



## Reference projects: Control and command systems

### **Wayside and On-board:                      Signalling, interlocking, train control, train protection systems**

---

**Client:** Bombardier Transportation (former ADtranz)  
**Project Description:** Assessment of MCDS generic product, generic application, different specific applications  
**Project Location:** Germany

**Client:** Bombardier Transportation (former ADtranz)  
**Project Description:** Assessment of remote control system for interlocking systems in Austria  
**Project Location:** Germany

**Client:** Bombardier Transportation  
**Project Description:** Assessment of train protection system (type TIGRIS)  
**Project Location:** Germany, Sweden

**Client:** Schweizer Electronic AG  
**Project Description:** Assessment of interlocking system  
**Project Location:** Swiss

**Client:** BBR  
**Project Description:** Assessment of the interlocking system, specific applications - different lines  
**Project Location:** Germany

**Client:** Alcatel SEL  
**Project Description:** Safety Management/ Engineering support interlocking system  
**Project Location:** Germany



Rail

**Client:** Rete Ferroviaria Italiana S.p.A / Ansaldo  
**Project Description:** Assessment of the Ansaldo ACS interlocking system  
**Project Location:** Station: Roma Termini, Italy

**Client:** Rete Ferroviaria Italiana S.p.A  
**Project Description:** Assessment of train protection system (type: SCMT, wayside and onboard equipment, different manufacturer)  
**Project Location:** Italy

**Client:** Railtrack UK / Ansaldo  
**Project Description:** Assessment of the ACS interlocking system  
**Project Location:** Station: Manchester, UK

**Client:** Government of the region Alto Adige, Italy  
**Project Description:** Assessment of the complete signalling/train control system, Ansaldo equipment  
**Project Location:** Line Merano – Malles, Italy

**Client:** Various manufacturers  
**Project Description:** Assessment or Validation of level crossing systems  
**Project Location:** Europe

**Client:** Railcert B.V.  
**Project Description:** Assessment of train protection system for Highspeed Line HSL Zuid  
**Project Location:** Netherlands

**Client:** Knorr-Bremse  
**Project Description:** Assessment of brake control system  
**Project Location:** Germany, UK

**Client:** Alcatel SEL  
**Project Description:** Validation of interlocking system / application software  
**Project Location:** Germany



**Client:** Siemens TS  
**Project Description:** Assessment main interlocking module  
**Project Location:** Austria

**Client:** Siemens TS  
**Project Description:** Validation interlocking system, foreign application  
**Project Location:** Germany

**Client:** Siemens TS  
**Project Description:** Assessment of main machine interface  
**Project Location:** Swiss

**Client:** Various manufacturers  
**Project Description:** Assessment of train control systems (onboard equipment)  
**Project Location:** Germany

**Client:** different manufacturer  
**Project Description:** Assessment of radio remote control system for locomotive (including multiple- traction)  
**Project Location:** Europe

**Client:** Westinghouse Rail Systems Ltd.  
**Project Description:** Validation of sub system of interlocking system  
**Project Location:** UK

**Client:** Verkehrsbetriebe Peine Salzgitter (VPS),  
Bombardier  
**Project Description:** Assessment of point operated switch (EOW)  
**Project Location:** Germany