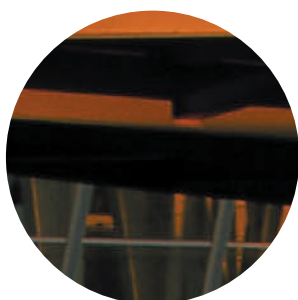
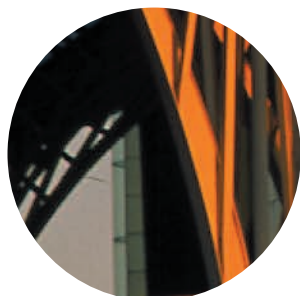
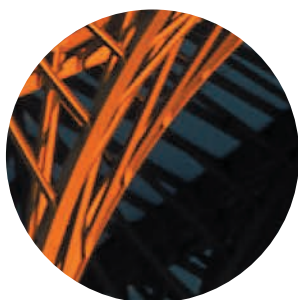
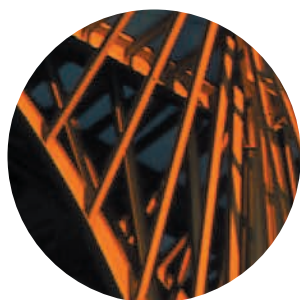
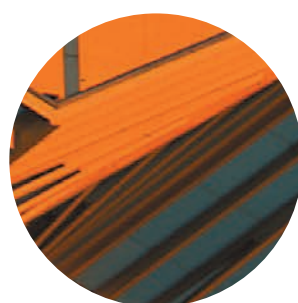
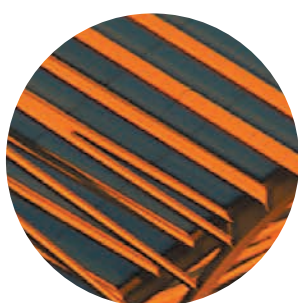


Portugal

MAKES SENSE

RAILWAY MOBILITY

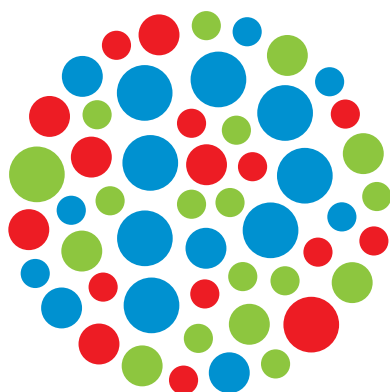


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aicep Portugal Global
Trade & Investment Agency

AICEP PORTUGAL GLOBAL

Your reliable partner.

aicep Portugal Global - Trade & Investment Agency is a government body focused on the development of a competitive business environment that contributes to the globalisation of the Portuguese economy.

As a reputable business-oriented agency, with specialised professionals in Portugal and a global network in over 50 countries, AICEP's mission is to increase Portugal's competitiveness and reputation, by fostering structural investment and promoting the internationalisation of Portuguese companies.

aicep Portugal Global also includes aicep Global Parques, the Industrial Parks Management entity, which advises on the best location for investment projects.

AICEP:

- Identifies international business opportunities and provides a key insight to Portuguese companies on the best way to approach foreign markets, through its account managers and a set of digital channels, which offer specialised information, training programmes and business matching services.
- Supports the development of the internationalisation processes of Portuguese companies, in particular SME's, by supporting the creation and development of strategies that aim to broaden their base of local customers and providers.
- Welcomes national and international investment projects in Portugal that contribute to the competitiveness and sustainable growth of the Portuguese economy. In addition to providing advice and tailored information, AICEP monitors all stages of the projects – from analysis and investment incentives to site installation selection and human resources consultancy – redirecting them, if necessary, to other entities according to the project profile.
- Provides quality training to young Portuguese talent through the international internship programme INOV Contacto, thus contributing to the internationalisation of the Portuguese economy and Portugal's global reputation.



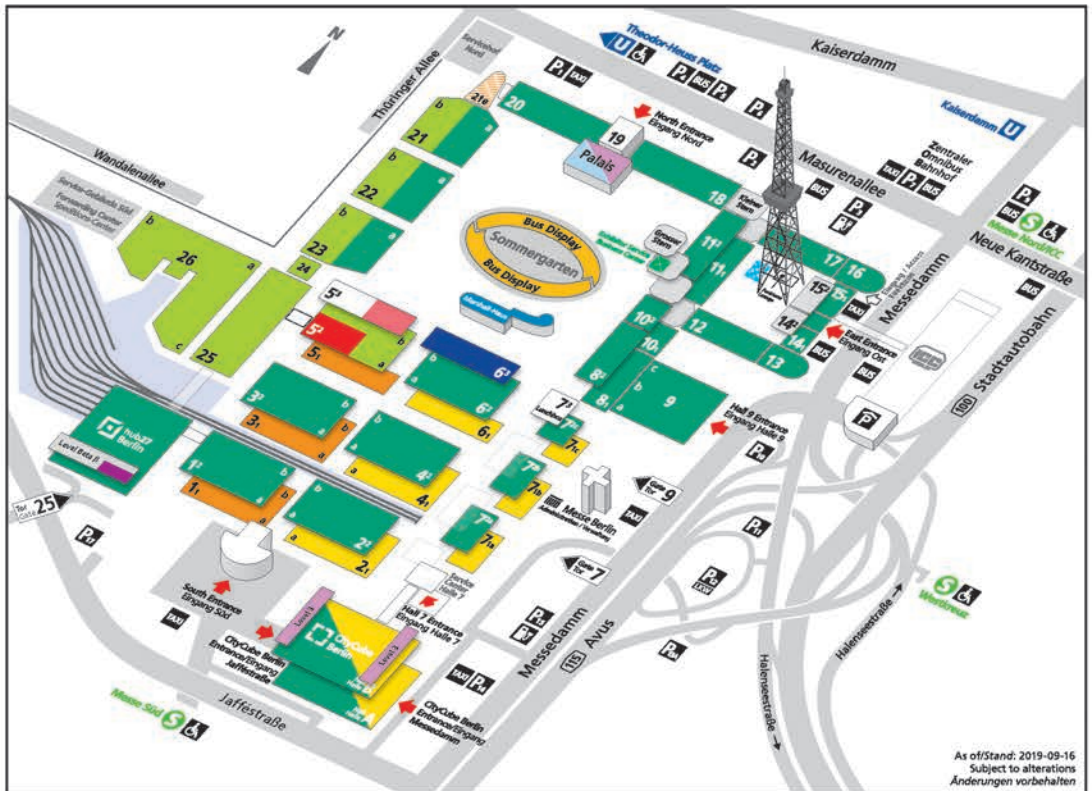
InnoTrans 2022

20 – 23 SEPTEMBER · BERLIN

International Trade Fair for Transport Technology

Exhibition Grounds (Preliminary hall layout)
Geländeplan (Vorläufige Hallenplanung)

InnoTrans 2020
 22 – 25 September · Berlin



As of/Stand: 2019-09-16
 Subject to alterations
 Änderungen vorbehalten

- | | | |
|---|---|--|
|  Railway Technology |  Opening Ceremony
Eröffnungsveranstaltung |  InnoTrans Campus |
|  Interiors incl. Travel Catering
& Comfort Services |  InnoTrans Convention |  Business Lounge
(Marshall-Haus) |
|  Railway Infrastructure |  Speakers' Corner |  Press Center
Presezentrum |
|  Tunnel Construction | |  Restaurant „Meet'n'Eat“ |
|  Public Transport incl. Mobility+ | |  Restaurant „Oktoberfestzelt“ |
|  Outdoor Display
Gleis- und Freigelände | | |
|  Bus Display | | |

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PORTUGUESE RAILWAY PLATFORM



PORTUGUESE RAILWAY PLATFORM



The Portuguese Railway Platform is a competitiveness and technology cluster gathering more than 100 players in the domestic rail system divided up into huge public and private companies, SME, non-corporate bodies within the SI&I and other corporate associations.

They are all moved by the following goals:

- Increasing competitiveness of the national rail system at both efficiency and attractiveness levels;
- Developing new products and systems in the railway business;
- Contributing to greater quality and availability of the national rail infrastructure and to deliver safe and high-quality rail passenger and freight services.

The aim is that PFP can be known as a dynamic and proactive cluster in pursuing a collective efficiency strategy and a place for knowledge sharing as well as value chains and network developing. The end result would be better competitiveness, and a greater innovation ability coupled with a radical new way of tackling the overseas rail sector.



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A smart, sustainable and next generation of rail system

A mobilizing collective action

Project impact on the railway sector

Innovative activities of industrial research, experimental development and demonstration of new solutions, contributing to the acceleration of the national railway industrial development and to international recognition and promotion of cooperation opportunities.

Testing the components, tools and developed systems in real vehicles and infrastructure to increase the competitiveness and quality of the rail transport service, considering four intervention axes.

Overall objective

Testing the components, tools and developed systems in real vehicles and infrastructure in order to increase the competitiveness and quality of the rail transport service, considering four intervention axes.



Sustainability

Reducing the environmental footprint and attracting more passengers.



Asset management

Monitoring of infrastructure and rolling stock data.



Cost reduction

Monitoring and optimization of the railway system.



Traffic safety

Safety conditions and warning systems.

Project Structure

Products, Processes and Services (PPS)

A HOLLISTIC TEAM TO DEVELOP A SET OF EFFECTIVE SUBSYSTEMS/PRODUCTS FOR THE RAILWAY SYSTEM

01 SUSTAINABILITY OF THE RAILWAY SYSTEM

Research, development and demonstration of sustainable energy and environmental solutions for rail transport.

- 01 INCREASE THE RAIL SYSTEM EFFICIENCY
- 02 DECREASE THE ECOLOGICAL FOOTPRINT AND COMPONENT COSTS
- 03 INCREASE COMPONENT LIFECYCLE



04 COMMUNICATIONS AND CYBERSECURITY

Development of pioneering communication and cybersecurity, sensing, and energy efficiency technologies applied to vehicles and railway infrastructure.

- 04 INCREASED AVAILABLE BANDWIDTH FOR RAILWAY APPLICATIONS
- 05 DECREASE IN COMMUNICATIONS LATENCY FOR WIRELESS APPLICATIONS
- 06 REDUCTION OF THE SPACE OCCUPIED BY THE MONITORING DATA TO BE SENT
- 07 INCREASED COMMUNICATIONS SECURITY, REDUCING THE NUMBER OF COMPUTER ATTACKS



02 MAINTENANCE SOLUTIONS

Planning of railway/infrastructure maintenance operations to control risks and minimize costs in the railway operation.

- Applying a holistic approach
- An innovative tool to support decision-making by railway managers, with integration of data from both the track and the vehicle, and incorporation of advanced techniques for data fusion and knowledge extraction.



05 VALORIZATION AND INTEGRATED DISSEMINATION OF PROJECT RESULTS

Coordination and management of the technical, administrative and financial components, as well as the dissemination and enhancement of the results achieved.

- Project success
- The project's success stems from the process of articulation and coordination of activities, ensured by the leaders of each PPS, based on an integrated strategy for valuing and disseminating their results throughout the project.



03 MANAGEMENT AND ALERT PLATFORMS FOR CRITICAL SAFETY EVENTS

Monitoring and control of safety conditions within the use of infrastructure and rolling stock through sensing systems and automatic alerts.

- Infrastructure sensors and on-board rolling stock sensors
- In a railway system, traffic safety largely depends on the signaling control and command systems linked to the authorization of movement and circulation of train sets, but also on a set of other systems that monitor and control the safety conditions of the railway infrastructure and rolling stock.



A MOBILIZING COLLECTIVE ACTION

The FERROVIA 4.0 project aims to address the technological and market challenges that the railway sector has faced, involving companies and entities from the R&I System led by EFACEC Engenharia e Sistemas and by the Portuguese Railway Platform Cluster.

It is the ambition of this project to develop different components, tools, and systems designed for the economic and ecological sustainability of the railway system, for the reduction of operating and maintenance costs, for the creation of reliable information systems to support decision-making in asset management, and for the creation of security systems capable of monitoring the infrastructure and triggering alerts and protection/intervention measures.

Sustainability of the Portuguese railway system

Context of the railway sector in Portugal

- Challenges in Digital Transformation, Safety and Efficiency of the railway network.
- Need for qualification and modernization of railway ecosystem and infrastructure.
- Responding to environmental concerns, energy efficiency and cost optimization.

A smart, sustainable and next generation of rail system

CONSORTIUM





Portugal
MAKES SENSE

PORTUGUESE
RAILWAY
CAPABILITIES

PORTUGUESE RAILWAY CAPABILITIES

ROLLING STOCK

- Exterior design
- Operator
- Trains and locomotives
- Wagon construction & Wagon refurbishment (Structural)
- Composite materials and components
- Maintenance engineering
- Remote/online condition monitoring
- Systems for inventory and inspection
- Testing and commissioning
- Virtual product development and lifetime assessment
- Flooring composite panels
- HVAC units
- Interior Design

RAILWAY INFRASTRUCTURE

- Anti-vibration pads
- Bridges & viaduct construction methods and solutions
- Bridges anticorrosive protection
- Bridges metallic repair and reinforcement
- Cabling/wiring harness
- Catenary
- Civil engineering and construction
- Concrete sleepers
- Dynamic Railway Scales
- Electrical Components
- Electrification
- On-board monitoring and data processing
- Command & Control for Energy, Signalling and Telecom
- Infrastructure maintenance
- Power traction repair/refurbishment
- Sensorization and conditioning monitoring
- Slope protection
- System for monitoring and management of the railway
- Track Works
- Train Stations Construction

SERVICES / CONSULTING

- Integrated Mobility Solutions
- Management and technical assistance
- Operations management systems
- Public transport information systems
- Public transport management systems
- Standardization and certification activities
- Railway engineering consulting
- RD&I competences
- Ticketing systems
- Training consulting

AMORIM CORK COMPOSITES



HALL 3.1 | 560

AMORIM CORK COMPOSITES, S.A.

AMORIM CORK COMPOSITES

Amorim Cork Composites creates innovative and sustainable materials that can be applied in flooring and ceiling solutions, as well as side/partition walls for trains, buses and boats. Cork contributes to weight reduction of the final component, improves thermoacoustic performance and provides greater comfort. Amorim Cork Composites offers core materials for sandwich and multilayer panels, that can be processed using infusion or gluing technologies. Our materials combine unique properties, from thermal insulation to noise reduction or fire resistance, and help reduce surface weight.

Natural and lightweight products are developed to meet weight reduction and low carbon footprint requirements of transportation vehicles. Cork is one of the world's most sustainable materials, recyclable and has a negative carbon footprint of -73tons of CO2 for each ton of cork harvested.

Main projects / products / services:

Siemens Inspiro Platform for Warsaw and Riyadh Tramways; CP Alfa Pendular, Flooring development; iBus – Caetano Bus – Sidewall & Flooring Panels; Mazda MX-20 – Interior Components; BMW – Prototype Mini Strip; Hyundai Grandeur Hybrid – Interior Components; Research and Development; Acoustic Insulation Solutions; Vibration Insulation Solutions; Flooring Components; Lightweight Solutions; Ceiling Elements; Partition Wall Elements; Interior Components; Sealing Solutions; Railway Pads; Shock Absorbers.



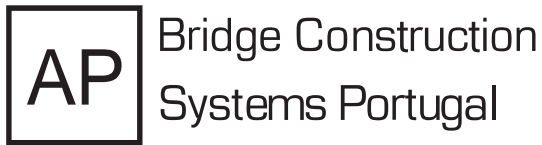
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Portugal
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AP BRIDGE CONSTRUCTION SYSTEMS



AP BRIDGE CONSTRUCTION SYSTEMS, LDA.



Specialised on designing large machines - Movable Scaffolding Systems.

During last 14 years our MMS built 16 viaducts for the Spanish AVE including the 2 largest arch bridges for High-Speed Railway in the world, viaducts over Tagus River (324 m span) and Almonte River (384 m span).

Reflecting on the problems concerning the rationality of an huge railway investment, the long time necessary for the constructions and the need of quick results regarding interoperability between standard and Iberian gauges, we developed a new concept of railway transport based on our side sliding loading method for train wagons.

This concept is very wide, involving passenger mobility and freight transport sectors as well as the following four main relevant innovative assets:

- a) Port automation with side sliding loading associated with the use of AGV's
- b) Fast and efficient solution for track gauge change of freight and passengers
- c) Optimization of the use of tracks and wagons matching offer and demand.
- d) Interoperability between buses and trains using the same cabin for the entire journey.

Main projects / products / services:

Design and development of machinery: Bridge construction; Port automation; Train gauge change. **Automation systems:** Port automation; Ports-railway interfaces; Railway stations; Railway networks; Gauge change automation.

Multi-purpose Wagons.



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COURO AZUL

Trainlys[®]
top quality leather
engineered
and designed
for railway



PORTUGAL

Couro Azul is a CARVALHOS Group company

HALL 3.1 | 670

COURO AZUL - INDÚSTRIA E COMÉRCIO DE COUROS, S.A.



Integrated in the Carvalhos Group, a reference in the tanning industry since 1939, our tannery Couro Azul employs a total of 600 professionals and is specialised in tanning and finishing cowhides for transports – automotive, railway and aeronautical industries. The achieved quality standards, innovation and sustainable products are recognized by our OEM customers. Couro Azul, a ISO/TS16949, ISO14001 and VDA 6.1 company, supplies chrome free leather.

In recent years, a continuous development strategy allowed us to start supplying leather for the very demanding railway and aeronautical industries.

Trainlys® range of leathers specially designed for train interiors. Using the best bovine European raw material, Couro Azul applies tradition and know-how to the most recent technologies and innovation, by supplying leathers for exclusive environments, resistant and durable. Trainlys® products always entails a reduction of the train's overall operating costs due to the easy and fast in situ maintenance.

Thanks to breakthroughs attained by our R&D dept. Trainlys® keeps the natural look of leather, the required elasticity and smoothness, anti-soiling treatment and easy cleaning.

Couro Azul is a CARVALHOS Group company.



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Portugal
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RAILWAY MOBILITY

CP COMBOIOS DE PORTUGAL



CP – COMBOIOS DE PORTUGAL, E.P.E.



COMBOIOS DE PORTUGAL

CP is the main Portuguese rail passenger operator, providing international, long-distance, regional and commuter trains.

CP is a state-owned business entity fully owned by the Portuguese State.

As an active player in society, CP assumes the responsibility for contributing towards the economic development and social cohesion of the country and its inhabitants through a proper performance of its commercial activity.

With more than 144 million passengers carried per year (2019), CP is one of the most representative Portuguese companies and the country's largest land transport operator.

Main projects / products / services:

Passengerf services:

- International trains: Porto-Vigo
- Long-distance trains:
 - Alfa Pendular (Faro - Lisboa - Porto - Braga/Guimarães)
 - Intercity Trains (linking the main cities)
- Regional and InterRegional trains
- Commuter trains:
 - Lisboa Metropolitan Area
 - Porto Metropolitan Area
 - Coimbra
- Tourist trains and charter trains



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EFACEC



EFACEC - ENGENHARIA E SISTEMAS, S.A.



Efacec Engenharia e Sistemas S.A. focuses its activity in the following business areas: Transportation, Energy and Environment & Industry.

Efacec Engenharia e Sistemas is ISO9001:2000, ISO14001, OHSAS18001 certified, being one of the first companies in Portugal to have a Management System for Research, Development, and Innovation (I&D+I) certified by NP 4457:2007 standard.

Transportation main activities are focused on delivering projects for Railway, Metro and Tramway/Light Rail segments, while also operating on Roadways and Utilities.

We develop and implement solutions in different technological and geographical domains, with a high range of competences, products and services which enable the sustainable growth of our business.

Main projects / products / services:

Odense Light Rail – Denmark: Energy Systems, Telecom, Support Systems to Light Rail System 26 stations, along 14km. **Oporto Metro – Portugal:** Energy Systems, Telecom, Support Systems to Light Rail/Metro System for 81 stations, along 67 km, with 4 lines in service. **Tenerife Light Rail – Spain:** Energy Systems, Telecom, Support Systems to Light Rail System 25 stations, along 16 km, with 2 lines in service. **Bergen Light Rail (Bybanen) – Norway:** Telecom, Support Systems for Phase 3 (Lagunen - Flesland), Energy Systems for Phase 2 (Lagunen-Nesttun). **Dublin Light Rail (LUAS) – Ireland:** Energy Systems, Telecom, Support Systems to B1, C1, A1 and LUAS Cross City – along 21 km and 35 stations. **IP – Portugal:** Design, Supply, Installation, Testing of Power, SCADA Telecom Systems for different Lines. **Metropolitano de Lisboa – Portugal:** Energy Systems, Telecom and Support Systems for different Lines. **Banedenmark – Denmark:** Turnkey construction of Holte Traction Substation for Copenhagen S-train. **Nottingham Express Transport - United Kingdom:** Operation Support System for Nottingham Express 51 stations, along 31,8 km.

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PHOTOLUMINESCENT
SAFETY SIGNS FOR

PUBLIC TRANSPORTATION



IN CASE OF EMERGENCY BREAK THE GLASS
IN CASE OF EMERGENCY BREAK THE GLASS

EVERLUX



Everlux are dedicated to the study and development of technologies related to the production of photoluminescent products and their applications in the safety area – i.e. photoluminescent safety signs and systems. Everlux have a sound commitment towards quality, innovation and continuous improvement throughout the design and manufacturing processes.

The company has been in business since 1989, developing products appropriate for industrial, commercial and residential buildings.



Main projects / products / services:

Recently, the company developed the Everlux for Public Transportation product range: a specific range of Photoluminescent Safety Signs for Public Transportation, namely Long and Medium Distance, Tram, Bus and Coach. At InnoTrans, Everlux will present this product range for Public Transportation, which includes:

- Escape route signs
- Emergency equipment signs
- Fire-fighting equipment signs
- Evacuation plans
- Security instructions
- Everlux LLL - photoluminescent system for evacuation routes
- Rights and duties – signs for travelers
- Mandatory signs
- Prohibition signs
- Itinerary map.



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FERESPE



FERESPE FUNDIÇÃO DE FERRO E AÇO, LDA.



FERESPE produces on demand, delivering finished sand and investment cast parts to incorporate in your assembly lines. We have been working successfully and for many years on the production of technical certified parts for Railway high performance applications. We are positioned in a small and medium series niche market. Aware of the markets looking for Railway cast components, we are constantly seeking to go further and always ahead.

FERESPE has got a wide customer base throughout the production chain of the Railway Industry, producing cast components, namely, for wagons, bogies – structural elements, brake holders, motor supports and spring supports -, car bodies, coupling systems, calliper brake systems, seat parts, etc.

Main projects / products / services:

FERESPE focuses on the production of technical parts for high wear applications, using the following alloys: – Medium and low alloyed steel with high strength, including applications at low temperatures and low residuals elements for better weldability and longer life; – Austenitic, Martensitic and Duplex stainless steels (for specific applications); To fulfil the increasing demand for dimensional accuracy and better surface finish and keeping the same focus on small and medium series niche market, we can now offer a complement of range to our Customers.



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INCOMEF



HALL 3.1 | 670

INCOMEFE – ENGINEERING, LDA.



Since 1998, from Porto, our design capabilities and engineering expertise allow us to handle your unique or extreme applications that may have unique or extreme requirements involving use, operating environment, and/or weight capacity. Bring us your handling challenges and we will provide you with a high quality, reliable solution.

Whether it's a unique custom personnel platform for a material handling integrator, a custom scissor elevator, or a large turnkey project for your multinational company, Incomefe has the ideal team to make your project a success. We also develop custom presses, for example for the composite material sector.

Main projects / products / services:

- Moliãna for change Bogies – Comboios de Portugal - Campolide;
- Leve Bogies for maintenance – RATP - France;
- Project Horizontal Press for RATP - France;
- Hydraulic Platforms for accessibility;
- Floor platforms for cabinets paint – Renf - Spain;
- 3-axis platforms for painting trains in paint cabinets - France;
- Project for Turns platforms for Bogies – Eurotunnel - France;
- Presses for composites materials – France;
- Project Scissor lift for assembly and disassembly of Bogies - Comboios de Portugal;
- Maintenance of metalwork, hydraulics;
- Customized designs needed for the sector.



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LANTAL TEXTILES



LANTAL TEXTILES

LANTAL

Lantal is a leader in the design, production, and distribution of textiles and services for the international community of aircraft, railway, bus, business jet and super yacht operators.

With coherent, all-in-one solutions, Lantal offers to the customers forward-looking counsel in the domains of style, design, and completion.

Our underlying objective is the ultimate in well-being for passengers.

Main projects / products / services:

Lantal took over Gierlings Velpor in 2016 and manage the development of the bus and train market. With its all-in-one solutions, Lantal handles the entire production process from design to the end product.

Ideenzug Südostbayernbahn: Pilot project, in a partnership with DB and Südostbayernbahn, with Mesh Seats. They ergonomically adapt to the back and are therefore particularly comfortable and back-friendly. The light material serves as passive air conditioning. • DB Ideenzug City: In a partnership with DB, the flat materials for a new urban transport concept that adapts to the city lifestyle. • DB Inter City Express: Project for DB to develop the 1st and 2nd class seats in flat materials.



Image by:
"DB AG / Max Lautenschläger"

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MCG



MCG – MANUEL CONCEIÇÃO GRAÇA, LDA.



MCG transportation business area is a fast-growing operation, currently dedicated to EN 15085-2 CL1 certified metal assemblies for different systems, including HVAC and composite based systems for train and bus interiors.

On interior systems, MCG provides a turn-key approach on wall, ceiling, and flooring applications including its own Heated Flooring System, internally developed by a dedicated engineering team.

With an extensive portfolio of metal forming, composite and joining technologies and competencies, MCG transportation delivers competitive end-to-end solutions to its customers around the world.

Main projects / products / services:

Heated flooring systems; Certified metal assemblies (EN 15085); Wall, ceiling, and flooring applications; Composite based systems.



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MOTA-ENGIL



MOTA-ENGIL, ENGENHARIA E CONSTRUÇÃO, S.A.



MOTA-ENGIL

Mota-Engil Group's corporate journey is marked by a culture of entrepreneurship and innovation in a constant search for new horizons.

Founded in 1946, today the Mota-Engil Group is a multinational with operations focused on construction and infrastructure management in the segments of Engineering and Construction, Environment and Services, Transport Concessions, Energy, and Industrial Engineering Services. As a leader in Portugal with a consolidated position in the ranks of the 25 largest European construction groups, Mota-Engil is making its mark in 24 countries, in three distinct geographical areas of Europe, Africa and Latin America.

In each market it upholds the same standards of rigor, quality and the capacity to execute, sustaining Mota-Engil's position on an international scale.

With a market position aligned with best practices and business conduct founded on ethical principles and a unique, integrated strategic vision for the future, Mota-Engil aspires to become a more international, innovative and competitive group on a global scale.

With holdings in approximately 280 companies, Mota-Engil assumes a market positioning aligned with the best practices and in a business, conduct based on ethical principles and sustained on an unique and integrated strategic vision for the Mota-Engil of the future: a more international, innovative and competitive Group on a global scale.

Main projects / products / services:

The Mota-Engil Group has carried out construction projects in around 50 countries, asserting its technical skills and building a reputation of excellence, standing out in the construction of different infrastructures such as roads, motorways, airports, ports, dams, buildings, railway, electromechanics, foundations and geotechnics, mining services, as well as in the construction and maintenance of support platforms for the Oil and Gas segment, among other areas of expertise. Mota-Engil is engaged in a wide range of activities associated with the design, construction, management, and operation of infrastructures, and boasts a long and recognized experience, accompanied by a high level of technical know-how in the development of various areas such as: **Engineering and Construction:** Infrastructures | Civil construction | Other specialties; **Industrial Engineering Services;** **Environment:** Collection | Processing | Recovery | Waste-to-Energy; **Mota-Engil Capital:** Concessions | Real Estate | Mota-Engil ATIV | Mota-Engil Renewing; **Energy:** Generation | Waste-to-Energy | Trading; **Concessions:** Bridges | Highways.

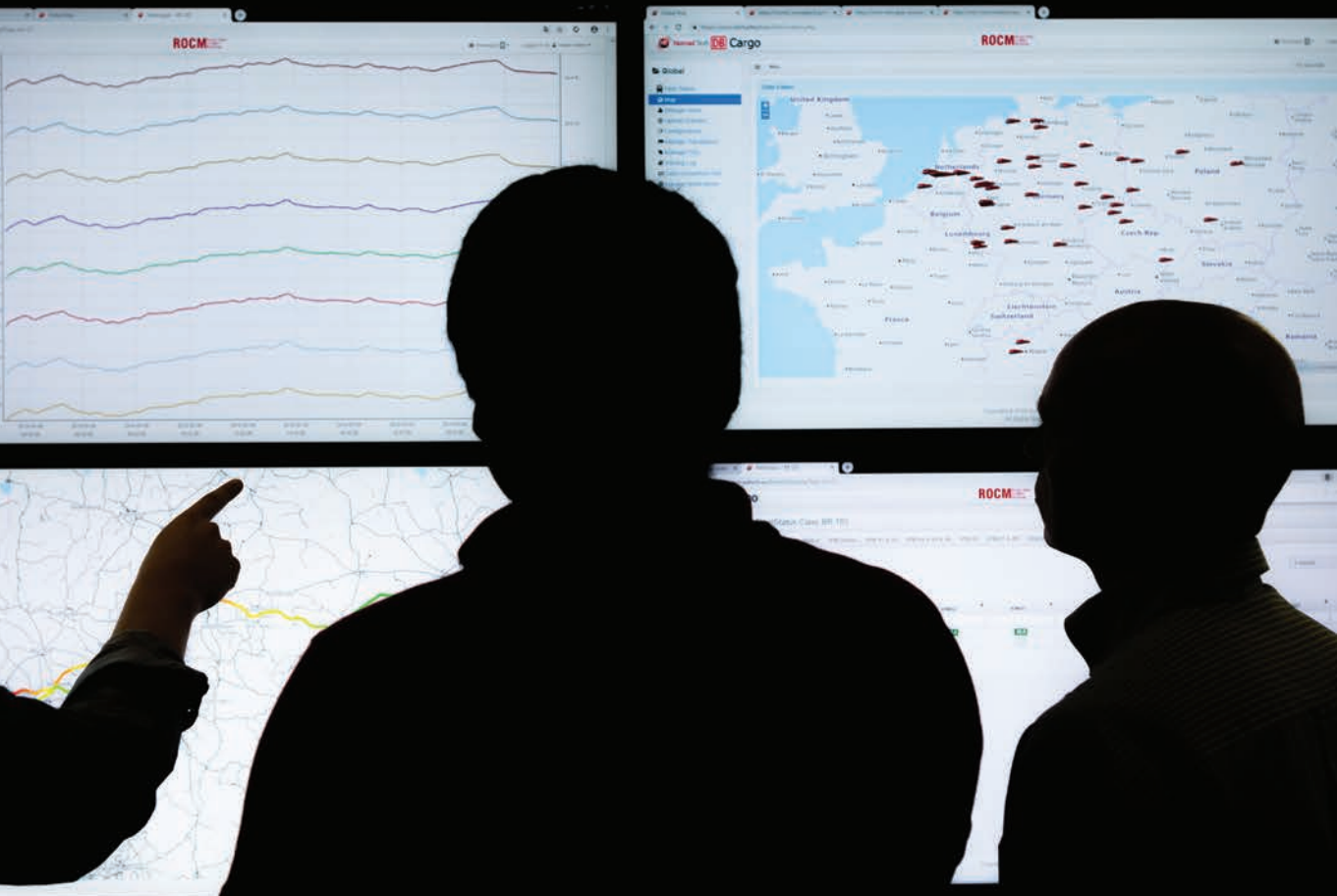
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NOMAD TECH

NT Nomad Tech
A Nomad Digital & ENED joint Venture

COMBOIOS DE PORTUGAL



OUTDOOR DISPLAY | DB - ATL

NOMAD TECH



Nomad Tech was created as a joint venture by Nomad Digital, the global leader for high-availability wireless solutions to the transportation sector, and CP, the Portuguese Railways, to meet the explosion in demand for solutions to reducing the life-cycle cost of rolling stock.

The joint venture will further develop the combination of Nomad's existing market-leading fleet connectivity and CP as a global pioneer in developing and applying the most modern maintenance strategies and condition-based maintenance solutions, as well as eco-friendly solutions, which provide significant cost-saving solutions for the railway market.

Main projects / products / services:

Nomad Tech is the pioneer of a unified and fully integrated on-train communications platform that enables: Continuous, online, remote monitoring of the condition of different train systems; Increased availability and reliability of the train and of its subsystems; The modernization of operations and maintenance activities of various train fleets throughout the world.

For that, it has 4 different intervention areas, as described below. Each area focuses on specific parts to help deliver the best products and solutions for our customers.

From the first contact and even after the delivery of the products, the teams at Nomad Tech will provide the necessary help to get the most out of every solution; NxT Sense – on-board solutions for rolling stock; NxT Aware – remote online condition monitoring platform; NxT Engineering – operation and maintenance engineering services; NxT Power – power electronics and innovative power refurbishment.

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Portugal
MAKES SENSE
RAILWAY MOBILITY



PROZINCO

HALL 3.1 | 670

PROZINCO – CONSTRUÇÃO E MANUTENÇÃO, LDA.



Bridges and other train infrastructures corrosion protection, metallic structure maintenance and concrete maintenance.

Prozinco performs steelworks fabrication projects on its facilities as well as on site.

Prozinco performs also maintenance projects for public or private clients.

Prozinco is dedicated to the execution of civil engineering projects, through its Department of Construction, including concrete repair of bridges, viaducts and buildings.

Prozinco performs anticorrosion protection of all kinds of surfaces.

Main projects / products / services:

Metallic structure repair and reinforcement plus anticorrosion protection of Portimão Bridge; Concrete repair of the masts of Ponte Edgar Cardoso Figueira da Foz; Anticorrosive protection of 25+ railway bridges for Refer/IP; Painting of concrete bridges; Removal, repair and reinstallation of pedestrian bridges over Norther Line railway.



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SISCOG



SISCOG - SISTEMAS COGNITIVOS, S.A.



SISCOG provides cutting edge decision support software solutions for optimized resource scheduling, management and dispatching in public transport.

Incorporating more than 35 years of specialized knowledge and using a combination of Artificial Intelligence and Operations Research techniques, the SISCOG Suite addresses these companies' need to offer their passengers/clients the best service while being efficient and sustainable in the use of their most important operational resources – time and space (timetables), vehicles, and staff.

Main projects / products / services:

The SISCOG Suite is composed by:

ONTIME, for creating and updating timetables; FLEET, for scheduling and managing vehicles; RAILNODE, for scheduling and managing local resources; CREWS, for scheduling and managing staff.

Amongst its clients are renowned companies, such as:

DSB – Danish Railways; FGC – Catalonia Railways; Lisbon Metro; London Underground; Medway; NS – Netherlands Railways; NSB – Norwegian Railways; Via Rail – Canadian Railways; VR – Finnish Railways.



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STECONFER



STECONFER, S.A.



Founded in August 1997, Steconfer is a global railway construction company specialized in innovative Rail Track, Overhead Catenary Systems and Signalling Solutions. With an international strong presence since 2006, the company's current and future position in the market stems from a set of values such as technical competence, innovation, professionalism, teamwork, sustainability, social responsibility, safety, and well-being of its employees.

Steconfer provides comprehensive rail solutions from engineering to procurement, construction, integration, testing and commissioning, including in-service maintenance support with field staff for Urban Transportation Systems (Tram, Light Rail, Ultra-Light Rail and Subway Transit Systems); Heavy Rail Infrastructures (Commuter, Regional, High-speed and Heavy Haul Systems) and Depots.

Main projects / products / services:

The focus on internationalization has always been the starting point and the main business strategy for the company, which allowed Steconfer to reach countries such as Ireland, Qatar, Mozambique, Taiwan, Chile, Norway, Sweden, Philippines, Israel, Peru, United Kingdom, and Canada.

Israel: Jerusalem LRT Network (J-NET) / Hadarom Container Terminal, Port of Ashdod; **Canada:** Hurontario LRT; **Norway:** Bybanen LRT; **Philippines:** Manila MRT 7; **United Kingdom:** Blackpool Tramway Extension; **Sweden:** Tram Depot Ringön, stage 1B / Tramway Lund - OCS Installation; **Qatar:** Msheireb Downtown Doha Catenary Free Tram; **Ireland:** Luas Cross City – LRT / Several contracts in Dublin for Luas Metro extension (since 2007); **Taiwan:** Kaohsiung LRT; **Chile:** Extension Biotren to Coronel Project; **Peru:** Lima and Callao Metro - Line 2; **Mozambique:** Nacala Corridor - Signalling installation and maintenance works; **Portugal:** IP - Portuguese Railway Infrastructure and maintenance installation of signalling system / Lisbon Metro expansion, Section Alameda II/S. Sebastião II and Oriente/Airport / Oporto Metro lines extension and new stations.

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SUNVIAUTO



SUNVIAUTO - INDÚSTRIA DE COMPONENTES AUTOMÓVEIS, S.A.



Sunviauto, Indústria de Componentes de Automóveis SA is an industrial company, founded in 1969, supplier of seats and metallic components mainly for the transport sector, including automobile industry, railway industry and bus industry, being one of the biggest manufacturers both on the national level, and internationally. The company, present in four countries, exports 95% of its production.

The railway industry has a long tradition in our company, where Sunviauto provides seating solutions and refurbishment.

Our customers are the major players in this sector.

The experience cumulated over the years in this market, along with awarding of the Iris certification supported by compliance with the EN 15085, have contributed to our success.

Main projects / products / services:

CAF: plataforma Urbus: Taiwan Project; Canberra (Australia) Project; Kansas City/Cincinnati Project; Amsterdam Project; Jerusalém Project and many others.

Alstom: Plataforma Citadis X05; ID9/ID10: Paris Project; Kaohsiung Taiwan Fase 2; Nantes Project; Lyon Project; Barcelona Project.

Bombardier/Alstom: Flexity Manchester Project.

Stadler: Milan Project.



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Portugal
MAKES SENSE

COMPETITIVE
ADVANTAGES

.....

PORTUGAL MAKES SENSE

Do business with Portugal

Every day, entrepreneurial companies, supported by a qualified labour force, give life to products and services that exceed the international standards of quality and touch the lives of millions of people all over the world.

That is why year after year more companies choose Portuguese products and services to make their businesses grow.

Be surprised by the extraordinary things that we are able to do for you and with you.

..... **Distinction through design and innovation**

..... **Customization of products and services**

..... **Flexibility at the production scale**

..... **Incorporation of modern production and control technology**

..... **Integrated product and service offer**

..... **Qualified and multilingual labour force**

..... **Strategic location between the East and the West**

..... **Port, railway, road and airport infrastructures of excellence**

Portugal

MAKES SENSE

RAILWAY MOBILITY



The solution for your sourcing.
Find new and trustable suppliers.

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