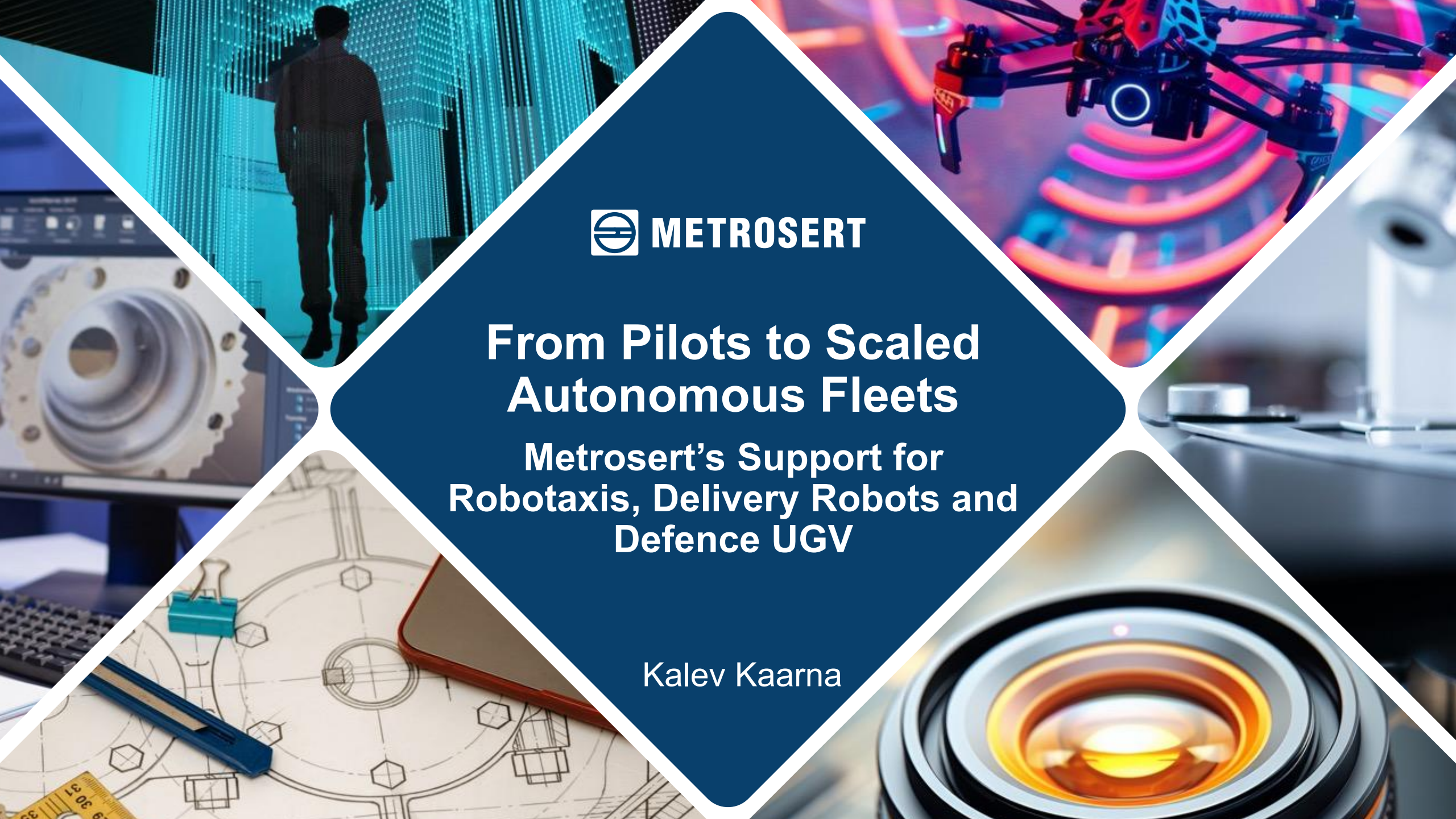

METROSERT

# From Pilots to Scaled Autonomous Fleets

## Metrosert's Support for Robotaxis, Delivery Robots and Defence UGV

Kalev Kaarna


# Supporting companies' competitivness through

- Quality
- Innovation


# AS Metrosert

- National Metrology Institute
- Accredited Technical Assessment Body
- Research and Technology Organisation

**Services**

- Metrology services: calibration and verification
- Certification of management systems
- Precious metals analyses
- Maintainer of national measurement standards
- Research and development activities
- Applied research (2023)

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# Applied Research Center

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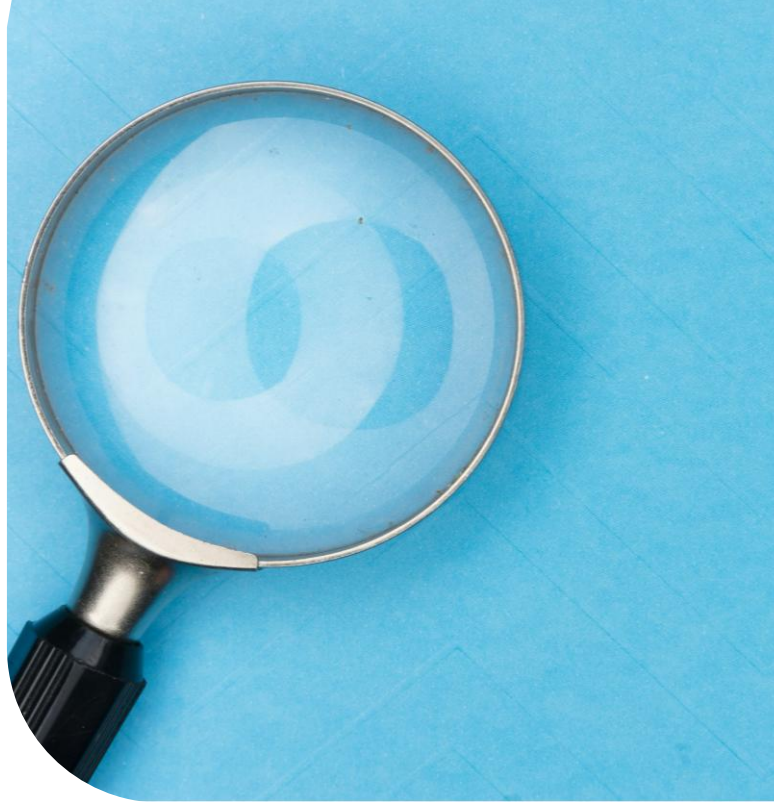
# Applied Research Center's Capabilities

- Research and development
- Testing for development & certification
- Supporting getting to market
- Grant projects
- Consultation and advisory services



# Applied Research Center’s focus fields

- Autonomus vehicles
- Hydrogen technologies
- Drone technologies
- Health Data
- Biorefining

# Testing Autonomous Mobility

- Robobuses
- Robotaxis
- Teledriving vehicles


- Last mile delivery

- Unmanned Ground Vehicles

# Public Plans of Companies on Scaling Fleets

# Public Plans of Companies on Scaling Fleets


- **Toyota China and Pony.ai l**aunch mass production of the bZ4X robotaxi (1000 units in 2026)

# Public Plans of Companies on Scaling Fleets

- **Holon** starts robobus service with 20 buses in 2026

# Public Plans of Companies on Scaling Fleets


- **Bolt** plans to get 100 000 robotaxis to streets by 2035

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# Metrosert's Support to Cities and Autonomous Vehicle Developers

- **Mobile test lab** (following EU 2022/1426)
- **Demo tests** of AV safety
- **Technical service** for Estonian Transport Administration
- **Safe testing** of hazard situations with EURO NCAP targets
- **Public road tests**: preparation, safety drivers, permissions
- R&D and grant projects

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