

PRESS RELEASE

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TSO CATENAIRES is a contributor to the successful industrial-scale SNCF catenary regeneration programme using its new high-speed operational sequencing technology.

Working in partnership with their customer SNCF Réseau and two manufacturers, TSO CATENAIRES and COLAS RAIL have succeeded in scaling up the catenary regeneration process with the development of a major new innovation: high-speed operational sequencing.

To succeed in this technical and human challenge, the two companies have devised a unique solution. Breaking with the traditional methods of working with rail/road machines, they piloted the creation of two high-speed operational sequencing trains: one for 25,000V lines, and the other for 1,500V lines. This innovation uses two special factory trains designed and developed specifically for this project in conjunction with two rail equipment manufacturers. Each train is a sequence of mobile workshops dedicated to specific tasks that are carried out simultaneously and in sequence for each catenary support to complete every stage of the regeneration process.

Key figures for this project:

- €30 million invested in the project by the consortium
- 3 times faster
- 100 km of catenaries regenerated in under 140 days

ABOUT TSO: Building on 95 years of experience in France and internationally, TSO puts its expertise to work on rail infrastructures and systems (rail network construction, replacement and maintenance, electrification and catenary upgrading, topography and rail software development, rail safety, etc.). In its commitment to innovation, TSO focuses its research on delivering improvements that combine quality with service efficiency and personnel safety. The development of synergies between TSO specialist sectors and the complementary disciplines of NGE allows the Group to offer a comprehensive package of products and services to its markets.

Find out more at <https://tso.fr>

ABOUT NGE GROUP: In France and around the world, the teams of NGE serve communities, regions and countries by designing, constructing and refurbishing infrastructures and buildings. The expertise and team working skills of the Group's more than 12,000 men and women give them the confidence to embrace and anticipate the changing nature of the jobs they do, and work closely with their customers. Reporting annual revenue of €2 billion, NGE is an independent French civil engineering company involved in the construction of major infrastructure projects, urban development programs and local development schemes in France and abroad.

Find out more at <https://nge.fr>

Press Contact: Eloi Fouquoire, eloi.fouquoire@gmail.com +33 (0)6 76 77 11 56