

RADIS

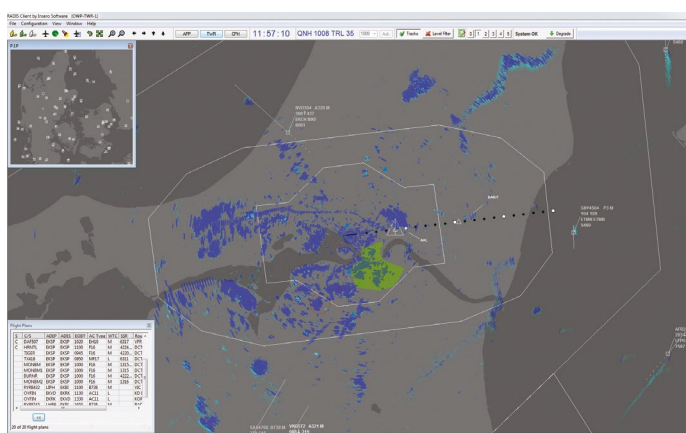
ADVANCED RADAR DISPLAY

RADIS is a sophisticated, yet easy-to-use radar display for a wide range of applicable areas including air traffic control at tower and approach positions; search and rescue and airport situation awareness and similar operations. Features includes the safety nets STCA and MSAW.

RADIS combines the display of secondary and primary tracks, primary raw video (Normal and MTI) from a local radar or a multi radar tracker. RADIS offers sophisticated mapping tools including online editor and import function for a number of standard MAP formats.

RADIS has a build-in recorder/ replay feature for documentation and incident investigation. The RADIS user interface incorporates the most recent EUROCONTROL recommendations for HMI-principles setting the future standards for radar display systems.

Furthermore, the familiar Windows user interface entails a smooth learning curve for both new and experienced ATC personnel.



FPL MANAGEMENT

RADIS is integrated with automatic management and correlation of flight plan information. This includes FPL correlation from more sources and intelligent strip printing features.

FPL management can be extended with a complete AFTN management system (AIMS) to further increase information level for the operator. RADIS integrated with AIMS (our Airport information Management System) in conjunction form a full featured ATC system.

STRIP MANAGEMENT

Strip print manager allows for multiple strip formats printed for different modes of operations. Strips are printed on non-pre-printed paper for flexibility and cost reduction.

Strip management includes an off line strip design tool with drag and drop features for easy strip design, which in conjunction with the built-in activation and map editor makes RADIS a versatile tool for air traffic control.

HIGHLY FLEXIBLE

RADIS is highly flexible and can be configured to operate on a diversity of radar data sources. These include (but are not limited to) the well-established ASTERIX protocols, Thales A500, VDL Mode 4, NMEA, SBS and various GPS-protocols.

RADIS supports OLDI coordination using the FMTP protocol in both IPv4 and IPv6 environments. X25 OLDI can be supported through optional gateway

CUSTOMER BENEFITS

- Fast Update of Display – Dynamic screen redrawing in less than 25 ms.
- Dynamic Zoom and Off-centering – Supported by mouse or keyboard.
- User-Defined Views – Selectable and configurable through intelligent toolbar buttons.
- Multi-layered Display – Map/objects shown in distinct layers.
- Picture In Picture (P.I.P.) Display – Secondary radar view.
- Safety nets (STCA, MSAW).
- Secondary and primary tracks.
- Primary raw video (Normal and MTI).
- Weather video.
- Cursor Lines – Approximating arrival time, distance, track and altitude.
- Prediction Vector – Dynamically selectable speed vector with minute indicators.
- History Plots – Dynamic selectable number of past positions.
- Color-coded Tracks – Configurable color coding for tracks (Emergency, OLDI state, Correlated).
- Dynamic Labelling – Cursor-sensitive expansion of track labels.
- Alarm Generator – Emergency (SSR: 7500, 7600, 7700).
- Emergency track history tracking.
- Flight Plan Database – Containing active and repetitive flight plans.
- Flight Plan Editor – Integrated easy-to-use editor (detailed/short form).
- Track / Flight Plan Correlation – Automatic or manual association of FPL and track data.
- AFTN Interface – Automatic exchange of flight plans (option).
- Strip Printer Interface – Automatic printing of physical strips (option).

COST-EFFICIENT TECHNOLOGY

RADIS has a client/server system concept consisting of one or more servers cooperating with a number of clients, each constituting a display position of the system.

RADIS can be set up to both encompass a single user installation as well as a multi-user client/server installation with the distributed system containing various clients running on distinct PC connected by a single or redundant LAN.

Each client is running independently, but communicates with the other clients via the server, yielding a flexible and scalable system concept.

Due to the carefully optimized computational resources of RADIS, a single standard PC is perfectly capable of running both a client and a server application simultaneously to facilitate a single user installation with just a single PC!

All system components operate very smoothly on a standard PC running Microsoft Windows and IP network hardware, thus substantially reducing the cost of acquiring and maintaining system hardware. RADIS is fully integrated with our AFTN management system AIMS.



FURTHER INFORMATION

For further information or demonstration of RADIS, please contact our sales department.

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 DEDICATION MAKES THE DIFFERENCE"**