



Commissioned by
Information and Observation Services and
Technology

DRUP: Digital Receiver Update

(Upgrade of the Dutch weather radar network)

Success Stories

Business Challenges

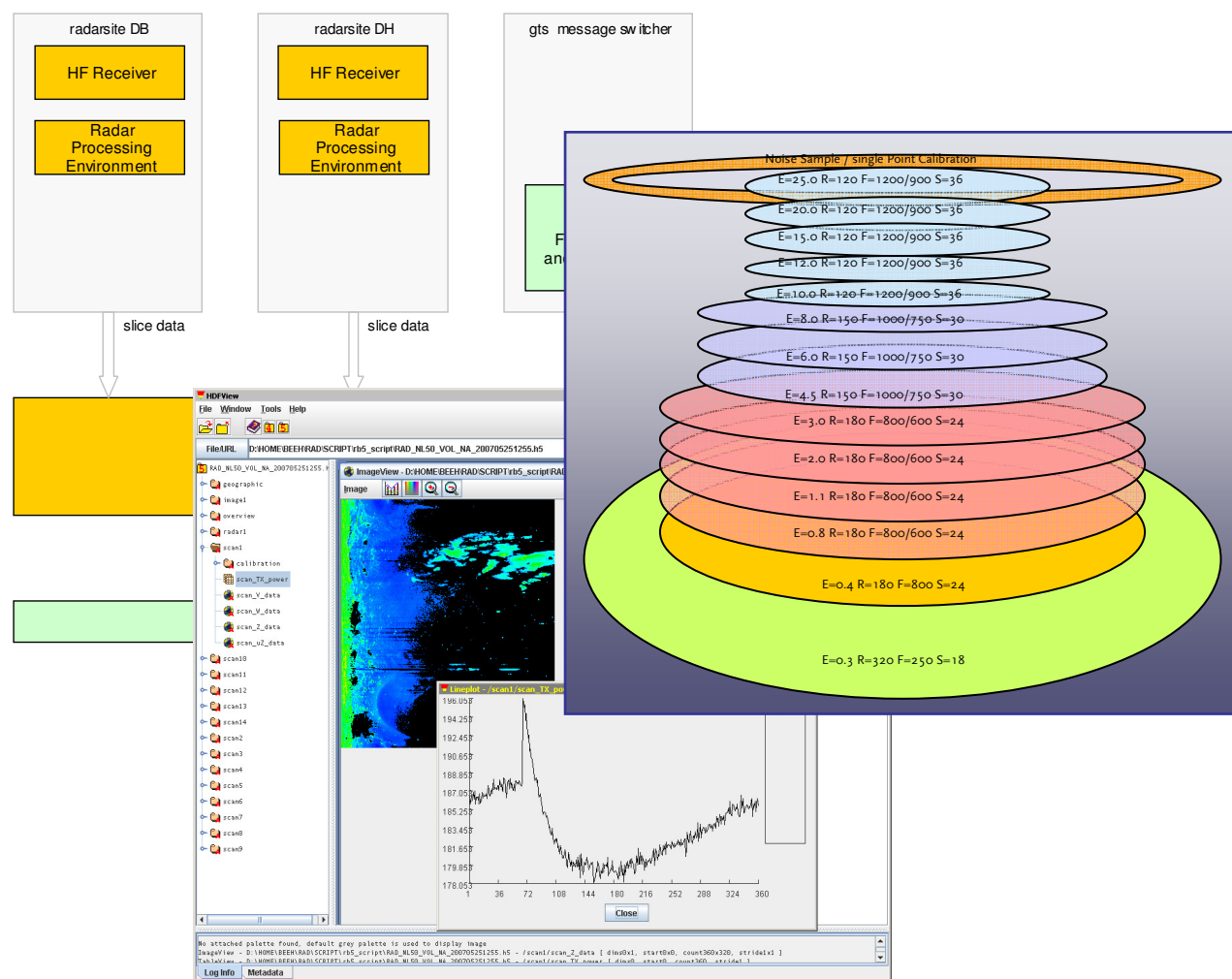
- KNMI operates two METEOR 360AC Radars installed in 1996.
- Mechanics and electronics of these systems can live for 20+ years, but the radar processing chain was getting very outdated.

Our Solution

- An European Tender Procedure resulted in the realization of the upgrade by Selex SI.
- The ultra modern processing in the KNMI METEOR 360 makes the KNMI radar systems ready for the next decade.
- The product generation is centralized at the facilities of KNMI in De Bilt, where a hot-cold pair of rainbow servers processes data slices from our sensors as well as BUFR based data from the GTS.

The Results

- All radar products are generated in a 5 minute update cycle.
- All data is made available at 1km x 1km resolution.
- All output is HDF5 formatted and fed into the central KNMI databases.
- All volume data sets are archived in the KNMI-MOS in hdf5 format, including all relevant meta data thereby facilitating future research.



SELEX
Sistemi Integrati

SELEX SI is specialized in designing, building and Maintaining Weather Radar Systems and offers a leading radar processing software suite.

RESEARCH & DEVELOPMENT

“Innovation, Knowledge- and Project Management”