



PRESS RELEASE
CHELLES - JULY 31, 2020



CROSSRAIL PROJECT (UK): DELIVERY OF THE PLUMSTEAD RAIL DEPOT

TSO, a railway subsidiary of NGE and a member of the ATC consortium (Alstom, TSO and Costain) has completed work on the railway maintenance depot in Plumstead. This depot, providing key infrastructure for the Crossrail project (the future underground line, crossing London from west to east), is now entering the dynamic on-track certification testing phase, prior to commissioning of the line.

The maintenance depot will service the equipment required to maintain the railway systems on the future Elizabeth line. It also includes accommodation buildings for maintenance personnel.

This infrastructure includes eight sidings for passenger trains.

The works relating to the railway depot began in September 2018 and at peak times involved up to 120 TSO employees.



With its multi-expertise teams, TSO and its partners completed:

- **Track works:** laying of the ballast track (4.5km) and special tracks (0.5km)
- **Installation of 3.5km of catenary** (25kv)
- **Installation of electrical networks (lighting and CCTV):** 4kms of cable routing
- **Civil engineering works:** construction of access platforms to trains and 2000m² of concrete slabs for the storage of spare parts (track devices, rails, sleepers, cables, etc.), road works, drainage of surface water (5km), creation of security fences, refuelling system
- **Construction of three buildings:** a main building dedicated to maintenance teams (1000m² on the ground, two floors), a building dedicated to work trains (1000m² on the ground), a building dedicated to train cleaning teams
- **Training** the teams of the future site user



Crossrail is a cross-city rail network serving Greater London. It will provide new, fully-automated and high-capacity underground rail infrastructure, crossing London from east to west. The renamed Elizabeth Line will come into service next year.

TSO and its partners installed the tracks, the catenary and the electromechanical services for Crossrail. TSO laid five different types of railway tracks, using innovative work equipment, including a concrete train, multi-purpose gantries, etc.



We hear from...

GILLES PHILIBERT,
TSO MANAGING DIRECTOR,
MAJOR PROJECTS & INTERNATIONAL BUSINESS

I am pleased that TSO has successfully achieved this new milestone in multi-expertise work as part of the extraordinary Crossrail project. This success, which was appreciated by our client, demonstrates TSO's commitment and our desire to develop in the United Kingdom.



Plumstead Depot key figures

- Ballast track: **4.5km**
- Catenary: **3.5km**
- Electrical networks (cables): **4km**
- Construction: **3 buildings**
- Civil engineering: **2000m²** of concrete slabs

ABOUT TSO

TSO, a subsidiary of the NGE Group, is one of Europe's leading companies in rail infrastructure and railways systems. Thanks to its exceptional know-how, its unique industrial resources and the international expertise it has acquired over more than 90 years, TSO fully satisfies the needs and expectations of their customers. The company designs, builds, renews and maintains railway infrastructures by prioritising innovation and fully utilising its own areas of expertise. TSO and its subsidiaries have an annual turnover of 440 million euros and employ approximately 3,500 professionals worldwide.

Find out more at www.tso.fr

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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 12,600 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 €2.5 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 in 12 countries internationally.

Find out more at www.nge.fr