ERTMS/BSL3 Project

The SeRoBe (Streckenertüchtigung Rostock-Berlin) project will equip the German railways line between Rostock and Berlin with the new European signaling system ERTMS/ETCS Level 2, Baseline 3, overlaying the existing PZB national train protection system.
The existing PZB system will not be dismantled as it remains the backup for the new signaling system. The works on the line are subdivided into three equipping stages: Hitachi Rail STS is currently completing the first two equipping stages (12/2016).

**Main characteristics:**
- Total length of approx. 180km
- 1 Radio-Block center (RBC)
- ~1200 balises (both of switchable and non-switchable types)
- 10 Line-side Electronic Units (LEU’s) which manage 10 level-crossings with protection signal, according to a decentralized solution for ETCS
- 1 link to a proprietary Operator’s interface
- 2 links to LANCOPs for RBC-IXL interface.

**Lot AS2 – Scope of Work**

- Equipment of lot AS2 with ETCS Baseline 3 (Subset-026, v.3.3.0), according to BTSF3, version 1.6
- Connection of RBC to second LANCOP (IXL) in UZ Fürstenberg for lot AS2
- Connection of RBC to integrated ETCS MMI in BZ Berlin
- Delivery of KMS system
- Update of D&M of RBC with access policy according to new requirements
- PT2 documentation for HW layouts LEU2G, cable plans, cable guides and balise telegrams
- Installation activities for cable shafts, cables and LEUs for level crossings
- Installation of all balises for lot AS2
- Integration tests with On-board system Baseline 3 (Siemens) as well as with Interlocking (Thales) in laboratory for AS2
- Integration tests with On-board system Baseline 3 (Siemens) as well as with Interlocking (Thales) in field for AS2

**Description of the line and main characteristics 1/2**

**Description of the line and main characteristics 2/2**

**Main Characteristics**

**German Customer**
- DB AG

**Line Length**
- Length of lot AS1: 43.18 km
- Length of lot AS2: 137.1 km
- Length of lot AS3: 3.70 km

**RBC**
- Number of RBC: 1

**IXL**
- Number of LANCOP: 2

**Trains**
- No authorized ETCS train Baseline 3 on German lines present yet

**System Parameters**
- Signalling technology: ETCS, Baseline 3, Level 2
- National Signalling technology: PZB
- Number of level crossings: 11