

Our worldwide experience in ERTMS includes the following projects:

Finnish ERTMS Strategy Project, Finland

AlpTransit Gotthard Project, Switzerland

London Crossrail Project, United Kingdom

HSL Zuid High Speed Line, The Netherlands

Saudi Landbridge Project, Saudi Arabia

AlpTransit Lötschberg Project, Switzerland

EURO-INTERLOCKING Project, UIC

PULS 90 ERTMS Project, SBB AG

HSL 4 High Speed Line, Belgium

Life Cycle Costs for Signalling Systems, SBB AG

New Mattstetten-Rothrist ERTMS Line, Switzerland



ECaB The ERTMS Costing and Benchmarking Programme



Are you concerned about high ERTMS costs?

ECaB
Our Solution for you:
The ERTMS Costing & Benchmarking Programme



When it comes to implementing ERTMS, railway organisations face many crucial issues.

The ERTMS Challenges

- Do you feel you are paying too much for ERTMS compared to other railways?
- Do you feel there is a lack of transparency in costs of implementing on-board systems?
- Is there a clear, cost-efficient migration strategy for ERTMS in your organisation?
- Do your suppliers have a cost-efficient strategy to upgrade your ERTMS systems to new, upcoming SRS versions?
- Do you feel that the supplier systems are truly interoperable?

Typical Key Decisions

- Do you know for every single segment of your network which ERTMS Level to implement and why?
- What are the benefits of ERTMS Level 2?
- Should Level 2 be realised with or without signals?
- Do interlocking systems really need to be replaced when implementing ERTMS?
- What are the implications of SRS upgrades for rolling stock operators?
- How will your organisation calculate the life cycle costs of ERTMS systems?

Features of the ECaB Programme:

Through the ECaB Programme, SRE can support you with the following services:

- **Benchmark** your ERTMS costs in detail to other railway organisations.
- Provide you with **detailed cost estimates** for infrastructure & rolling stock ERTMS systems based on experience from across Europe.
- Support the development of your network-wide **migration strategy**, focussing on the protection of your past investments.
- Develop a clear strategy and processes for your organisation for **upgrades to new SRS versions**.
- Provide you with experience, know-how and solutions concerning the **interoperability of supplier systems**.
- Provide detailed **cost estimates** and **benefits analysis** for implementing Level 1 & Level 2 based on the operational requirements for each of your network segments.
- Offer you **alternatives** to the expensive replacement of interlocking systems.
- Provide you with detailed **ERTMS life cycle cost modelling**, based on system experience worldwide.

At Swiss Railway Engineering, we help you to keep ERTMS costs under control!