

Onboarding



PORTUGUESE RAILWAY
PLATFORM



DEUTSCH-PORTUGIESISCHE INDUSTRIE- UND HANDELSKAMMER

MISSION TO PORTUGAL



Lets start



HISTORY & LANDMARKS

01

JULY 23 ,2015

Formal deed constitution of
PPR – Associação da Plataforma
Ferroviária Portuguesa;

2

FEBRUARY 17, 2017

Recognition by IAPMEI, as
Emerging Competitiveness
Cluster of Railway;

3

SEPTEMBER 11, 2019

Sectorial Pact for the
Competitiveness and
Internationalization of
Portuguese Railways.



PORTUGUESE RAILWAY
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Associations
10

Academia
17

Operators &
Infrastructure
Managers
11

Companies
72

110 MEMBERS



OUR MISSION

To make Portugal an International reference in the railway sector and a privileged place for the development of R&D+i projects





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Sectoral Pact for the Competitiveness and Internationalization of the Portuguese Railways - 2019

1 Innovation, Research and Development

2 Strengthening national skills

3 Support production in national rail market

4 Promotion of national railways

5 Launch Portuguese Railway Sector Internationally

Sectoral Pact for the Competitiveness and Internationalization of the Portuguese Railways 2019



National Railway Plan
Definition of the railway network that ensures communications of national and international interest in Portugal.
This plan is intended to give stability to the planning of the railway network over the medium and long term.



Vocational training
Consulting & Certification
Business Incubation Nest



Development and Management of
Laboratories and Testing Platforms
Exploitation and Market Acceptance
Education and Training

NATIONAL RAIL CLUSTER CAPACITY



Smart and Sustainable
Infrastructures



Control, Command
Communications

Rolling Stock



System
Attractiveness



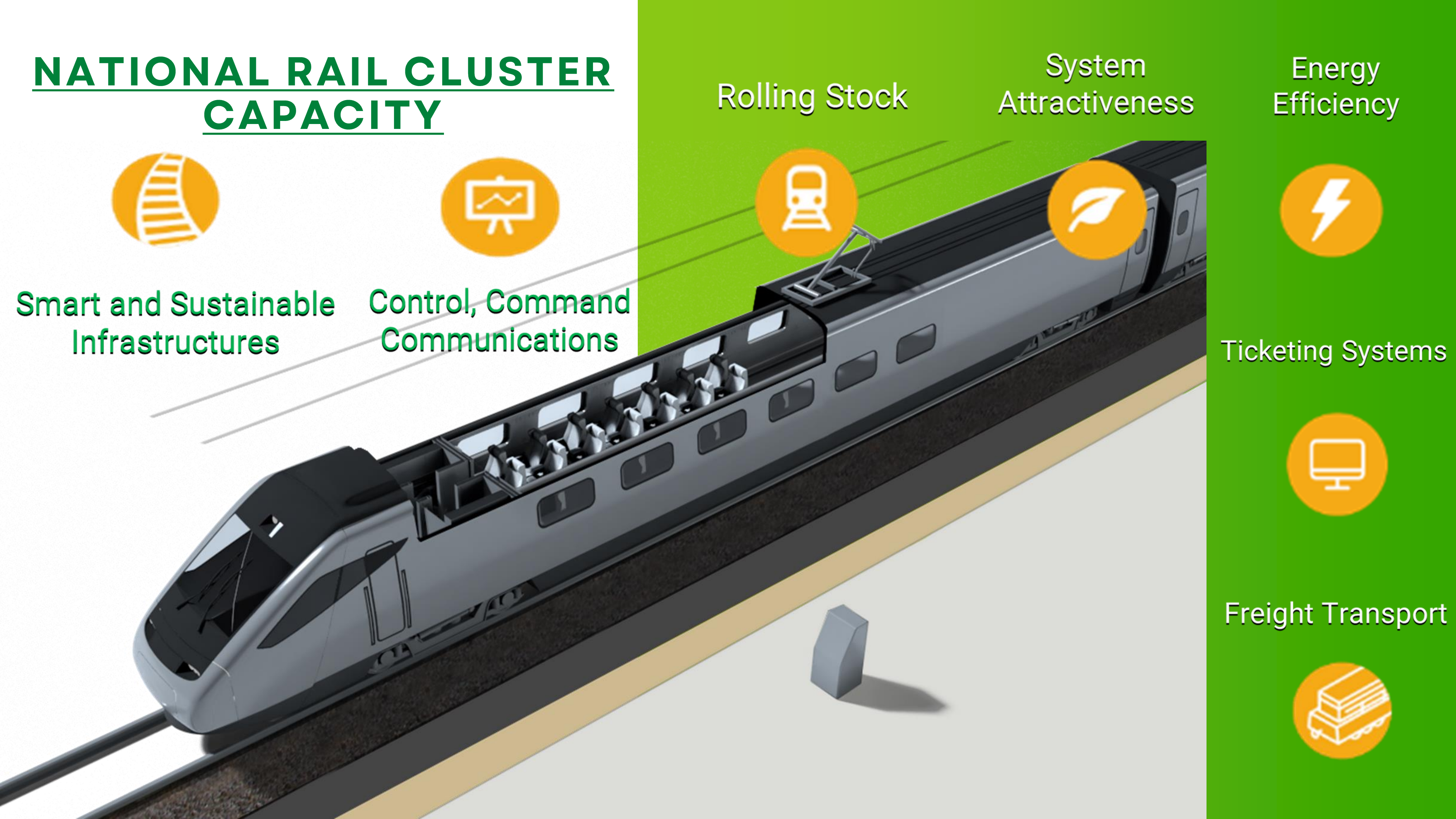
Energy
Efficiency

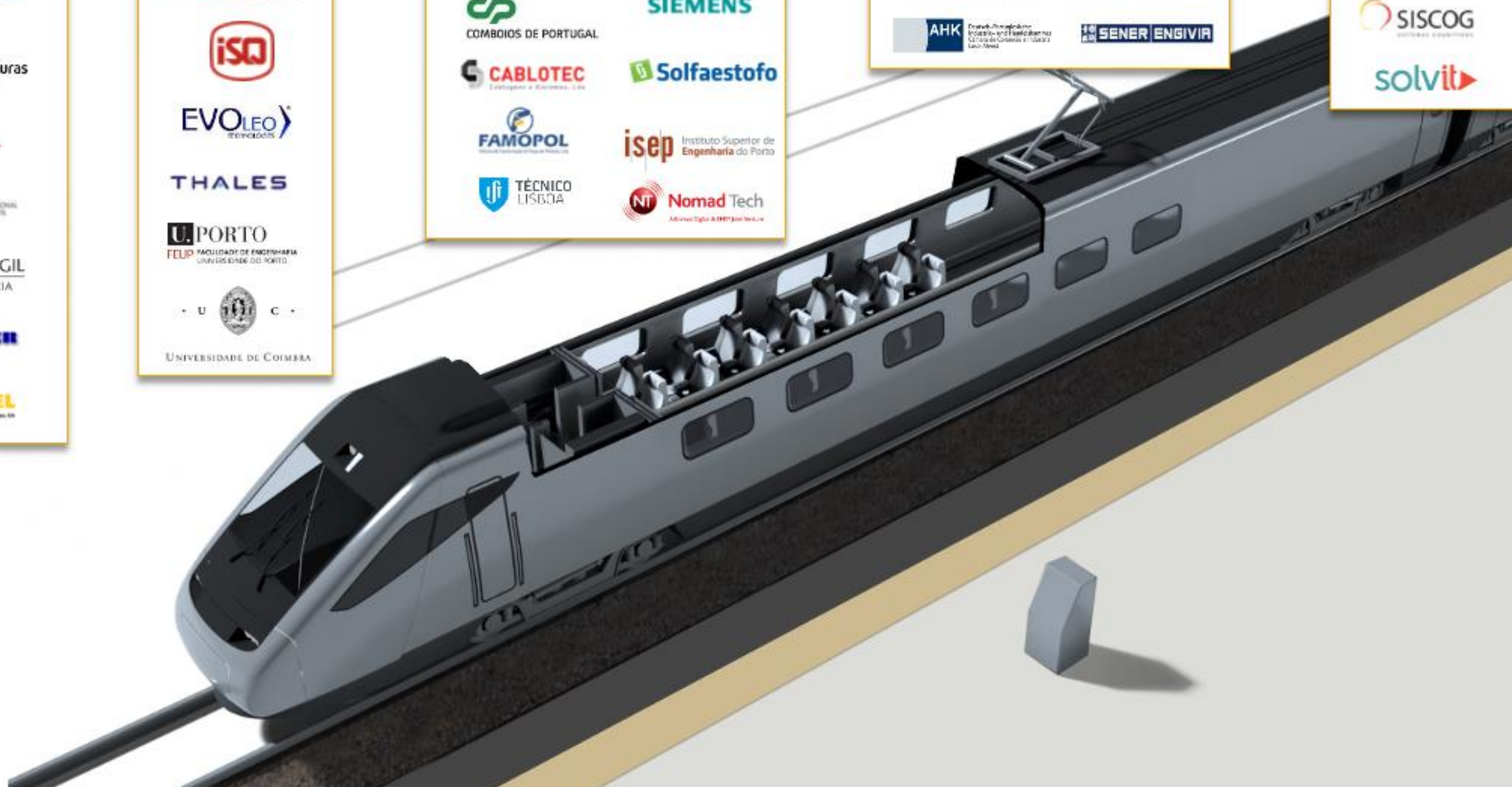


Ticketing Systems



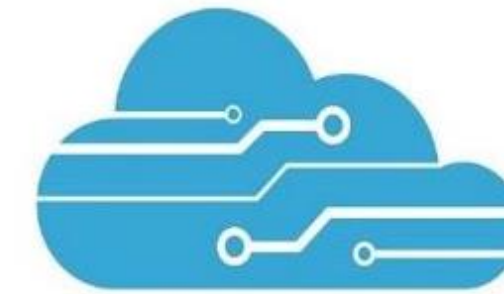
Freight Transport





NATIONAL & INTERNATIONAL CONTEXT

DEFENSE OF THE NEW EUROPEAN CHALLENGES



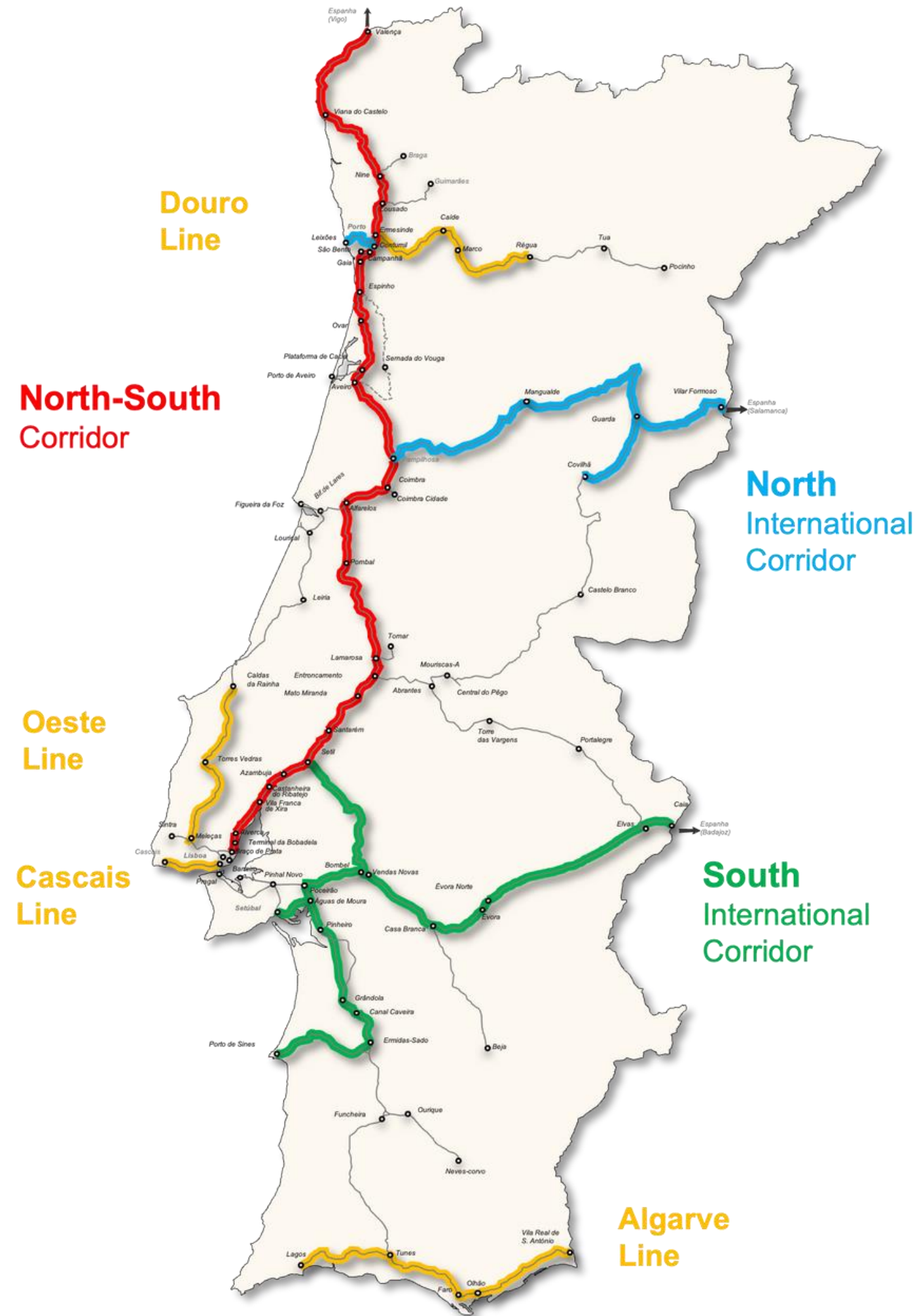
Digitalization



NATIONAL INVESTMENTS

- FERROVIA 2020
- PNI 2030 – HS OPO-LX-VIGO
- EXPANSION LIGHT RAILS
- NEW ROLLING STOCK
- RAILWAY and PORTS





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FERROVIA 2020

PROJETAR PORTUGAL NA EUROPA



⊠ 1000 km

Infrastructures



> 2000 M€ Global



> 50% of EU co-financing

650 M€ South International Corridor

560 M€ North International Corridor

420 M€ North-South Corridor

460 M€ Complementary Corridors

PROGRAMA NACIONAL
DE INVESTIMENTOS **2030**

Nacional Plan of Investments 2030



PORTO – LISBOA
PORTO – VIGO

Double Line, High Speed
Running 2021-2030

Travel Time Porto/Lisbon: 1h15

Northern Line liberation for Cargo

1ª Phase: **2.300 M€**

Total: **4.900 M€**

**PORTO-VIGO: 0.9
M€**



FASE 1

2024/2028

FASE 2

2026/2030

FASE 3

>2030



COMBOIOS DE PORTUGAL

158 M€ 22 Multiple Units for Regional Services

Call Closed to STADLER: Expected deliver in 2026

819 M€ 117 Multiple Units Urban/Regional Services

Call closed to ALSTON: Factory to be installed in Guifões, Portugal

ROLLING STOCK
NEW INVESTMENTS

520 M€ 12+4 High Speed Multiple Units

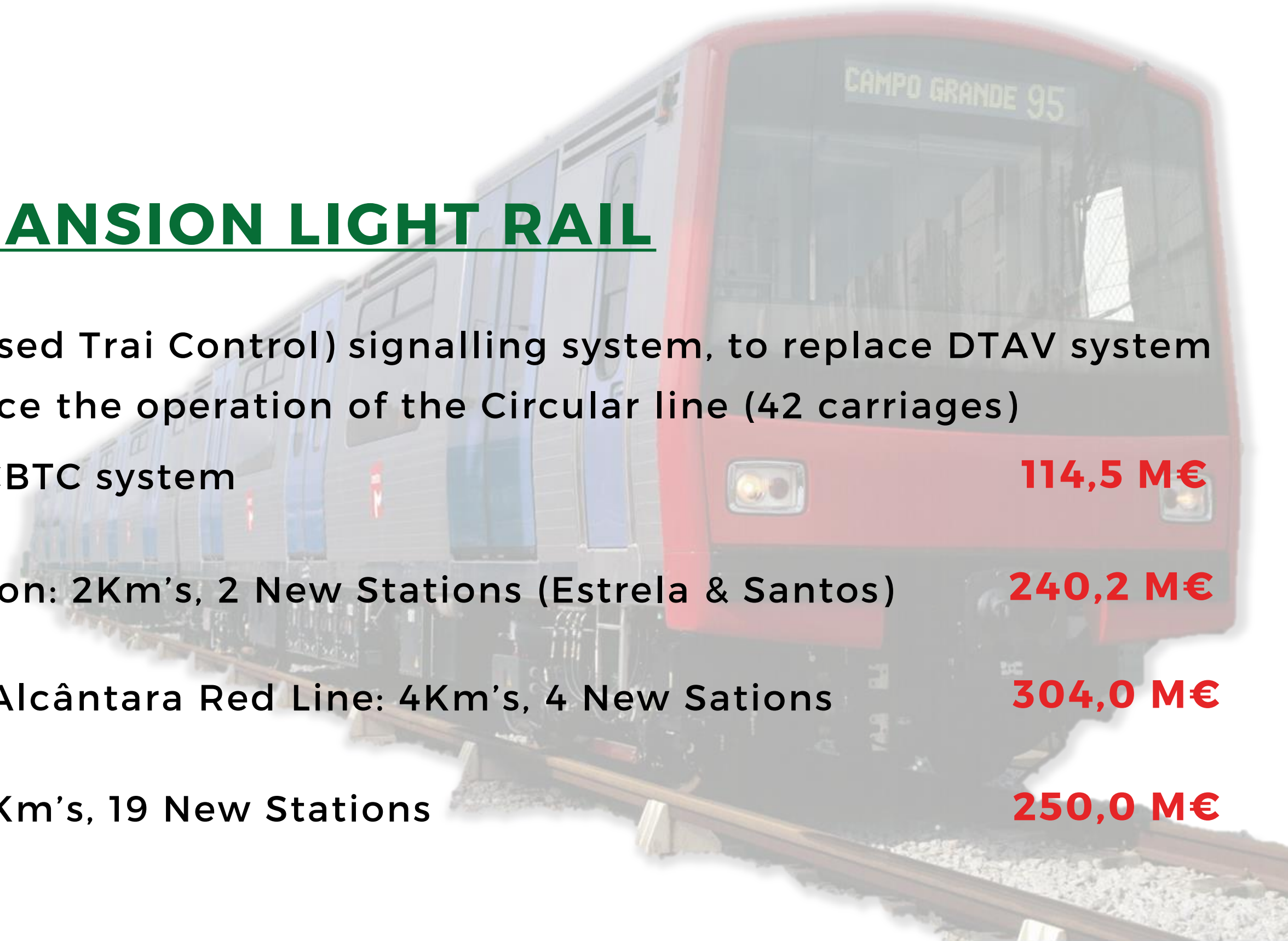
Call to be announced soon



Metropolitano de Lisboa

EXPANSION LIGHT RAIL

- New CBTC (Communications-Based Train Control) signalling system, to replace DTAV system
 - 14 new triple units to reinforce the operation of the Circular line (42 carriages)
 - Adapt 70 trains to the new CBTC system**114,5 M€**
- LINE Rato/Cais do Sodré Extension: 2Km's, 2 New Stations (Estrela & Santos) **240,2 M€**
- EXTENSION of the S. Sebastião/Alcântara Red Line: 4Km's, 4 New Stations **304,0 M€**
- LIGHT Rail Loures/Odivelas: 12,4Km's, 19 New Stations **250,0 M€**





Metro do Porto

EXPANSION LIGHT RAIL

- **EXTENSION YELLOW Line: Santo Ovídio – Vila D’Este**
3,15Km, 3 New Stations, New Maintenance Facility
- **NEW ROSE Line: 3Km’s, 4 New Stations**
- **NEW RUBI Line: 6Km’s, 7 New Stations, New Bridge crossing Douro River**
- **NEW BRT (Bus Rapid Transit) Line:**
- **Boavista Praça do Império/Boavista – Praça Cidade Salvador 7,9Km’s, 8 New Stations**
- **NEW Rolling Stock:**
22 Triple Units, 35 meters, bidirectional, attachable
12 BRT (Bus Rapid Transit) Green Hydrogen Units, 18 meter articulated
H2 production, storage and supply station

2.171 M€





PORTUGUESE RAILWAY
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NATIONAL PROJECTS
NATIONAL SKILLS,

INTERNATIONAL
OPPORTUNITIES

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AM FERROVIA

Construir Material Circulante em Portugal

REVITALIZATION of **Portuguese Railway Sector**

Rolling Stock Manufacturing in Portugal

PRR Mobilizing Agendas for Business Innovation



Financiado pela
União Europeia
NextGenerationEU

- New freight wagon design, manufacturing and certification   
- Universal integrated instrumentation system for freight wagons (new and retrofittable)
- Energy generation, storage and supply system
- Decision support application and predictive maintenance systems
- Low level driver support information system

SMARTWAGONS

Development of production capacity in Portugal for intelligent Freight Wagons

www.smartwagons.pt



PRR Mobilizing Agendas for Business Innovation



NATIONAL SKILLS

ROLLING STOCK

FROM RETROFIT TO NEW PRODUCTS

- Learning curve acquired to move up the value chain to new products and services
- Export the Retrofit knowledge
- Create Internal Retrofit Units for Export
- Identify potential partners to export for local industry.

INFRASTRUCTURES

CREATE INTERNATIONAL PARTNERSHIPS

- Access to international new markets
- Case-studies notebook with projects already carried out
- Identify anchor companies for cooperation
- Identify key markets internationally

OPERATION & MAINTENANCE

SYSTEMS & SERVICES

- Create local collaboration network around Anchor Companies & International Partners
- Promote and sell these skills worldwide

RETROFITING

- Economistic Motivations
- Green Bonds - Green Deal
- Circular Economy Compliance:
Obsolescent of rolling stock and
infrastructure
- Technological Update
- Promoting Greater European Mobility
- Extended Service Life

Portuguese National Competences

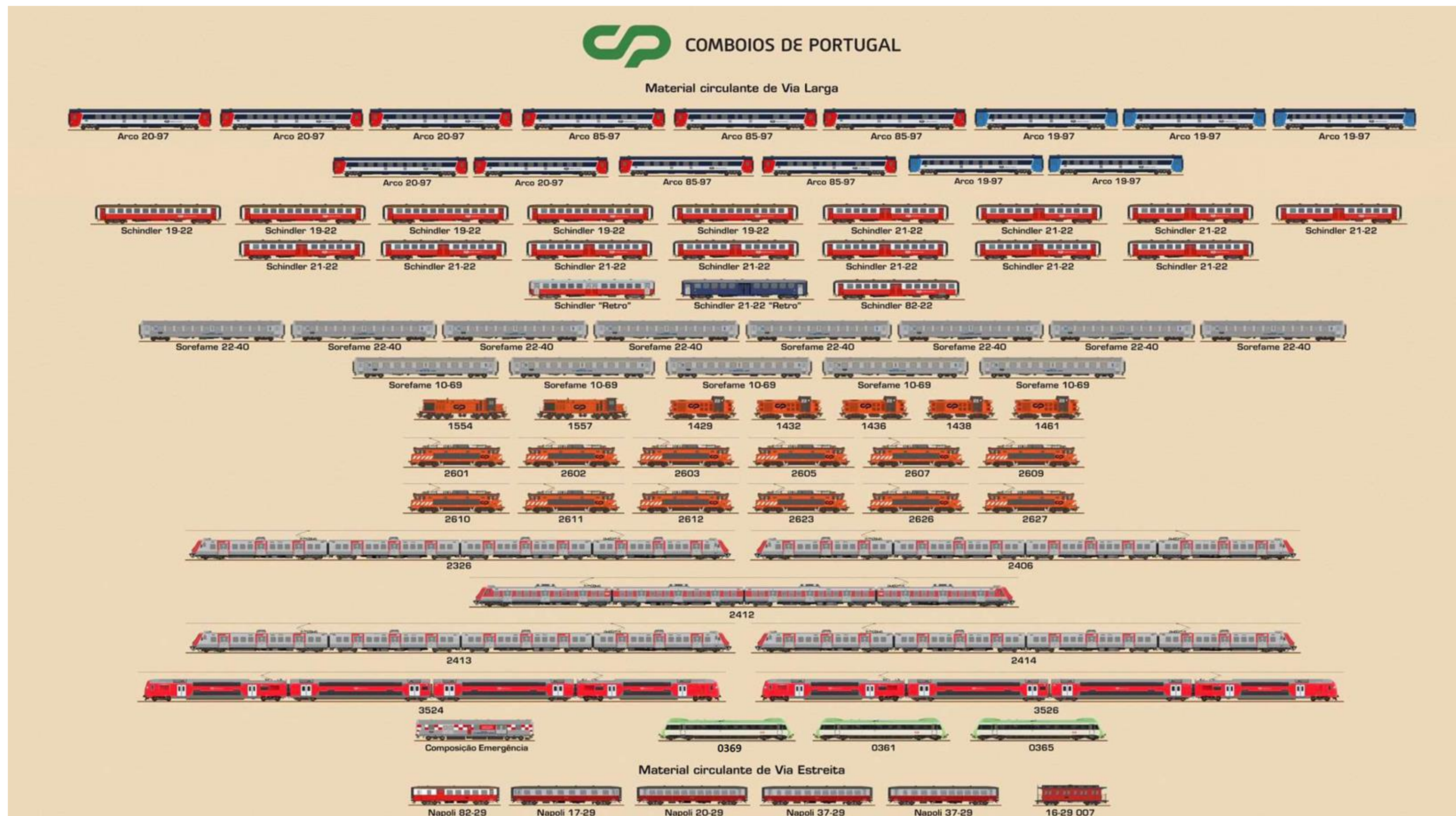
- Innate Skills
- Language Facilities
- Geographical Proximity
- Cultural Similarity
- Complementary supply chains



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RETROFITING

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Rolling Stock retrofited by CP Comboios de Portugal

ANCHOR COMPANIES

PESQUISA E SEGMENTAÇÃO DE MERCADO

- Leverage proven experience in the international market
- Recognition of Technical Competence
- Complementary areas for effective towing

AREAS OF EXPERTISE

- Railway Infrastructures: Design, Management
- Rolling Stock
- Command & Control
- Signage
- Cybersecurity

PORTUGUESE NATIONAL COMPETENCES

- Clustering Competencies
- "National Team" work
- SME's Leverage



PLATAFORMA
FERROVIÁRIA
PORTUGUESA



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THANK YOU !

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