

Occitanie

RAIL INDUSTRY





MAJOR RAIL PROJECTS IN OCCITANIE

OCCITANIE DRIVING THE RAIL INDUSTRY WITH COMMITMENT AND SUPPORT

As the public transport authority, the Occitanie Region has ambitious plans to advance green train travel and implement innovative, proactive pricing strategies.

- **Innovating Solutions for better Service:**

€1 train tickets | Reduced fares for frequent travellers | Free travel for young people | Easy two-click ticketing with liO+

- **Transport Decarbonisation as a Priority:**

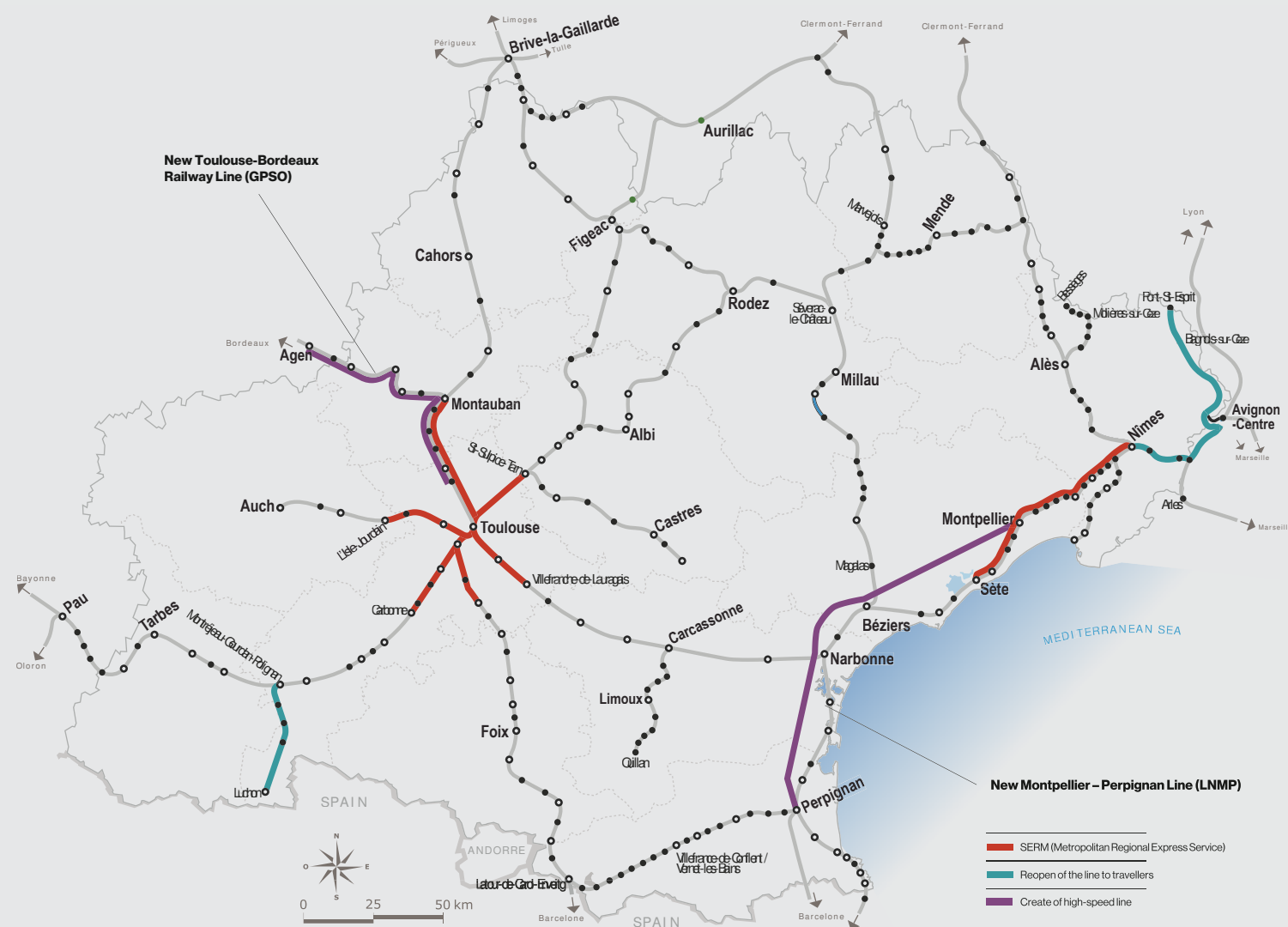
Battery-powered trains | Hydrogen fuel technology | Hybrid systems | Eco-driving training

- **A Public Transport Authority with Great Ambition:**

- o Signing of the Regional Trains 2023-2032 agreement with SNCF
- o Targeting 100,000 daily train travellers by 2030

- **"Plan Rail 2020-2030":**

€800 million investment for over 10 years to improve the exciting railway network and reopen local rail services



THE RAILWAY INDUSTRY IN OCCITANIE

10,000 employees
(excluding SNCF staff)

Over 100 businesses

3 major manufacturers:
Alstom, CAF and Siemens

- Alstom:
Tarbes (65): Manufacturing traction systems for rolling stock
Toulouse (31): Designing electrical engineering

- CAF (Spanish group)
Bagnères de Bigorre (65): Assembling tramways and refurbishing railway rolling stock.

- Siemens Mobility
Toulouse (31): Worldwide headquarter for automatic light rail activities

THE OCCITANIE RAIL INDUSTRY ECOSYSTEM

A Fully Integrated Ecosystem for Rail Industry Excellence

Our regional companies strategically operate across the entire value chain.

Infrastructure

- Rail Operations
- Signalling
- Maintenance
- Stations, Multimodal connections

Rolling Stock

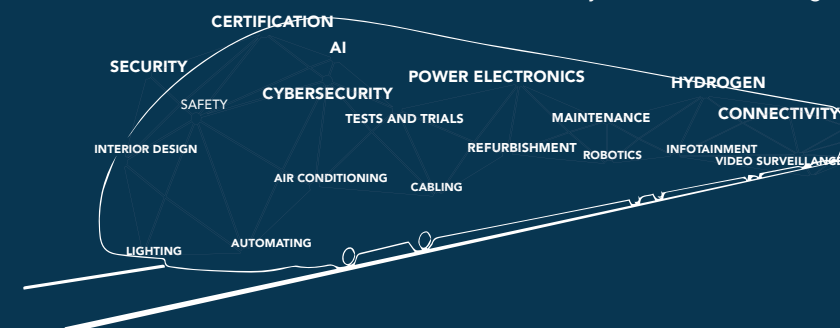
- Vehicles
- Vehicle structure
- Vehicle Maintenance, Repair and Refurbishment

On-board Systems

- Traction systems / Energy
- On-board equipment
- Vehicles interior fittings

Embedded Systems: Expertise at the Core of our Region

A significant portion of regional businesses excel in:
Traction systems - Energy management
Electrical engineering - Vehicles interior fittings.
This expertise is supported by a globally renowned research ecosystem based in our region.



An Industry Structured Around Cluster TOTEM

The Occitanie Region thrives as one of four French regions with a dedicated rail industry cluster: TOTEM.

Cluster TOTEM brings together businesses, laboratories and training centres, fostering partnerships across the automobile, rail and maritime industries. With 160 members representing 50,000 jobs in Occitanie, it drives innovation and collaboration.

www.clustertotem.fr

**CLUSTER
TOTEM**

OCCITANIE, A POOL OF TALENTS AND EXPERTISE

World-Class Universities and Academic Institutions for Mobility Industries

The Occitanie Region boasts an unparalleled ecosystem dedicated to the mobility industry, encompassing aerospace, space, automobile and rail sectors. Numerous academic institutions and renowned international research centres are driving the development of smart, connected, and sustainable vehicles.

World-class Universities and Schools:

- **IMT Mines** (Albi and Alès)
- **INP-ENSEEIH** (Engineering University specialising in Digital, Energy and Environment)
- **INSA**
- **Toulouse Universities**
- **Tarbes University of Technology (UTT)**
- **Campus des Métiers et des Qualifications (CMQ)** (Mobility / Smart Transportation)

Regional Research Centres

- **CEA Tech:** Innovation Accelerator for Industry
- **CIRIMAT:** Academic and Engineering Research Centre for Materials
- **Clement Ader Institute**
- **IES:** Montpellier Research and Academic Laboratory for Electronics, Microelectronics, Optoelectronics and Systems
- **IMFT:** Institute of fluid Mechanics
- **IRIT:** Toulouse Institute of Computer Science Research

- **IRT Saint-Exupéry:** Institute of Technological Research
- **LAAS / CNRS:** Laboratory of System Analysis and Architecture / National Scientific Research Centre
- **LAPLACE:** Laboratory of Plasma and Energy Conversion
- **LIRMM:** Montpellier Laboratory of Computer Science, Robotics and Microelectronics
- **MIDOC:** Occitanie's Multi-disciplinary Federation of Laboratories for Smart and Sustainable Mobility
- **PRIMES:** Research and Innovation Platform for Mechatronics, Energy Management
- **RHYO:** Occitanie's Hydrogen Research and Innovation Cluster
- **Technocampus Hydrogène:** European Centre for Green Hydrogen Research, Testing and Innovation

OCCITANIE, A VISIONARY REGION LEADING MAJOR RAIL DEVELOPMENTS

Infrastructure

- **2,600 km** of Rail Tracks
- **High-Speed Railway Network Expansion: €16 billion investment**
 - o Creation of high-speed line between Bordeaux and Toulouse (GPSO), due in 2032
 - o Construction of a 150km high-speed rail line between Montpellier and Perpignan, with the first phase (Montpellier to Béziers) scheduled for completion by 2034
- **The Occitanie Rail Plan: €1.6 billion investment**
 - o Refurbishing the regional network
 - o Occitanie Region to assume operations of two local rail services
 - o Reopening of rail lines, including the Montréjeau-Luchon route in 2025
- **Urban Network Expansion: €4 billion investment**
 - o Creation of a third subway line in Toulouse (27km) to be delivered by 2028
 - o Creation of a new 16 km tramway line (line 5) and a 1.5 km expansion of an existing tramway line (line 1) in Montpellier, with delivery by the end of 2025
- **Metropolitan Regional Express Train Service**
 - o State-endorsed projects in Toulouse and Montpellier
- **Regional Rail Equipment Maintenance Centres**
 - o In Toulouse, Nîmes and Narbonne (Currently underway)

Rolling Stock

- **Regional Trains Fleet**
 - o 197 trains in the existing fleet, with 18 additional trains ordered
 - o Mid-life refurbishment of 83 AGC trains from 2023 to 2030
 - o Green rail initiatives: featuring three dual-mode electric/hydrogen trains, a hybrid train, and a battery-operated train
- **Urban Network Fleet**
 - o Existing fleet
 - Toulouse: 131 subway trains and 24 tramway trains
 - Montpellier: 86 tramway trains
 - o Future Fleet Expansion
 - 77 Urbos trains from CAF for the Montpellier tramway network
 - 28 trains with 2 to 3 coaches from Alstom for Toulouse's to the new 3rd Subway line
 - 9 Citadis trains from Alstom for the Toulouse tramway network





UNLOCK YOUR BUSINESS POTENTIAL IN OCCITANIE!

Home to **6 million** inhabitants,
Occitanie is the most attractive
French region for young people
under 20.

Over **2,000 foreign
businesses** operate in Occitanie

In 2023 alone, **136 international**
investment projects created 6,847 jobs

Occitanie is the **most dynamic
region for R&D** dedicating 3.7% of its
GDP to this sector

The region **ranks second** in France for
R&D and engineering employments

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