

AUTOSAR COMPLIANT ELECTRICAL POWER STEERING ECU DEVELOPMENT

Overview

Development of AUTOSAR
Compliant EPS Software platform

AUTOSAR 4.2 | ASIL-D

QUALITY STANDARDS

- Automotive SPICE
- ISO26262
- KGAS

Scope

- Define ASPICE-3, ISO26262, and KGAS compliance strategy
- High-level design
- Variant management design for GUI and build system
- Implementation
- AUTOSAR Stack integration
- Development of GUI /Tool for configuration
- Static analysis and Unit Testing
- Build, Integration and Smoke test
- Timing analysis using GLIWA
- Software Testing
- System testing in HILS

Environment/ Tools

- IBM DOORS
- Enterprise Architect
- Vector AUTOSAR Stack
- Vector Davinci Developer
- Vector Davinci Configurator pro
- Mathworks toolchains
- Tasking and GHS compiler
- Polyspace
- Reqtify
- GLIWA
- Vector VX1000
- Vector tool like CANoe