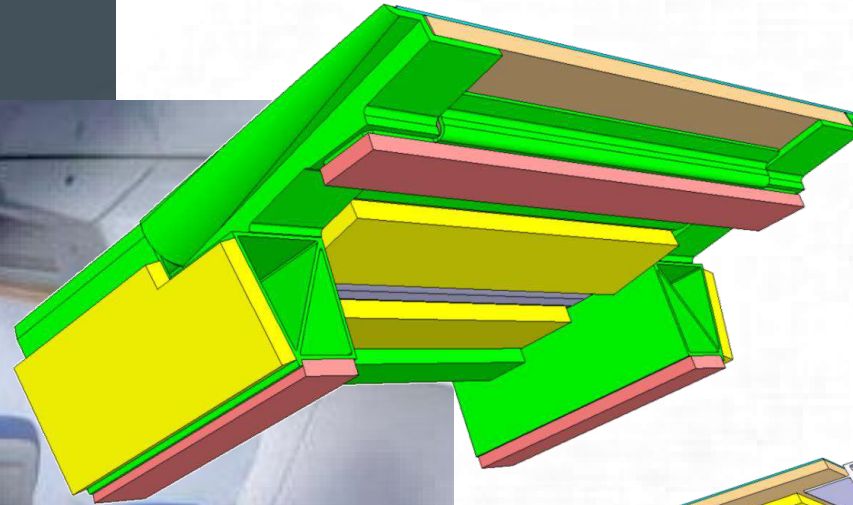
EuroRail cares about the new trends and new technologies which are the success of its customers, the companies that compose it, invests substantial capital in the research and development of new technologies and materials in the railway sector, as well as in the continuous search for engineers and technicians specifically trained for the production and realization of rolling stock supplies, in order to guarantee cutting-edge solutions for its customers.



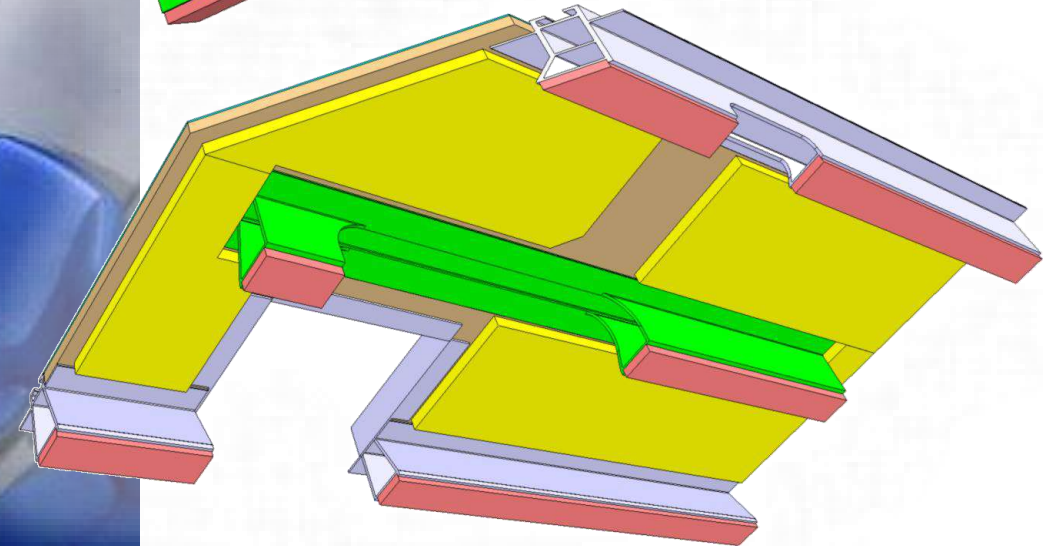
R&D



PRODUCTION



Different products
for different parts
of the train



TRENO "DOLCE VITA"

Working on the Engineering and Interiors Solution



The history

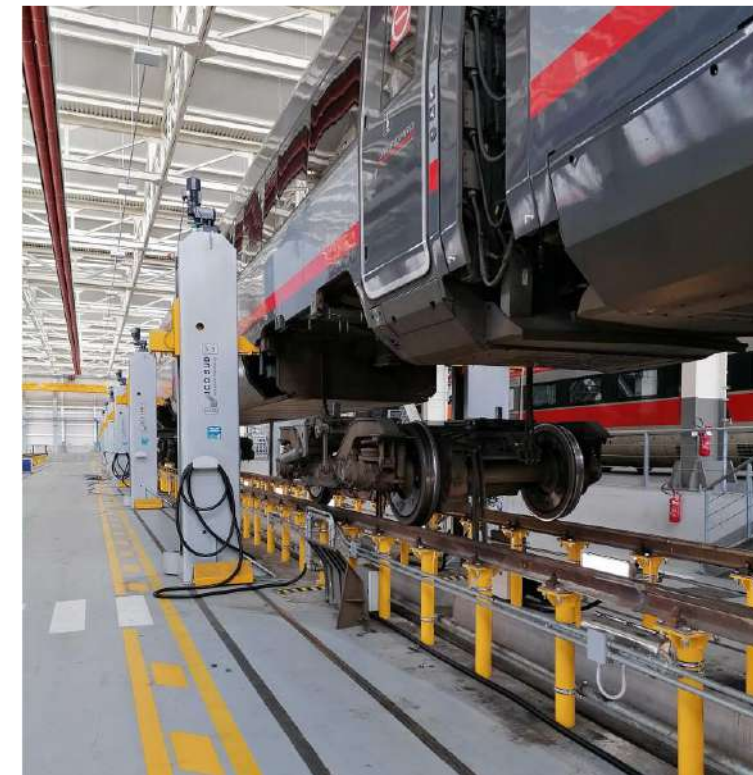
Developed in the late eighties as a representation and sale company of components for the industry, the I.C.O SUD stood out for its outstanding specialized technical expertise in production lines and Plants, which guaranteed a rapid and solid growth. The natural vocation of the Campania region in the railway industry supply chain has made the I.C.O. SUD a partner of historic companies in the construction of railway vehicles (AnsaldoBreda, Sofer, Firema) since the early 1990s. Collaborations with the most important international railway vehicle manufacturers has allowed the I.C.O. SUD to develop advanced technologies, equipment and solutions specific to the railway sector.

In addition to its many years of experience in the railway industry, I.C.O. SUD also operates in other industries:

- **AUTOMOTIVE • AEROSPACE • MARITIME • ENERGY • IRON AND STEEL**
- **FOOD & PACKAGING • TECHNICAL SUBCONTRATting**

Since 2008 the company has implemented the Research and Development division, to study and implement solutions and cutting-edge applications for industry, valuing the perfect combination between the long experience, the design and engineering activities, and the innovation of product and process.

Today the company occupies an area of 5000m², equipped with 10 + 5ton overhead cranes and a team of specialized professionals and technicians and an organizational structure for the marketing, design, construction and maintenance, managing and fulfilling with high competence all the requests, the critical points and specific characteristics of each customer.



Special machines for railway equipment

I.C.O. SUD designs, builds and installs special equipment for the maintenance of railway rolling stock.

The strengths of the organization are:

- The design and construction of every single part of the machine by internal staff;
- The installation and commissioning at the customer's site is carried out by specialized technicians;
- The provision of a complete and high-quality set of services for the design of machines and plants, thanks to a team of technicians with deep experience in plant design and the use of CAD 2D and 3D technology and FEM stress analysis software;
- The offering of any automation system for machines or equipment, including the design of hardware and software for managing electrical equipment, which is carried out by the company's specialized staff.

For the railway industry, I.CO. SUD, thanks to the expertise gained in complex and high-tech structures, designs and builds:

- Mobile Elevating Platforms for work on the side of vehicles and roof (PEMP)
- Equipment on rails for dismounting underframe components
- Fixed work platform for roof access
- Special equipment for processing operations and components



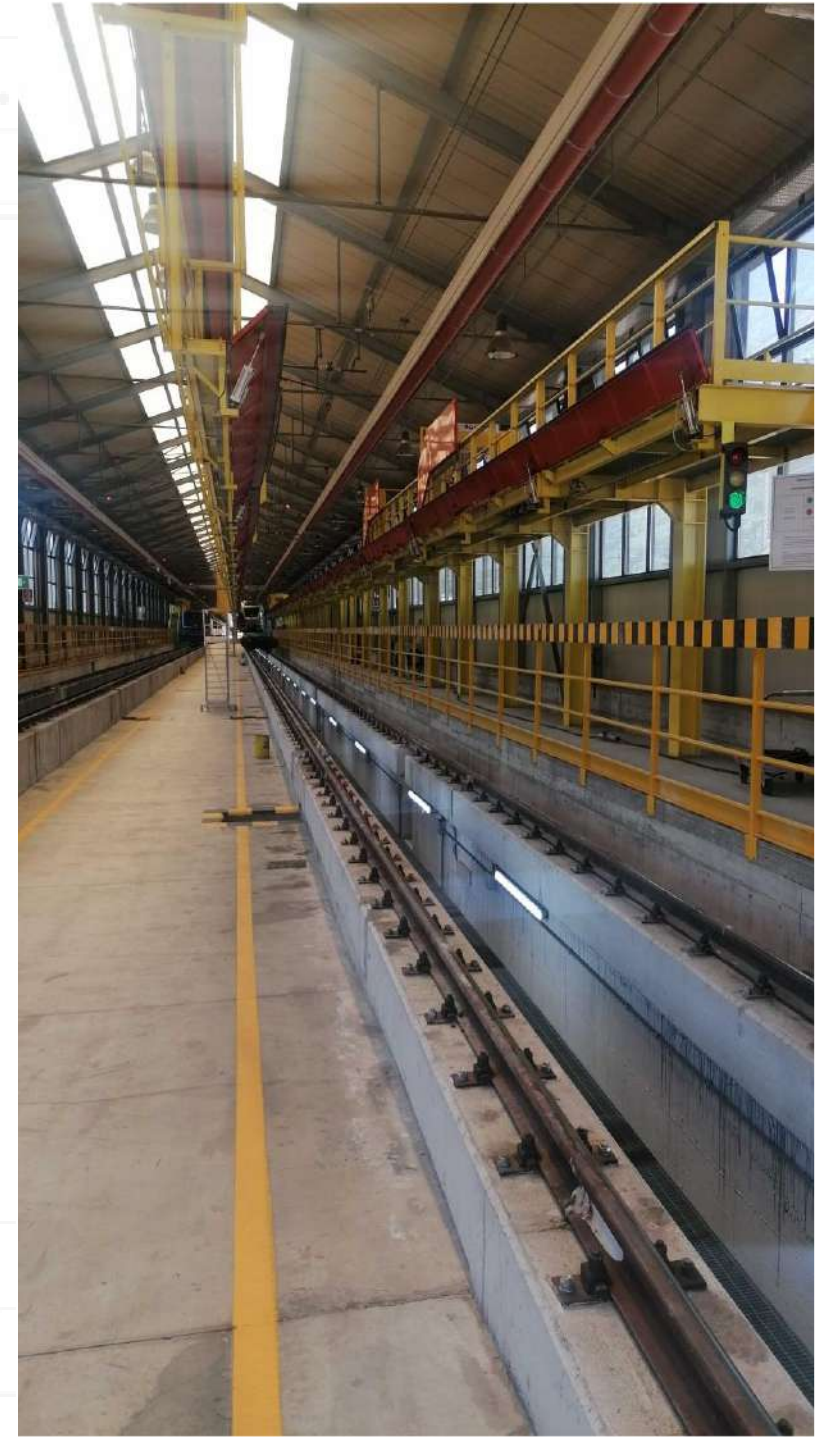
Services

Design and construction of metallic carpentry welded structures, machines and special equipment, made through the use of professional and highly specialized personnel using 2D, 3D CAD technology, FEM and stress state for steel structures simulators.

- Ordinary and extraordinary maintenance activities for machines and plants, overhauls, retrofitting and regulatory adaptations of industrial machines and systems.
- Research and Development of high-tech processes in the industrial field.
- Spare parts and supplies of components for hydraulic, pneumatic, lubrication and vacuum systems.

For the railway industry, in addition to the many years of experience in the construction of special machines and equipment, I.CO. SUD also offers:

- Technical assistance
- Consulting
- Regulatory analysis
- Maintenance
- Overhaul services



Quality, Safety and Environment

Quality, environment, safety and management of the special aspect of welding represent the pillars of business development. These aspects have been, over time, valued by obtaining the respective Management System Certifications.

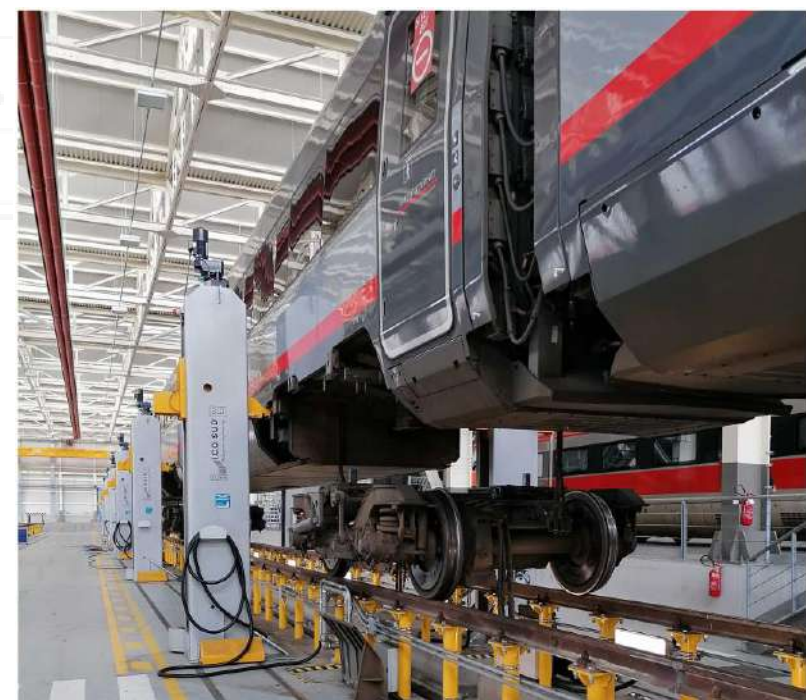
Since 2004, ICOSUD has successfully achieved the **UNI EN ISO 9001:2000** certification, which in the following years has been updated and implemented to adapt to the updates of the legislation. Since 2011, the company has also been certified for the welding process in accordance with **UNI EN ISO 3834-2:2006** and for product certification **UNI EN 1090-2:2011**. Since 2014 the Company has achieved the certification of its own efficient environmental management system **UNI EN ISO 14001:2004** and the one for occupational safety certifications **BH OHSAS 18001:2007**.

To date, the I.C.O. SUD therefore has 4 active and certified management systems for the Quality and Environment aspects, Occupational Safety and Welding

- **UNI EN ISO 9001:2015** - Cert. 92854-2011-AQ-ITA-SINCERT issued by DNV GL - Business Assurance;
- **UNI EN ISO 14001:2015** - Cert. 169009-2014-AE-ITA-ACCREDIA issued by DNV GL - Business Assurance;
- **UNI EN ISO 45001:2018** - Cert. 169217-2014-AHSO-ITA-ACCREDIA issued by DNV GL - Business Assurance;
- **UNI EN ISO 3834:2021-2** - Cert. ITI000167 issued by Bureau Veritas Italia S.p.A.

To these ones is added the Certification of Steel Structures:

- **UNI EN 1090:2018 - 2** - Cert. N. 1370-CPR-1368 issued by Bureau Veritas Italia S.p.A.



THANK YOU



ANSALDO
ATLAS MOBILITY

Wherever it matters, our expertise transports you

