



## South Europe Atlantic High Speed Railway Line (Tours – Bordeaux)

Linear Infrastructures

2011 - 2014



FRANCE

Client

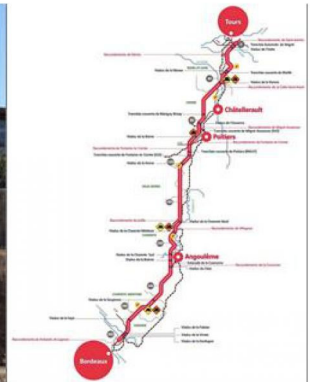
COSEA - SGI

Project owner

LISEA

Miscellaneous

High Speed Railway Line:  
302 km,  
500 civil Engineering  
structures



### Description of the project

The Tours-Bordeaux South Europe Atlantic (SEA) HSL is the first High-Speed Line project based on the Public- Private Partnership (PPP) model in France. It will involve 340 km of new line, including 302 km of high-speed line and around 40 km for connection to the existing line. With the aim of commissioning in 2017 for a concession period of 50 years, various preparatory works and studies necessary for the first construction operations have been underway since 2010.

### Key features

- Design of standard civil engineering structures
- Design of 4 viaducts
- Design of the foundations for a retention tank
- Design of soil reinforcement for a large embankment on soft soils

### Description of the mission

TERRASOL has been taking part in this project since the summer of 2011 on several geotechnical construction missions (G3) to assist various teams in the design and construction sub-group COSEA:

- Standard (52) and specific (4) civil engineering structures of section B (work sections 3 & 4);
- Viaducts (4) with prefabricated segments crossing the Auxance, the Indre and the Claix rivers (with taking into account of the karstic context);
- Hydraulic retention tank in Ambarès-et-Lagrave;
- Soil reinforcement under the Dordogne Valley embankments.

#### terrasol

Immeuble central seine  
42 - 52 quai de la rapée  
75583 Paris cedex 12 France  
Tél +33 1 82 51 52 00  
Fax +33 1 82 51 52 99  
info@terrasol.com