



COLAS RAIL

TSO  
CATÉNAIRES

# COLAS RAIL AND TSO CATÉNAIRES

continue the industrialisation  
of catenary regeneration with  
the 1,500 high output renewal  
train

**The 1,500 V high output catenary renewal train developed for SNCF Réseau by COLAS RAIL, TSO CATÉNAIRES and the manufacturers Geismar and Novium, has been proving its effectiveness since January 2022 on a new project carried out between Fleury-les-Aubrais and Beaugency.**

Put into production in June 2021, the 1,500 V high output catenary renewal train is unique worldwide. It is based on two very innovative specific factory trains and on industrial iso picketing, a concept unpublished until then in the renovation of catenaries.

The progress report on the work in progress in Loiret, on the railway line linking Fleury-les-Aubrais station to Beaugency station, is very positive. It confirms that this high output renewal train makes it possible to regenerate 1,500 V electrified lines on a large scale thanks to significant productivity gains compared to conventional renovation (the intervention time is divided by 4).

The 1500 V high output catenary renewal train also enhances the safety and quality of work, which is further characterised by great attention to social and environmental responsibility. With this second high output renewal train, as with the 25,000 V high output renewal train which has been in operation since 2019, COLAS RAIL and TSO CATÉNAIRES, united as an integrated consortium, continue to successfully implement the 2019-2026 catenary renovation programme launched for SNCF Réseau, including achieving 100% of performance goals set by their client. In 2022, 1,500 catenary supports and their fittings should be renovated using the 1,500 V high output renewal train.

On the Fleury-les-Aubrais/Beaugency site, COLAS RAIL, TSO CATÉNAIRES and SNCF Réseau are also asserting their partnership dynamic. This partnership, which has been based from the outset on close collaboration, extreme standards and a continuous improvement approach, contributes to the emergence of new levers of progress to meet the future needs of catenary renovation.

# About



Colas Rail, the railway subsidiary of the Colas Group, participates in the design, financing, and project management of the major transport infrastructures (track works, overhead lines, signalling, ventilation, smoke extraction, commandcontrol, freight, etc.) in France and on international markets through its projects and specialised businesses. Colas Rail, which has a workforce of 5,600, boasts 12 different areas of expertise and represents 28 subsidiaries/offices worldwide. The company posted turnover of €1,12 billion in 2021, of which 68% produced internationally. More info on [www.colasrail.com](http://www.colasrail.com)

**Press contact:**

**Manon Colombe**

**+33 (0)7 63 53 22 18**

**[manon.colombe@colasrail.com](mailto:manon.colombe@colasrail.com)**

## **TSO CATENAIRES**

NGE GROUP

TSO CATENAIRES is a subsidiary of TSO specialized in electrification and catenary upgrades. Subsidiary of NGE, TSO puts its expertise, since more than 90 years in France and abroad, to all rail infrastructure and railways systems (track construction, renewal and maintenance, electrification and catenary upgrades, survey and rail software development, rail safety, rail signalling...). TSO's priorities is on innovation, and it favours the search of those involved. The development of synergies between its own area of expertise and the complementary professions of NGE, enabling the Group to offer a self-delivery service for the most technically demanding projects.

**Press contact:**

**Eloi Fouquoire**

**+33 (0)6 76 77 11 56**

**[eloi.fouquoire@gmail.com](mailto:eloi.fouquoire@gmail.com)**

## Key figures to remember

—

**1** unique high output  
renewal train worldwide

—

**1500**  
catenary supports  
and fittings to be  
regenerated in  
2022

—

A renovation

**4 times  
faster** than with  
conventional  
renovation tools and  
methods

## To read to go further

→ **High output  
catenary renewal  
trains, a major  
innovation**

→ **The 1,500 V  
catenary renewal  
train, a unique  
high output train  
worldwide**

→ **The industrial  
renovation of  
catenaries  
between Fleury-  
les-Aubrais and  
Beaugency, a  
success**