

RADAR extractor/tracker

RADARextractor receives radar data from RADARserver. It detects contiguous echo areas and determines their size, maximum intensity and centre of gravity.

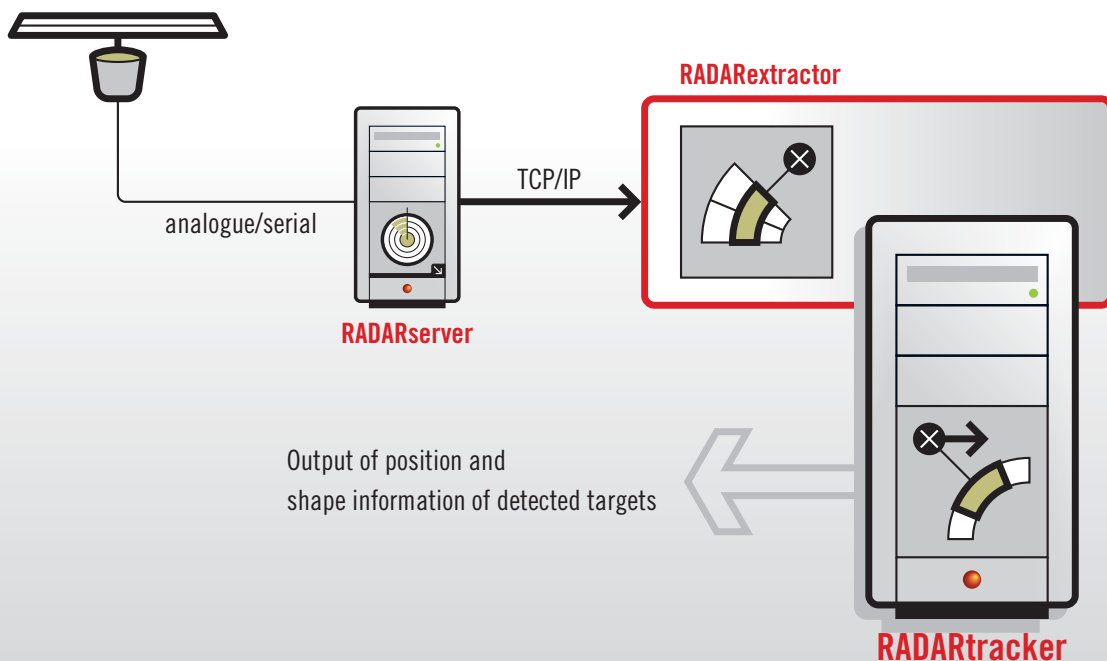
Extracted radar plots are feed to **RADARtracker**.

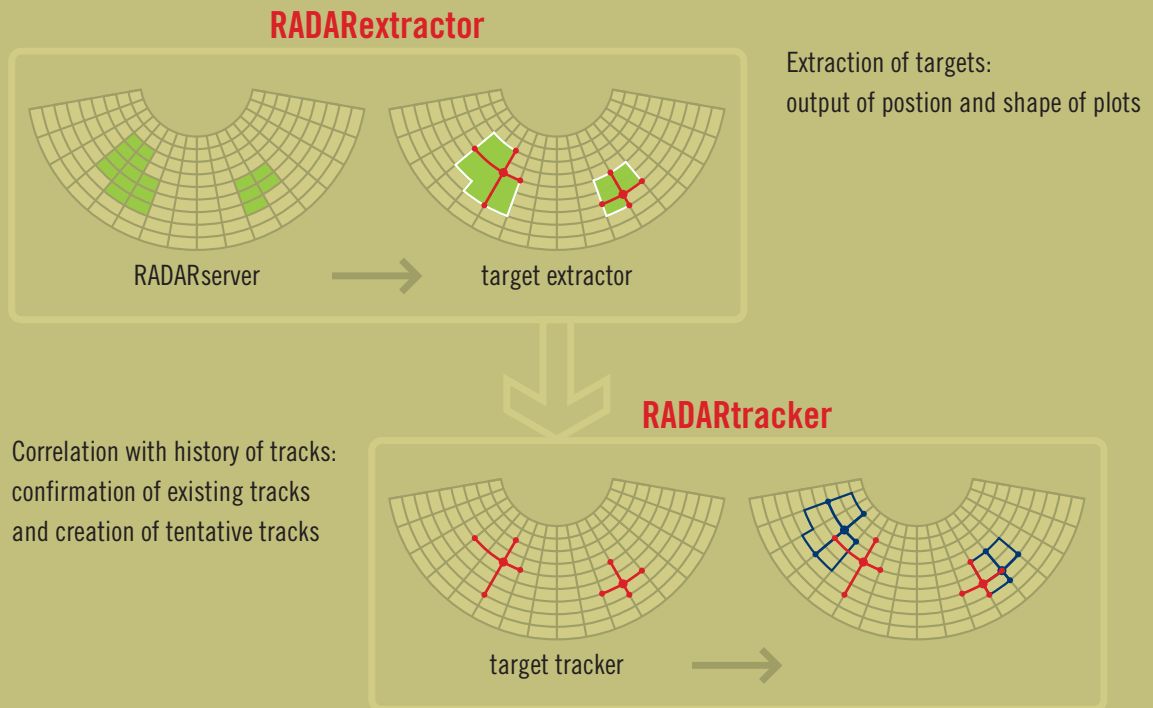
RADARtracker processes the plots of consecutive radar images and produces tracks for target echoes detected repeatedly. A sophisticated extended Kalman filter

algorithm, in combination with a mature movement model guarantee reliable tracking performance and elimination of statistical sensor errors.

RADARtracker outputs tracks and plots on multi client TCP output channels. Standardized ASTERIX output is supported as well as NMEA output.

Sample configuration of the RADARextractor/tracker





Highlights

- Network radar interface
- High target processing capacity (thousands of tracks)
- State-of-the-art Kalman filter
- Multiple-Hypothesis Tracking
- Multiple Model Tracking support
- Standardized Eurocontrol ASTERIX output
- Standardized NMEA output
- TCP multi client
- Integrated CPU load handling
- Integrated output load handling
- Configurable maps for: land clutter, non-automatic initiation, coasting
- Map generation tools for ECDIS available
- CORBA control interface
- SNMP interface for monitoring and control
- Standard PC hardware
- MS Windows XP™ or Linux operating system



Further information about recent developments of innovative navigation systems can be found on the homepage:
<http://www.innovative-navigation.de>

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