

TELEMATICS TESTING

Connected | Automated

Trending

More than 50% of all the automotive vehicles to be manufactured in 2020 are expected to be connected, enabling communication with another vehicle or infrastructure through telematics.

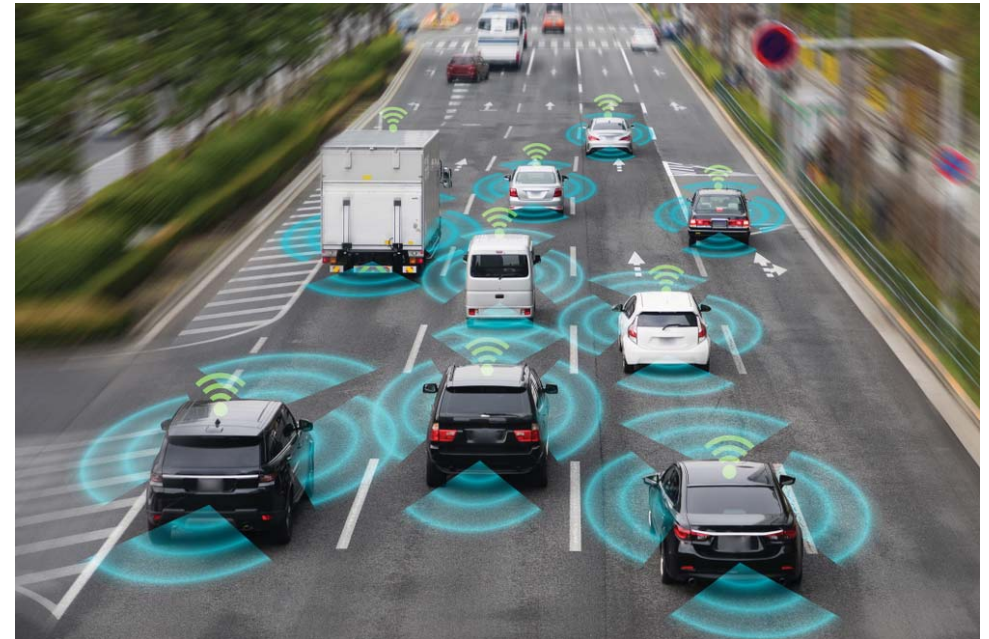
A growing number of vehicle mandates are being introduced by governments for services like eCall, stolen vehicle tracking and premium features like remote diagnostics, location based alerts & services mandating the need of embedded telematics.

In order to ensure the functioning of embedded & non-embedded telematics services, a convergence of OEMs, suppliers, telecom providers and service providers is required.

Opportunities & Challenges

Connected cars require the vehicle systems like advanced driver assistance systems, body & chassis systems, infotainment systems, powertrain systems to be integrated to telematics systems to ensure functioning of various features and applications.

Multiple cellular technologies, GNS systems, road conditions and the complexity of use cases to which the telematics systems are exposed to, make validation more challenging



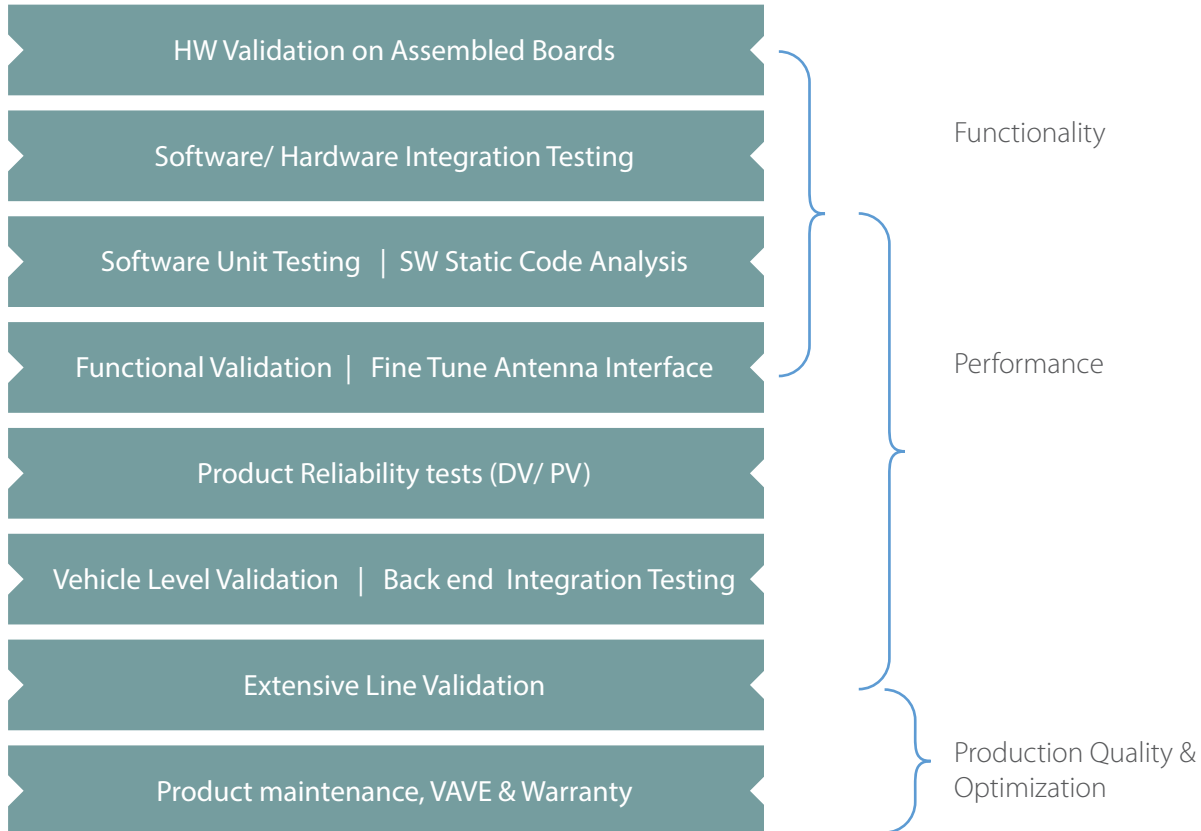
Benefits for Your Customer

- Improved prognostics for vehicle management
- Fleet management – Telematics helps in increasing productivity, safety by providing in-vehicle driver coaching, compliance with regulators, and integration with other safety and driver assistance systems

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Services Framework

8 Tier validation & Maintenance Process Telematics Units



Differentiators

- Test automation solutions reducing cycle time by 50% - AUTOMATE
- Integrated HILS resulting in reduction of proto-vehicles for testing – dSPACE, NI, ETAS

Case

- Automated telematics services validation of features like eCall, bCall, remote services, stolen vehicle tracking & blocking, alerts, remote diagnostics, vehicle health report, mobility connections etc.
- Development of vehicle driving simulator with test automation to validate telematics features and services before getting into field trial