EUPOS-RĪGA network

- **10 years of RTK service** (from 2006th);
- **Reference station location** – Riga (3x), Jurmala (1x), Salaspils (1x);
- **System validation procedure at local authority accomplished during 2013th**

Validated 20km around each reference station
(combined coverage 2590km²).
Reliability upgrades 2016

- Swop of central processing server location and solution – from PC type server (Windows XP) to virtual server platform (Windows Server 2012 R2)
  - Reduced possibility of downtime due to failed outdated hardware components;
  - Reduced possibility of downtime due to ISP provider (3 ISP’s are currently used);
  - Harder to maintain due to security settings of Riga City IT Departament.

- Upgrade to latest GEO++ software version
  - Setup of error reporting module (GNALERT) - auto sending of e-mail and SMS;
  - Setup of GNWEB module – RINEX data service for users (introduction postponed).

- UPS device installation at each reference station site
  - Reduced downtime of ISP equipment and GNSS receiver;
  - Solution for surge protection at all reference station sites.
Other upgrades

- **Visual changes:**
  - Previous: EUPOS-Rīga or EUPOS-Riga;
  - Current: EUPOS-RĪGA or EUPOS-RIGA;
  - New logo expected.

- **Change of official base station names**
  - Previous: lu__, kre__, van__, sal__, vai__;
  - Current: LUNI, KREI, VANG, SALP, VAIV.

- **System virtual monitoring by SKPOS / RTKNAVI**
  - Users can observe RTK network quality status.

- **Changes to RTK mountpoints visible to user:**
  - Only 4 official mountpoints remain instead of 12.
Current RTK users

- **Total number of usernames:** 24
- **Users from Riga City municipality:** 6
- **Surveyors:** 15
- **Universities:** 3
- **Other users:** 1