

EUPOS-RĪGA

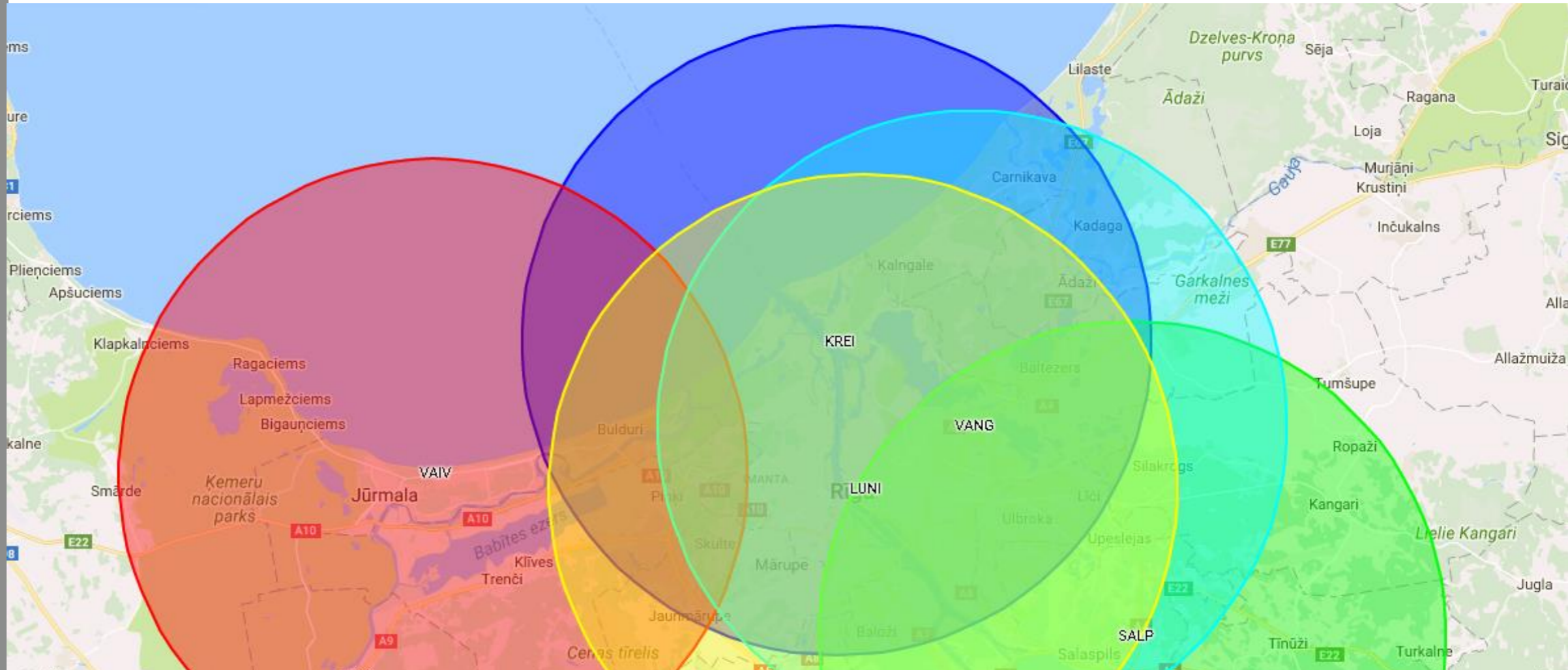


RĪGAS PILSĒTAS
PAŠVALDĪBA

Riga City Council
City Development Department



EUPOS-RĪGA network

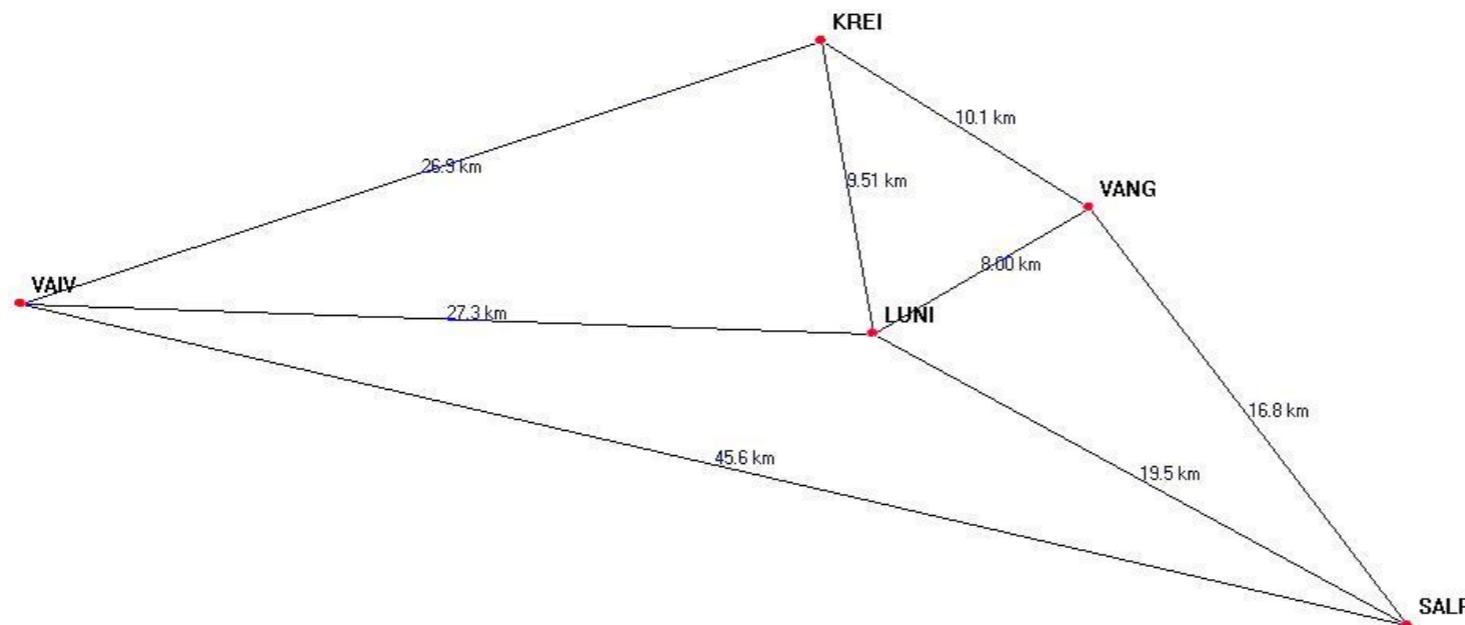


- **10 years of RTK service** (from 2006th);
- **Reference station location – Riga (3x), Jurmala (1x), Salaspils (1x);**
- **System validation procedure at local authority accomplished during 2013th**
Validated 20km around each reference station
(combined coverage 2590km²).



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 - ✓ Reduced possibility of downtime due to failed outdated hardware components;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 Department.
- **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 instalation at each reference station site**
 - ✓ Reduced downtime of ISP equipment and GNSS receiver;
 - ✓ Solution for surge protection at all reference station sites.



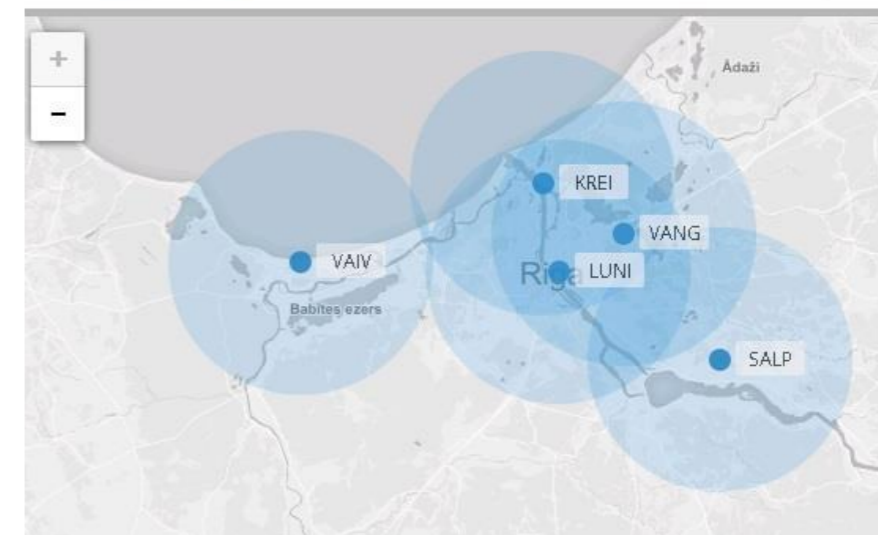


Other upgrades

- **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.



Service quality monitoring



Streams

Existing Streams

Mountpoint	Identifier
FKP01	FKP corr 20/21
PRS01	VRS corr 20/21
PRS03	VRS raw 18/19
PRS02	VRS raw RTCM3
KREI	KREI
VAIV	VAIV
VANG	VANG
SALP	SALP
LUNI	LUNI
EUPOS_DGPS	dGPS
PRS04	VRS raw 18/19
PRS_5Hz	5Hz

Chosen Streams

Mountpoint	Identifier
FKP01	FKP corr 20/21
PRS01	VRS corr 20/21
PRS03	VRS raw 18/19
PRS02	VRS raw RTCM3



Current RTK users

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



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