We offer automotive **Independent Embedded Testing** services, with **precise** testing approach, **specialized** test environments and best resources. Our expertise in Embedded Testing and Quality Management helps us to understand the risk, improve efficiency and reduce product turnaround time.

**Background:**
Mobility industry is under a radical transformation by being connected, automated and electrified. Automotive companies now need to focus on continuous innovation, advancement of test levels and creating intellectual property in order to ensure the next generation of vehicle quality, reliability, safety and utility. The challenging areas are primarily as below:
- Increasing quality levels of the product delivered
- Increasing ECU functional complexity
- Shortened development life cycle owing to critical product time lines
- Need for specialized test tools, environment and equipped lab
- High costs to meet fluctuating resource demand/utilization

**About our services**
We provide innovative and cost-effective solution to address the challenges faced by the mobility industry, across various phases of software development and validation life cycle.
We have expertise in providing Test services in the following areas:
- Power Train Systems (Internal Combustion, Electric, Hybrid)
- Active and Passive safety
- Comfort Systems
- Body Electronics
- Instrument clusters
- Infotainment
- Telematics
- Advanced Driver assistance
## Value Proposition

- **Domain Expertise**: Over two decades of experience in offering Embedded Testing Services for Global Customers.
- **Strong R&D base**: Our heritage as leader in Mobility industry gives us the competency to define, assess, train, in functional and technical domains to meet the market needs.
- **Enhanced quality**: Powerful testing solutions for increasing complexity of design and code by using know-how to meet the product quality standards.
- **Shorter test life cycle**: Reduction in time to market due to early detection of errors in the early stage of life cycle which is enhanced by automation of test environment.
- **Effort and cost savings**: Reusability of the platforms and tools brings you a significant reduction in costs.

## Test Service Offerings

With a proven track record in servicing marquee customers in Automotive Embedded Systems, the primary Testing Service areas are as below:

### Unit Test (Module Test)
- Reviews
- Coding Standard Check (Misra)
- Unit Testing (with code coverage)
- Static Analysis

### Integration Test
- Interoperability Tests

### SW System Test
- Coding Standard Test (Misra)
- Static Analysis
- Critical Resource Usage Check

### HW-SW Integration Test
- Flash Test
- Electrical Fail Safe Tests

### System Test (ECU Level)

- **Flash Test**
- **ECU Startup/Shutdown Test**
- **Electrical Fail Safe Tests**
- **Diagnostic Communication Tests**
- **Network Communication Test (Appl Layer)**
- **Network Protocol Test (Physical Layer)**
- **Network Management Test**
- **EEPROM Stress Test**
- **ECU Functionality Test**
- **Variant Configuration Test**
- **Energy management Tests**
- **Part Number Test**
- **Tell Tale Test**
- **End of Line Tests**

- **Vehicle Test**
- Functional Testing
- OBDISO26262 safety tests
- End of Line Tests
- Acceptance Tests