SMART SURVEYORS FOR LAND AND WATER MANAGEMENT
CHALLENGES IN A NEW REALITY

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Development of the Project Adapted Network-RTK in Sweden — A review and the future plan

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In absence of Network RTK (1996-2000)
2005 - 2011

New concept “Project Adapted NRTK”
- Designed for large scale projects
- Active and passive realisation

Today
- De facto standard

The future...
New research project (Stomnät i Luften 2.0)
- New satellite systems and updated satellite signals
- Strategy for establishment and operation of PA-NRTK
- Routines for monitoring the reference stations
- Further development of the postprocessing service
- Distribution of corrections
- Next solar maximum and its effects on Ionospheric effects
- User contact and information channels
- Detection and identification of spoofing and jammers
- Installation of GNSS equipment on construction machinery
- New Positioning methods
- Positioning systems for autonomous construction vehicles
- Local geoid models