



## Description

“Αίολος”\* is a radar data processing and display system, capable of providing complete air traffic picture. All critical aircraft information is merged in a simple, effectively monitored display.

It can import data from any available source and produce a modern radar data display either locally or in large distances. This enables air traffic picture to be provided in locations away from the actual radar data source.

The existence of an extra radar screen even for simple traffic observation, or as a secondary verification system in small or large airports primarily results in a huge increase in safety. For controllers in small airports, without local radars, it can significantly increase situational awareness.

Potential users of the system include airport personnel, air traffic controllers, military airspace observers, radar technical staff etc.

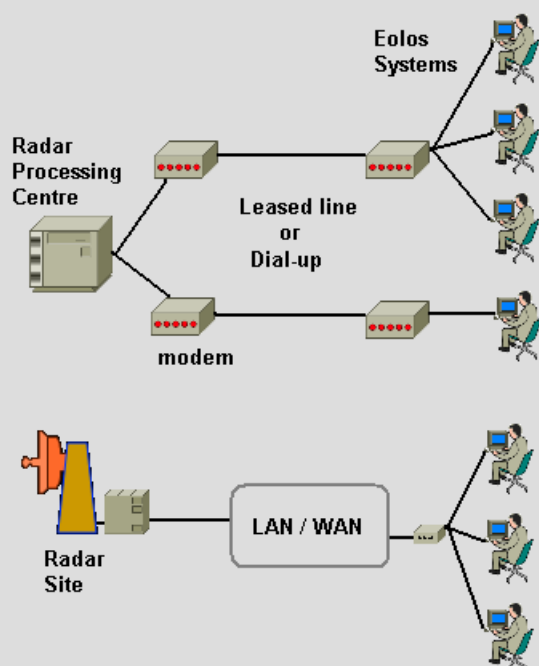
Build with maximum user friendliness in mind, familiarization with the system's windows™ graphics interface is effortless –no special user training is required.

## Features

- ◆ Air traffic situation display
- ◆ Projection of plots, tracks, simulated or other type of targets
- ◆ Easy aircraft data or radar operational status verification
- ◆ Aircraft history and route projection
- ◆ Incoming data recording capability
- ◆ Aircraft filtering by area or altitude
- ◆ Fully customizable screen colours and appearance of geographical elements, reference points, airways etc.
- ◆ Can be installed and used in small or large airports and cover either small airport or larger geographical areas. Supports customizable, dynamically scaled maps
- ◆ Aircraft distance and heading measurement
- ◆ Visual and/or audio alarm support for emergency situations
- ◆ Easy to use Windows™ based environment

\*pronounced as “Eolos”

## Application Examples



## System Details and options

- ◆ Display of plots, tracks, simulated detections, combined detections
- ◆ Customized software and hardware based on user application specifications offers a complete “turn key” solution system.
- ◆ Radar data identification engine easily decodes ASTERIX, AIRCAT or other existing known protocol (documentation required)
- ◆ Operation based on state of the art high quality and reliability hardware, powered by Intel™ processor technology. Multiple hardware configuration levels cover user application requirements from simple systems to full-featured industrial graded hardware designed for 24/7 operation with failsafe backups. MTBF of tenths of thousands of hours easily achieved
- ◆ Data input methods include: direct serial connection, leased line, dial-up line, data receive via LAN/WAN (In order to receive data each method may require additional communication hardware).
- ◆ Optional crypto support for secure data streaming over public networks. 128, 192 or 256 bit AES encryption supported (Additional hardware may be required for secure communications)
- ◆ Option for automatic callsign correlation with ICAO airline codes
- ◆ Reliable data recording. Support for dual recording devices. Depending on the amount of detections and memory, 3 to 12 months or traffic recording can be easily archived
- ◆ Supported operating systems include various versions of windows™. WindowsXPsp2® is recommended. Complete operating system and critical data protection via software or hardware eliminates all threats including viruses and malicious or problematic third-party software. No antivirus or other protection software is needed.

## Information

For additional information contact:  
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