



SAAB



AUTOMATED WEATHER OBSERVATION SYSTEM AWOS

AWOS provides real-time weather information to enhance the safety and efficiency of any air traffic operation. Data from the weather sensors is automatically acquired and processed and can then be distributed in a variety of formats. AWOS is highly cost-effective, and it allows you to keep your existing meteorological sensors.

Real weather, in real-time

AWOS collects data from various meteorological sensors which it then validates, processes and disseminates. It automatically creates the appropriate messages and reports and dispatches them over AFTN, GTS or internal networks.

AWOS can also be used as a semi-automatic weather observation system, allowing manual alteration of sensor data and messages. All reports and data are stored for later reference, statistics or investigations.

A multitude of reports

AWOS has automatic coding and transmission of METAR/SPECI, SYNOP, MET REPORT/SPECIAL, SNOWTAM, CLIMATE and ATIS/DATIS information.

Compliant with international standards

AWOS is developed in accordance with ICAO, EUROCONTROL and WMO regulations and is certified by Civil Aviation Authorities and MET organisations in several countries. AWOS fulfils the operational requirements for CAT I airports as well as CAT III airports.

Scalable by configuration

The system can be configured in accordance with your operational needs and the size of your airport – and the available budget. The HMI is easily configured by the local system administrator, for example regarding colours, fonts, window layouts etc.

Low Life Cycle Cost

AWOS has a documented low Life Cycle Cost, mainly due to its safe and reliable system solution. The open architecture provides you with a solution that can be expanded, upgraded and adapted as needed. AWOS can use both existing sensors and sensors from leading manufacturers.

Turn key solutions for every need

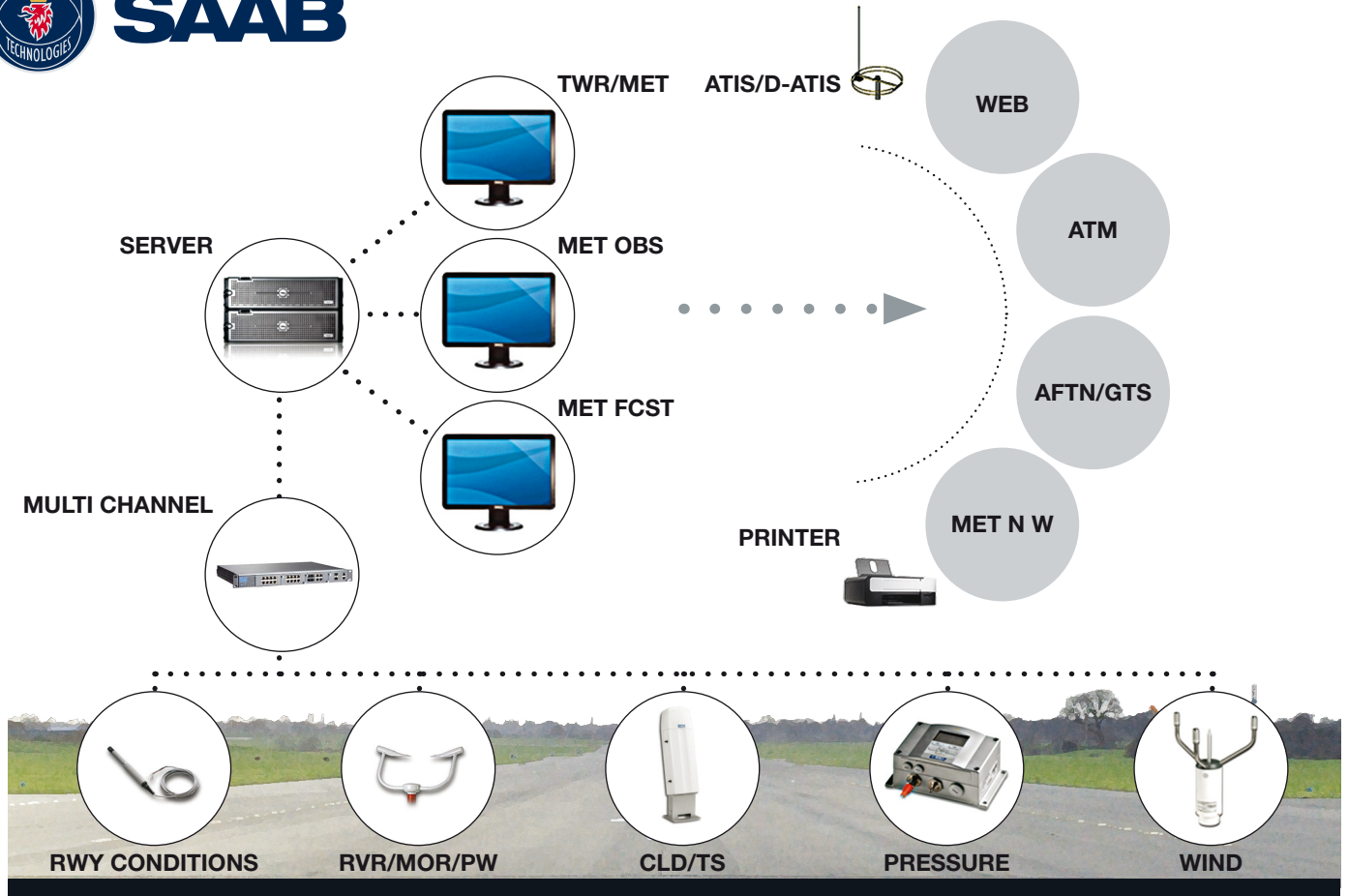
Regardless of your airport's size, Saab can offer "turn key solutions" that satisfy all your aviation weather needs. We provide everything from consultancy and site survey to assistance during the transition to the new system. We can also help produce the final documents needed for approval by authorities.

On-line support

The weather system experts at our Help Desk are happy to support you throughout your system's life. We always do our utmost to assist our customers – large as well as small!



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FEATURE HIGHLIGHTS

- Multiple runway support
- Redundant sensor systems
- Integrated ATIS
- Full logging and reporting
- Scalable system solutions
- User-friendly
- Customizable User Interface
- Very reliable system solution

HARDWARE

- Standard PC units or redundant server systems.
- Displays according to operational needs.
- Single or dual Ethernet LAN

DEVELOPMENT & QUALITY ASSURANCE

- Object oriented client/server architecture
- Development according to ESARR 6, ISO 9001-2005 + TickIT, ISO 14001
- HMI designed according to EUROCONTROL standards.

METEOROLOGICAL SENSORS

- Wind speed/direction (also Ultrasonic)
- Barometric Pressure
- Temperature
- Dew Point
- Relative Humidity
- Cloud Height and Sky Condition
- Visibility
- Present Weather
- Density Altitude
- Runway sensors
- Lightning & Thunderstorm Detection

I/O DATA

- AFTN/NATN
- GTS/MOTNE
- LAN/WAN
- ATIS/D-ATIS/DCL
- CCTV/ITV
- ATC systems (EUROCAT etc)
- Internet/Intranet

SYSTEM MONITORING

- Built-In-Test-Equipment (BITE), monitoring data, weather sensors, etc

ATIS

- A complete and approved ATIS functionality can be delivered either as an integrated software module in the AWOS server, or as a stand alone system with software and hardware.

AWOS VERSIONS

- MET OBS
- MET FCST
- TWR, APP, ATCC
- Simulator

SUPPLEMENTARY PRODUCTS

- ATIS (terminal information)
- METVIEW (ATC display)
- Thunderball (thunderstorm warning)
- FRENSOR
- IRIS (weather + AIS information)

Specifications subject to change without notice

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