edilon)(sedra HSTS
Heavy rail Slab Track System

**Location**  Bilbao, Spain

**Project**  Olaveaga Tunnel. Bilbao-Balmaseda Line (freight and passenger trains)

**Length**  240 m double track

**Application**  2008

**Rail profile**  1:20 inclination 60E1 rails

**Details**  edilon)(sedra HSTS offers a significant reduction in construction height, which made the tunnel suitable for a catenary system. Can be installed both prefab and in-situ.

**Target**  Electrification and refurbishment of tunnel by replacing old ballasted track by edilon)(sedra HSTS. Vertical gauge improvement by approximately 40 cm in order to apply postum catenary system. Accessibility for emergency vehicles. Short construction period.

**Client**  FEVE. Spanish Railtrack Administration

Always a step ahead in rail systems!
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edilon)(sedra vision and mission points:

*>( Tailor-made solutions for railways and urban transit
*>( Manufacturer of “n&v products” developed in our R&D lab facilities
*>( Your partner for DCM-projects (Design Construct Maintain)
*>( Decades of practice-proven products and technology

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