



SAAB



AUTOMATED WEATHER OBSERVATION SYSTEM AWOS-7

AWOS-7 is the fourth generation of Automated Weather Observation Systems from Saab, with an outstanding concept for flexibility, integration, and distribution of weather information.

The freedom of choice

The AWOS-7 system is web-based in order to utilize all of the advantages from both operative and technical aspects. If the customer prefers, the same system can be operated through a client/server solution, or utilize both of the possibilities simultaneously.

This system solution offers you superior flexibility and freedom of choice, both in long and short terms.

Reliable and future-proof

The system is on the forefront of AWOS systems on the market in terms of meeting the requirements for the European Parliament Council regulation for interoperability of the European air traffic management

network. Essential requisites are safety and principles governing the logical architecture and construction of systems. AWOS-7 fulfils these requirements, giving a reliable, flexible and future-proof system.

Meeting the standards

AWOS-7 is developed in accordance with ICAO, EUROCONTROL and WMO regulations. It follows the software development guidelines from Radio Technical Commission for Aeronautics, European Organisation for Civil Aviation Equipment, and EUROCONTROL Safety Regulatory Requirements.

The system is developed for Windows 7 operating system which gives a quick and stable system that can utilize new technology in the best way. Together with .Net Framework, Silverlight and Windows Server 2008 a flexible system solution is obtained. AWOS-7 can be adapted to meet the requirements of every airport, from the small local system to a complex nationwide AWOS.

One licence, unlimited clients

You only need one server licence and an unlimited number of web clients can be used without further costs. This means, for example, a higher profitability for the airport when expanding your operations, and a more profitable solution for distributing weather information to third parties.

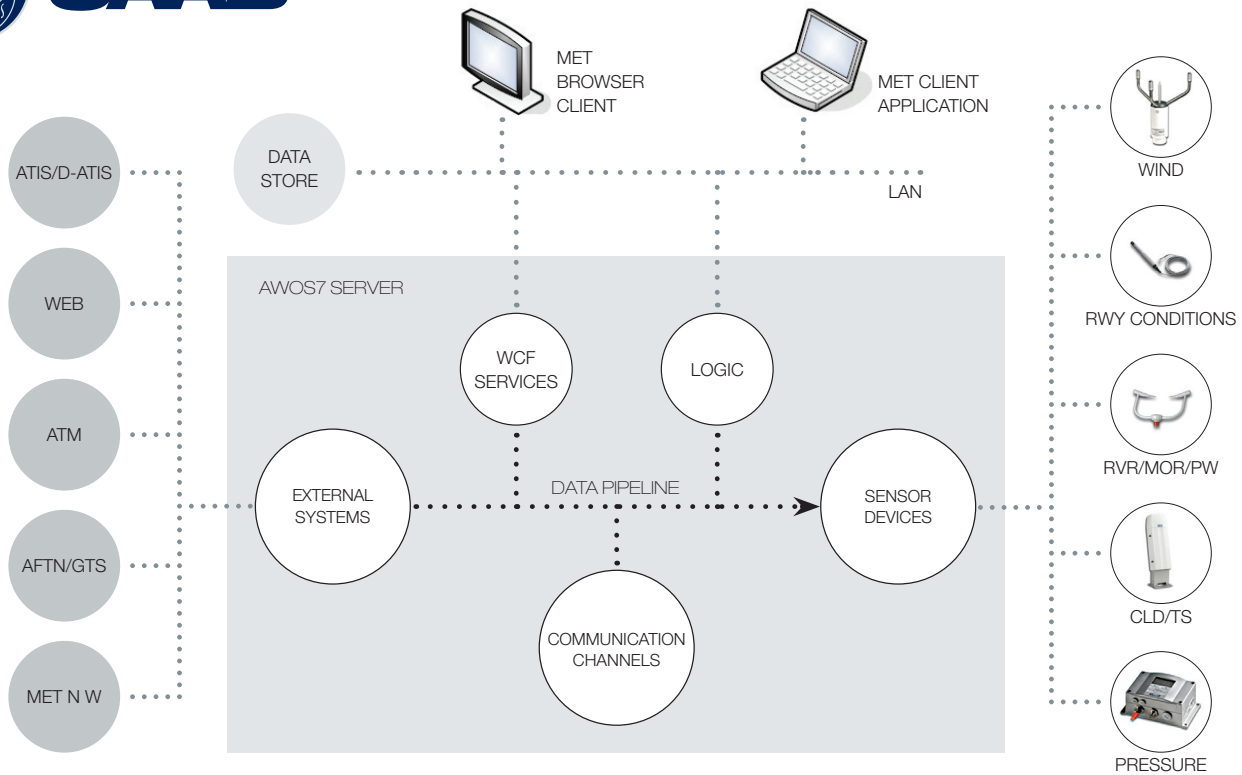
Reduced environmental impact

The combination of a web-based system and the possibility of integrating several functions such as ATIS, ATC-display and Thunderstorm Warning, etc, also affects the environment positively. Due to the integration possibilities in AWOS-7 a reduced quantity of hardware is needed, when compared to traditional systems, which in turn reduces the energy consumption.

AWOS-7 also simplifies the installation and commissioning and offers significantly lower maintenance costs.



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FEATURE HIGHLIGHTS

- Multiple runway support
- Redundant sensor systems
- Integrated ATIS
- Full logging and reporting
- Very reliable, scalable system solutions
- User friendly with customizable User Interface

HARDWARE

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

DEVELOPMENT & QUALITY ASSURANCE

- Agile software development (Scrum, Test driven, etc)
- Based on the .NET Framework
- WCF communication, running Windows 7, Workstation based on Silverlight
- Software development and quality assurance according to RTCA 278/EUROCAE ED 109, EUROCONTROL ESARR 6, ISO 9001-2005 + TickIT, ISO 14001, ISO 27001
- HMI designed according to EUROCONTROL standards

METEOROLOGICAL SENSORS

- Wind speed/direction (also Ultrasonic)
- Barometric Pressure
- Temperature
- Dew Point
- Relative Humidity
- Cloud Base and Sky Condition
- RVR & MOR
- Present Weather
- Transition 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 (BIT) monitoring and logging of system, sensors, etc

ATIS

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

SUPPLEMENTARY PRODUCTS

- ATIS (Terminal information)
- MetView (ATC display)
- ThunderBall (Thunderstorm warning)
- FRENSOR (Runway sensor)
- IRIS (Weather & AIS information)

Specifications subject to change without notice

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