System description

- **Software:** GEO++ GNSMART 1.x
- **Server solution:** Virtual Windows server
- **Supported GNSS:** GPS + Glonass
- **Data output solutions:** VRS, FKP, RINEX
- **Receivers:** (4) Javad Prego, (1) Topcon NET G-5
- **Service cost:** Free of charge

RTK users

- **Total number of users:** 57
- **Users from Riga City municipality:** 6
- **Surveyors:** 46
- **Universities:** 3
- **Other users:** 2
EUPOS-RIGA network today
Developments plans for EUPOS-RIGA and Riga City

- **EUPOS-RIGA software upgrade to GNSMART 2.0**
  - Implication of Galileo;
  - Possible implication of Beidou.

- **Expansion of EUPOS-RIGA network coverage area**
  - Search for new reference station mounting location;
  - Optimising network geometry;
  - Increasing the use of RTK services on outskirts of Riga City.

- **Upgrade of Riga City quasi-geoid model**
  - Solution for insufficient geoid model LV’14;
  - Partial solution for City’s insufficient level benchmark network.
- Radius 15km;
- Outer stations - 17 to 22km from center station;
- Distance between outer stations - 22 to 30km
Riga City quasi-geoid model upgrade

4 ground points

40 ground points