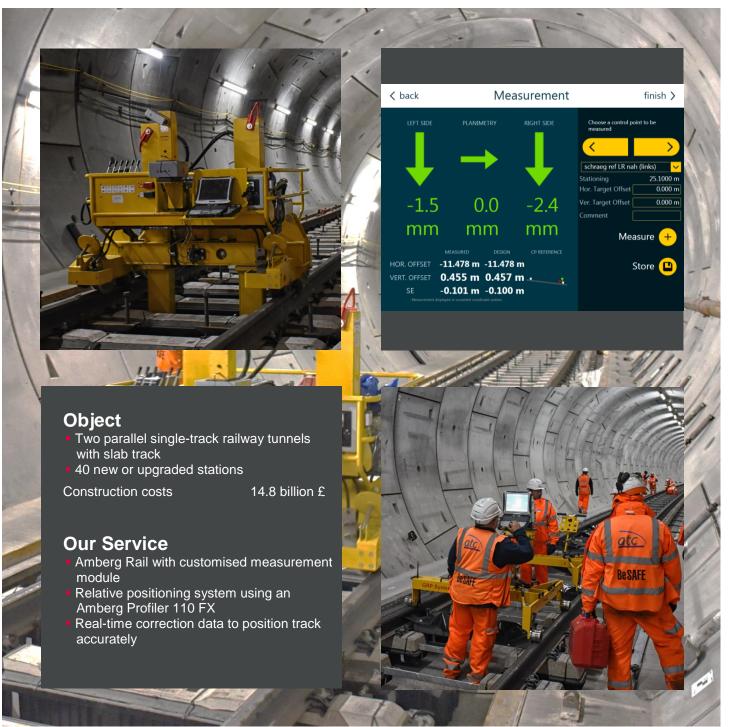


Crossrail project, London, UK

The Crossrail project is currently Europe's largest infrastructure project. Goal of the project is the creation of a new railway line starting in the west of London (Reading / Heathrow) and ending in the east (Shenfield / Abbey Wood).

The railway line consists of 42 km of new tunnels with 10 new and 30 existing / upgraded stations. The new line will be fully integrated with London's existing rail and metro network. Once in service in 2018 the line will be called "Elizabeth line" and is estimated to transport 200 million passengers per year.





Construction of new railway line

Location

London, UK

General Information

Railway tunnel length 2 * 21 km Excavation method TBM Station tunnel length 14 km Excavation ~7 million tons of material

2018

Commissioning Passengers 200 Million per year

Challenges

- Demanding schedule makes it necessary to speed up the construction process
- Replace conventional methods with a reliable and accurate semi-automatic positioning system

Tasks

- Rough positioning of track 10 mm below design with Fassetta LNR track lifting machine using a customised Amberg positioning system
- Fine positioning of track with the Amberg VMS 1000 twin trolley system

Client and Contact Person

TSO as part of the joint venture atc



Amberg Technologies Ltd. Trockenloostrasse 21 CH-8105 Regensdorf

info@amberg.ch, www.amberg.ch/at