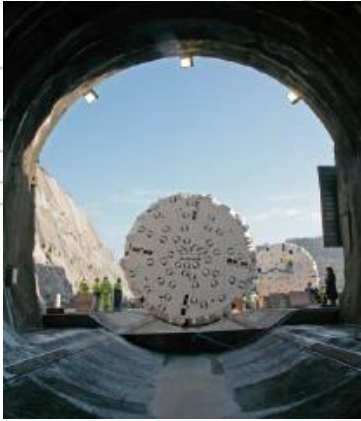




- Significant experience in **High Speed, Metro Rail** and **Conventional Rail** projects.
- Have **laid over 1,800km** of track
(1,100km High Speed, 150km Metro Rail and 550km Conventional Rail)
- Have **completed €9.5bn** of rail projects
(€6.5bn High Speed, €1.9bn Metro Rail and €1.1bn Conventional Rail)
- Constructed more than **30.5km of viaducts**
(28km High Speed, 0.3km Metro Rail and 2.2km Conventional Rail)
- Excavated more than **183km of tunnels** of which **153km using TBMs**
(146km High Speed, 28km Metro Rail and 9km Conventional Rail)
- **Maintain 1,347km** of high speed track and **2,738km** of Iberian Gauge rail to date.



High Speed Rail Experience



Atocha-Chamartin

Completion: Under Construction
 Total Length: 7.3km
 Description: Connects High Speed Rail lines that come into both Atocha and Chamartin (both Central Madrid Stations).

- 28 year track record of delivering High Speed Rail.
- Have delivered over 1,100km of High Speed Rail track in Spain alone, both building and maintenance.
- Spain is 3rd globally for the length of high speed rail network delivered, behind China and Japan.
- Constructed 31.8% of Spain's High Speed network.

Madrid-Valladolid

Completion: 2008
 Total Length: 88km
 Description: Included 38.5km of tunnels and 2km of viaducts.

Madrid-Barcelona

Completion: 2008
 Total Length: 185km
 Description: Included 16.6km of tunnels and 11.6km of viaducts within this section of the project.



Atlantic Axis Line

Completion: Under Construction
 Total Length: 131.6km
 Description: Construction included 27.6km of tunnels and 7.1km of viaducts.



Mediterranean Corridor Line

Completion: 2012
 Total Length: 138.7km
 Description: Construction of Almeria-Murcia line that included the 7.9km Sorbas Tunnels.



New Access Line to Asturias

Completion: 2009
 Total Length: 37km
 Description: Included the construction of the double tube Pajaras Tunnels.



Madrid-Zaragoza Line Maintenance Contract

Total Length: 347km
 Description: Infrastructure, track and diversion maintenance for the line.



Madrid-Extremadura-Portugal Line

Completion: Under Construction
 Total Length: 6.2km
 Description: Construction of the Alcántara to Garrovillas section of the line.



Madrid-Adamuz & La Sagra-Toledo Maintenance Contract

Total Length: 337km
 Description: Infrastructure, track and diversion maintenance for the line.



Santa Justa Station, Sevilla

Completion: 1992
 Description: 12 track station providing High Speed rail services.



La Sagrera Station, Barcelona

Completion: 2014
 Description: Construction of the accesses of all the track and high speed track that enter and exit the station.



Atocha Station, Madrid

Completion: 2009
 Description: 100,000sqm development. Highest passenger numbers in Spain.



Girona Station

Completion: 2012
 Description: Construction of a 55m wide station designed with 450m long platforms for double train compositions.



Delicias Station, Zaragoza

Completion: 2003
 Description: 6th largest station and largest covered space without support columns in Spain.



Vigo-Urzaiz Station, Pontevedra

Completion: Under Construction
 Description: Construction of a station on the site of the previous with 6 tracks all having 400m long platforms.



- Valuable know-how acquired in Spanish High Speed.
- Part of a JV with strong local partners.
- Already working in the UK.
- Because we have constructed and are maintaining part of the network we can tackle issues beforehand.
- Strong in-house design capabilities.
- Determined to incorporate key senior staff with high speed expertise into our HS2 team.
- Successful track record of cooperation with main Designers and Architects in the context of high speed.
- Innovative solutions developed in collaboration with our client and designers, including several world records in high speed as the Almonte viaduct (longest span for a railway arch bridge in the world)