

New Technical and Operational Tramway Center



Our strenghts

- Optimal performance of the equipment
- Safety of access for trams
- Compliance with the building's architecture
- Adherence to standards imposed by railway regulations
- Compliance with the defined schedule
- Fire safety

The French region Loire-Atlantique, the new technical and operational tramway center of the public transport network stands as a technological and architectural monument. With its vast workshop of 12,000 m² inaugurated in summer 2025, this new building will enable the simultaneous repair of 17 new-generation tram sets and will house a new corporate and administrative headquarters on the same site.

To meet the specific needs of this new facility, Portalp was selected to lead the site management and carry out the installation of a range of industrial doors, including 24 accordion doors for tram access in partnership with the Italian company Moreschi, 4 internal rapid-lift doors, 3 sectional doors, 1 rolling shutter, and 2 gravity fire doors.

The teams demonstrated exceptional capability in effectively coordinating operations between the tracks and overhead lines, while meticulously adhering to railway constraints (high voltage) as well as the deadlines that had been set for them.

COUNTRY: France

REGION: Loire-Atlantique

MARKET: Industrial

SOLUTIONS: 24 accordion doors, 4 rapid-lift doors, 3 sectional doors, 1 rolling shutter, and 2 gravity fire doors.

PROJECT DURATION: 2 years

FUNCTIONAL REQUIREMENTS:

- Customized implementation
- Compliance with the building's architecture
- Significant coordination between the tracks and the overhead lines
- Mastery and adherence to the schedule
- Largest tramway technical center in France

Provided Solutions:



24 Glass Accordion Doors

- Dimensions: 5,500 x 67,000 mm
- Central cutout for overhead line passage
- Double glazing with solar factor



4 Self-Repairing Rapid-Lift Doors

- Dimensions: 4,460 x 4,500 mm
- Impact protection
- Polyester curtain 1,300 g/m²
- Galvanized steel structure
- Technical Data:
Wind resistance class 3



1 Sliding Rolling Shutter

- Dimensions: 4,000 x 2,500 mm
- Automatic
- Mixed slat: solid slat and vision slat



2 Gravity Fire Doors

- Dimensions: 4,000 x 2,500 mm
- 1 leaf with a thickness of 82 mm made of galvanized steel
- 2 panels in height and modular in width
- RAL lacquered finishes
- Sequential damper

3 ISO Sectional Doors

- Dimensions: 3,000 x 2,500 mm
- Exterior appearance: smooth with micro-ridges
- 2 heights of glazed aluminum sections
- Coating of the glazed sections
- Technical Data:
 - Wind load resistance class 3
 - Water infiltration resistance class 2
 - Air permeability class 2
 - Sound insulation
 - Activation: control box with surface-mounted button
Emergency stop button