TCMS Application Software Development

**OVERVIEW**

Development of Application Software for TCMS | EN50128 | Rail OEM  
Door Control Unit, Passenger Information and Entertainment, Passenger Crew and Comfort

**SCOPE**

System Requirement Specification (SyRS)
- System Requirement Specification is the document of description of the functions with interface signals mentioned. SyRS is maintained in DNG.

Software Requirement Specification (SRS)
- Derived from the SyRS. User Interface level, Train level, consist level and element level are considered while deriving SRS. SRS is maintained in DNG.

Software Architecture Specification
- Derived from SyRs and SRS. Provides a comprehensive architectural overview of the system.

Model Development
- Model implemented in customer proprietary tool (IEC - 61131) and stored in RTC.

Component Testing
- Component Test cases creation against SRS
- Test execution for each module
- Test cases are maintained in RQM.

**TOOLS**

- IBM ALM Tools (DNG, RTC, RQM)
- Customer proprietary Modelling Tool (IEC - 61131)
- Customer proprietary simulation tool
- Customer proprietary testing tool