OPTIVAL TESTING & CERTIFICATION









About us

Field of services:

Automotive testing and certification

- Homologation
- Vehicle Safety → ISO 26262 & ISO 21448
 - Vehicle Security → ISO 21434 & ECE R155

Technical team:

- Competence in homologation for vehicle, system and component level,
- Competence in e-mobility,

Accreditations:

- ISO 17020 and ISO 17025 from IAS
- ISO 17020 from TURKAK

Designations:

- Irish (NSAI) designation
- Turkish (STB) designation
- Irish (NSAI) designation
- Dutch (RDW) designation

- (E24: direct Optival designation)
- (E37: direct Optival designation)
- (e24: in cooperation with Greenkar, Italy)
- (E4 & e4: in cooperation with **HCS**, **Netherlands**)





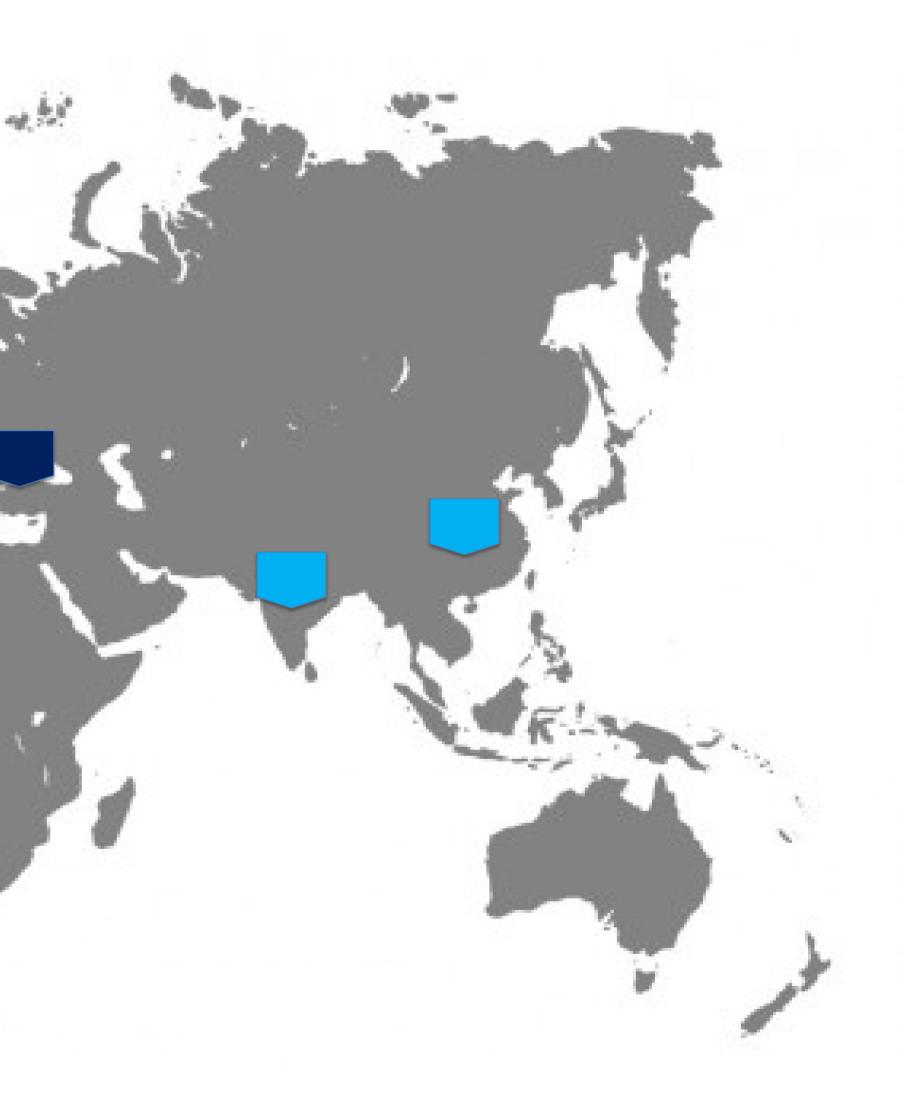






Locations

- Base office in Turkey.
- Sales & organization office in Germany.
- Local technical experts in China (Guangzhou, Tianjin), India, Netherlands and Iran.
- Sister company at the US for FMVSS and CMVSS homologations.



Netherlands and Iran. ons.

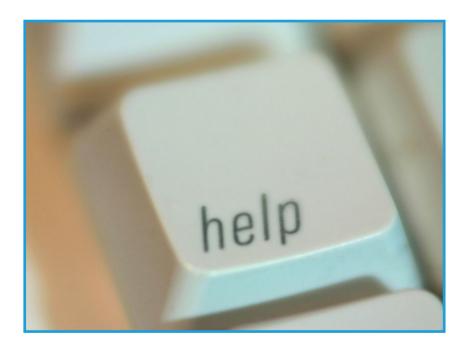


Services - Homologation

Homologation Services

Training and Consultancy









Testing and Certification





Services - Homologation

Training & Consultancy

On the basis of organization :

- Introduction to Homologation
- Homologation in Product Development Processes Basics
- Homologation in Product Development Processes Technical Content
- Homologation in Manufacturing and Quality Control Processes
- Homologation in Sales Processes
- Homologation in Purchasing Processes
- Homologation in Import & Export Processes

✓ On the basis of legistation:

- EC/EU directives/regulations
- UN ECE Regulations

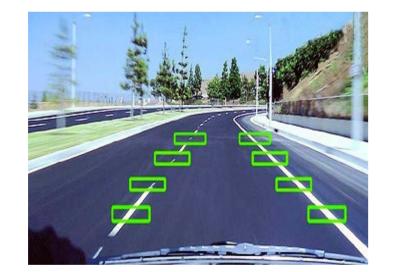
On the basis of market:

- EU,
- UN countries,
- Turkey,
- FMVSS: United States, CMVSS: Canada,
- GSO: Gulf Countries,
- ...



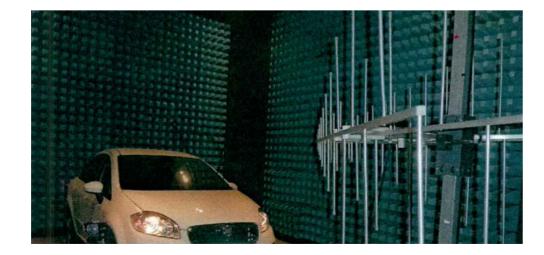
Services – Homologation Tests

- Optival testing facilities for type approval and conformity of production (CoP) tests \checkmark
- Laboratory network in Turkey, Europe, China and India, \checkmark
- Support for simulation, \checkmark
- Project management through FLOW,
- ✓ FLOW customer interface



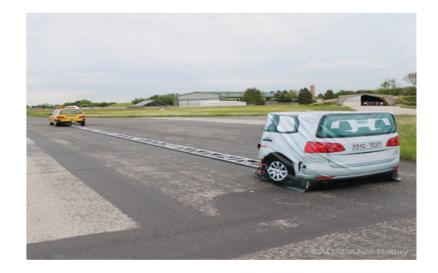














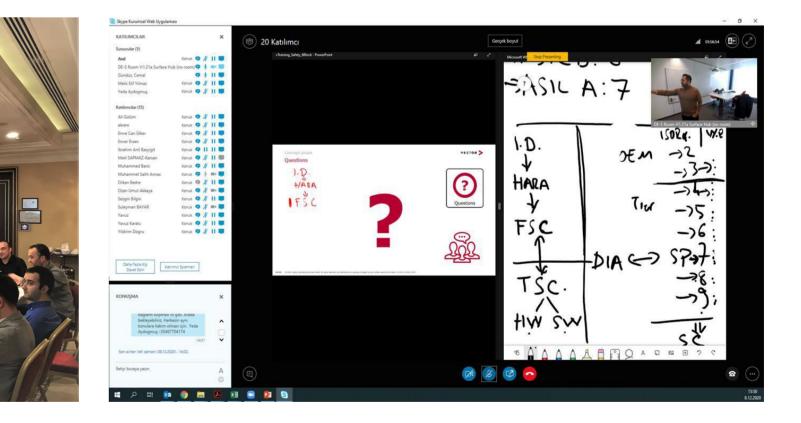


Services – Vehicle Safety

- ISO 26262: Automotive Functional Safety \checkmark
- ✓ ISO 21448: Safety of the Intended Functionality
 - Organization of on-site/public trainings & personnel certification \checkmark
 - Consultancy services for complex electronic systems \checkmark
 - Safety assessment & audit
 - Certification









Services – Vehicle Security

- ✓ ISO 21434 Automotive Cybersecurity Engineering
- UN ECE Regulation no. 155 Cybersecurity & Cybersecurity Management System
 - Organization of on-site/public trainings & personnel certification \checkmark
 - Consultancy services for complex electronic systems \checkmark
 - Safety assessment & audit
 - Certification





References – OEM Homologation









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References – Component Homologation





THANK YOU

