

Certified Mobile ADS Testing Lab by



# Getting Autonomous Vehicles Type-Approved & Test Driving in Europe



# Major Problems Restrict Autonomous Vehicles Test Driving on Public Roads in Europe

1. **No mobile testing services.** Going to a test center is costly and not convenient for product development.
2. **Few certified test centers do ADS validation** for type approval.
3. **Costs starts from 200 000€** for full ADS type-approval validation test package.








# Metrosert's ADS Testing Accelerates Autonomous Vehicle Development

- ◆ **Mobile certified test center** comes to you (from 2025)
- ◆ **All tests follow type approval requirements**
- ◆ **Type-approval preparation assistance** for test-driving in Europe
- ◆ **Validate** documentation and traffic simulations
- ◆ **Access** to various test sites and public roads
- ◆ **Intros to insurers** experienced in insuring autonomous vehicles
- ◆ Full day testing starts at **5000€**



# Metrosert's Process of ADS Testing

-  1. Determining test sequences
-  2. Simulation validation
-  3. On-field testing in a restricted area
-  4. Public road testing
-  5. Type-approval preparation and test validation



# Metrosert Supports a Wide Range of Autonomous Vehicle Developers

- ◆ **Autonomous Vehicles (L, M, N)**
  - Public urban roads
  - Up to speed 120km/h
  - Up to cross weight 40 tons
- ◆ **Autonomous Driving Systems**
- ◆ **Sensors for ADS**





# Advanced Capabilities of MetroSert's Mobile Test Center

- ◆ **Sequence creation** and evaluation of vehicle's actions through simulations
- ◆ **On-site vehicle laboratory** for pre-testing setup and system validation
  - Variation of traffic signs and control devices
  - Euro NCAP targets: dummies of a pedestrian, a child, a motorcycle, a car, a small animal
  - Freeboard GPS platforms (up 120km/h)
- ◆ **Certified GPS measuring system** compatible with all driving robots/dGNSS-systems
- ◆ Testing protocols adhering to **Euro NCAP standards**
- ◆ **Access** to various test sites and public roads







## About Metrosert

- ◆ Founded in 1919
- ◆ 100% State Enterprise
- ◆ National Metrology Institute
- ◆ Research and Technology Organisation
- ◆ Accredited Technical Assessment Body
- ◆ NATO DIANA Test Centre





## Applied Research Center's focus fields



**Autonomous  
vehicles**



**Drone Tech**



**Hydrogen Tech**



**Health Data**



**Biorefining**



## Contact

Contact Taaniel Tigas to discuss how MetroserT can accelerate your ADS development, testing and getting a type approval.



[Taaniel.Tigas@metrosert.ee](mailto:Taaniel.Tigas@metrosert.ee)



[Autonomous Vehicles Web](#)

