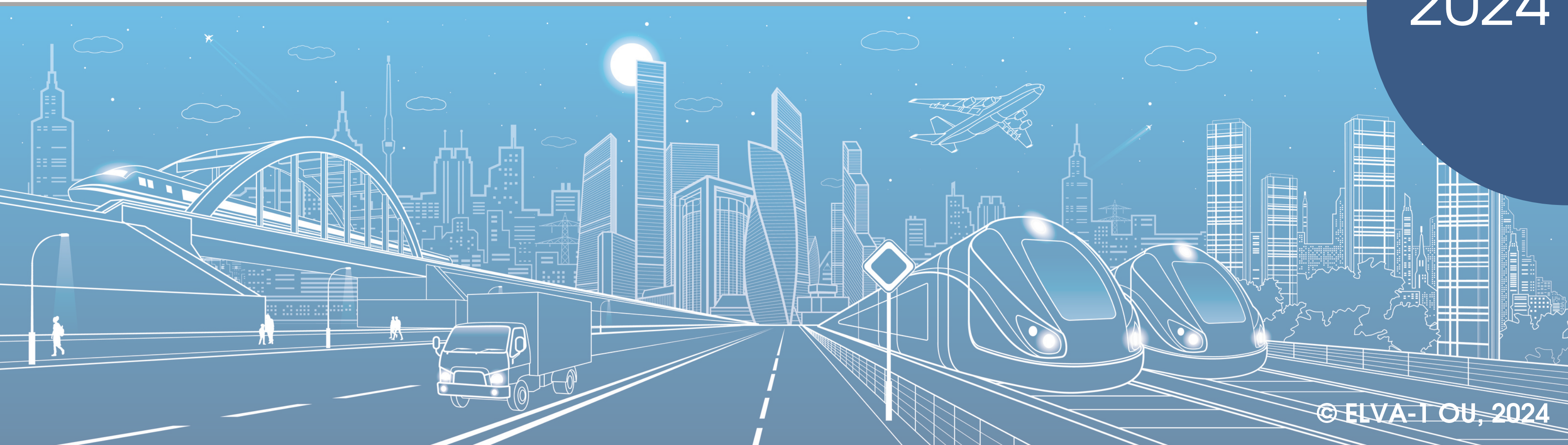
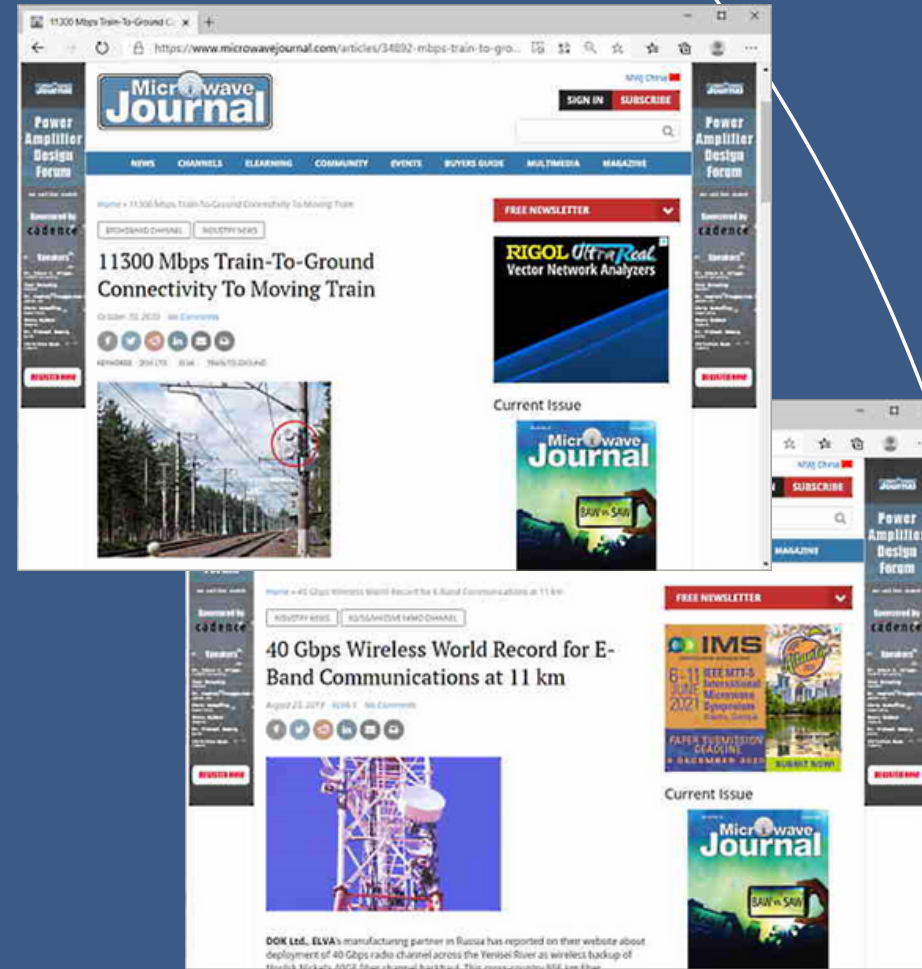


ELVA-1 Company Presentation

2024



ELVA-1 is well-known R&D and manufacturer of millimeter-wave 10GE/40GE wireless communications, radar technologies, scientific devices and components



SINCE 2018,
LOCATED IN
TALLINN, EU



ELVA-1 company has
3 departments
working on
mm-wave products

ELVA-1 Departments:

- mm-Wave wireless multigigabit communications in Ka, Q, V, E, W-bands (37 to 94 GHz)
- mm-Wave radars in E, W, Y-bands (76 to 300 GHz)
- Millimeter wave components and measurement equipment 26 to 400+ GHz



Areas
of competence

Department of mm-Wave wireless communications:
10/40 Gbps 70-80 GHz and 42 GHz radio links for 5G and
Smart City backhauls



Area of competence

Department of mm-Wave wireless communications: RnD lab and manufacturing facility for mm-wave links



Area of competence

Department of mm-Wave wireless communications:
10 Gbps 70-80 GHz and 60 GHz radios for rail applications,
train-to-ground and trams



Area of competence

Department of mm-Wave wireless communications:
10 Gbps 70-80 GHz and 60 GHz radios for airport networks



Area of competence

- FOD Radar
- Loco Radar
- Railway safety radar
- Short-range marine radar
- Docking aid radar
- Radar for security screening of explosive belts
- Radar sensors for vibration testing in engineering
- Radar for driverless vehicles



Department of mm-Wave radars: Radars in 76 GHz / 94 GHz for industrial applications



Area of competence

- Imaging radar
- Radar for research in driverless car safety

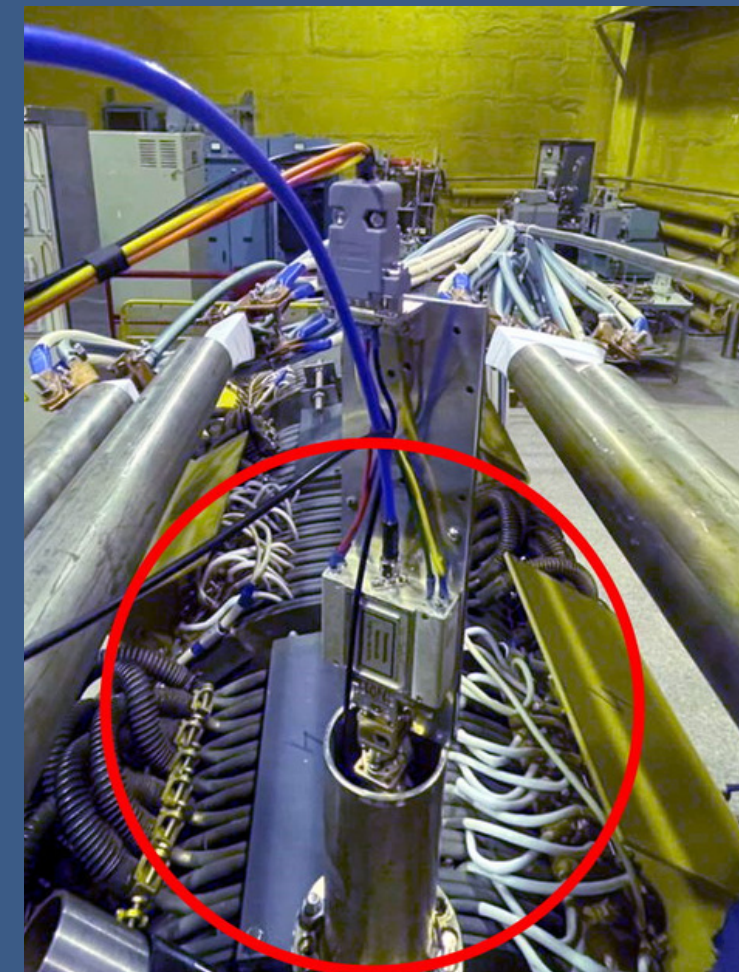
Department of mm-Wave radars: 300 GHz radars for scientific applications



Area of competence

Department of scientific equipment

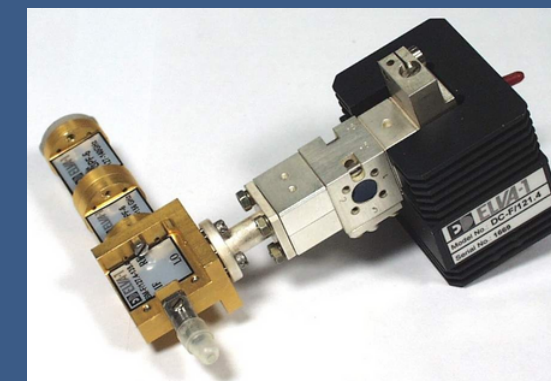
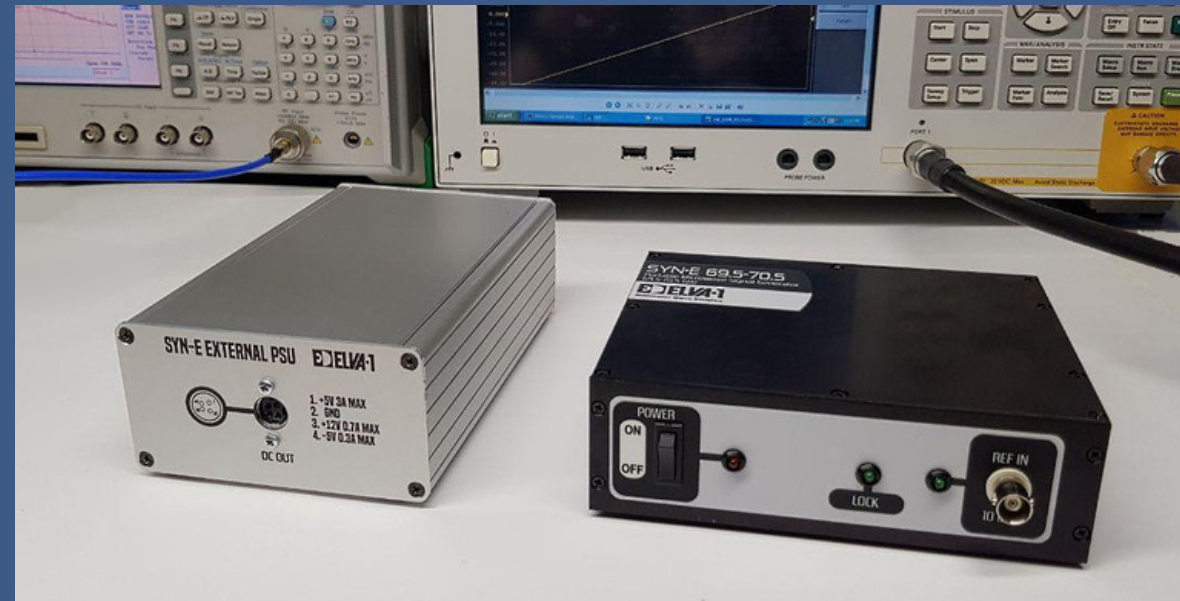
- High sensitive radiometers
- mm-Wave sources
- Oscillators and generators
- Interferometers



Area of competence

- Noise Sources
- Power Meters
- Oscillators and generators
- Detectors
- Mixers
- Antennas

Millimeter wave components and measurement equipment 30 to 400+ GHz



Area of competence

Thank you!