

CTAG ELECTRONICS SYSTEM VALIDATION

EE & EMC TESTS

Services

- ▶ Validation plan definition
- ▶ Development of validation tools
- ▶ Tests preparation and execution
- ▶ Test automation
- ▶ Data analysis & reporting

Facilities

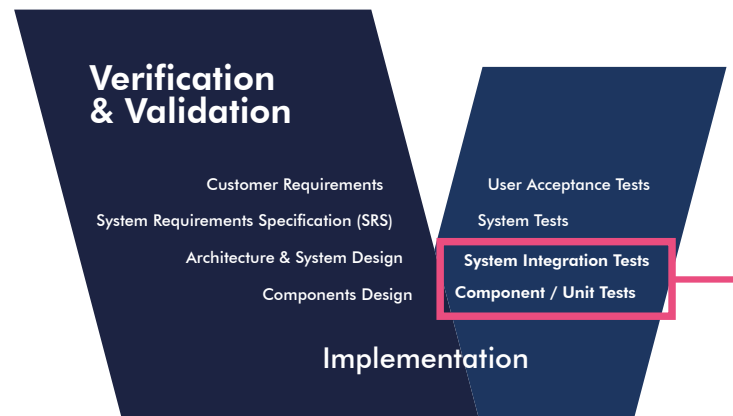
Test laboratories:

- ▶ EMC laboratory
- ▶ Electric tests laboratory
- ▶ HiL laboratory

EMC LABORATORY

Equipment

- ▶ CISPR 25 EMC chamber for automotive component
 - ▶ Range: 10 kHz - 18 GHz
 - ▶ Internal dimensions: 5.5 x 4.6 x 3.02 m
- ▶ EMI receiver R&S ESU7
- ▶ RF Amplifiers for immunity tests up to 200 V/m



Services

- ▶ Electromagnetic immunity
 - ▶ ESD
 - ▶ Conducted immunity
 - ▶ Transient disturbances
 - ▶ BCI
 - ▶ Radiated immunity to electric and magnetic fields
- ▶ Electromagnetic emission
 - ▶ Conducted emission
 - ▶ Conducted transient emission
 - ▶ Conducted RF emission
 - ▶ Radiated emission of electric and magnetic fields

ELECTRICAL TEST LABORATORY

Equipment

- ▶ Battery simulators for DUT up to 100A
- ▶ ISO16750-2 electric loads standard
- ▶ Support main OEM standards:
 - ▶ LV124
 - ▶ VW80000
 - ▶ PSA B21
 - ▶ Renault Nissan RNDS-C-00517
 - ▶ BMW GS
 - ... and more
- ▶ Support 24 and 48v systems

Services

- ▶ Load dump
- ▶ Cranking
- ▶ Overvoltage
- ▶ Undervoltage
- ▶ Superimposed alternating voltage
- ▶ Short circuit protection
- ▶ Discontinuities in supply voltage
- ▶ Reversed voltage
- ▶ Insulation resistance

