



SAAB



SMALL AUTOMATED WEATHER OBSERVATION SYSTEM SMAWOS

SMAWOS is a thin version of AWOS7, the latest Automated Weather Observation System from Saab, with an outstanding concept for flexibility, integration, and distribution of weather information.

The freedom of choice

SMAWOS is based on ATIS and AWOS presentation in order to utilize all of the advantages from operative, technical and financial aspects. If the customer prefers, the system can be operated as a stand alone equipment at an unmanned airport or as an integrated system at a manned airport. 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. SMAWOS fulfils these requirements, giving a reliable, flexible and future-proof system.

Meeting the standards

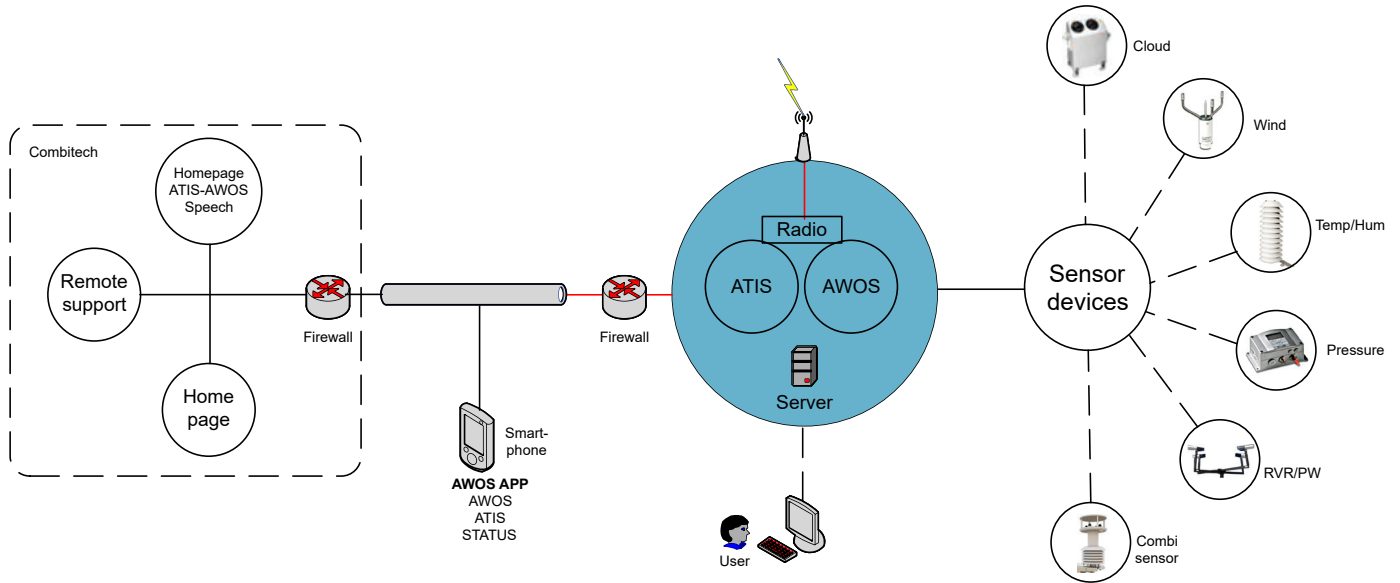
SMAWOS is developed in accordance with ICAO, EuroControl and WMO regulations. It follows the software development guidelines from Radio Technical Commission for Aeronautics, European Organisation for Civil Aviation Equipment, and EUROCONTROL Safety Regulatory Requirements.

The system is developed for Windows 7 which gives a quick and stable system that can utilize new technology in the best way. Together with .Net Framework and Silverlight a flexible system solution is obtained. SMAWOS can be adapted to meet the requirements of different airports, from the small unmanned to a manned complex domestic or international airport.

Reduced environmental impact

The combination of a web-based system and the possibility of integrating several functions such as ATIS and AWOS synthetic speech, including selected weather sensors, also affects the environment positively. Due to the integration possibilities in SMAWOS a reduced quantity of hardware is needed, when compared to traditional systems, which in turn reduces the energy consumption.

SMAWOS also simplifies the installation and commissioning and offers significantly lower maintenance costs.



OPTIONS

- Support via 3G and 4G
- Local weather data broadcast for Internet Airport Data Presentation (SMS/MMS)

STANDARD AWOS SOFTWARE

- Integrated ATIS
- Full logging and reporting
- Very reliable, scalable system solutions
- User friendly with customizable User Interface

HARDWARE

- Standard PC's/Mini PC/Embedded PC
- Displays according to operational needs
- Single 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 (Option)
- RVR & MOR (Option)
- Present Weather (Option)
- Runway Temperature sensors (Option)

SYSTEM MONITORING

- Built-In-Test (BIT) monitoring and logging of system, sensors, etc

I/O DATA

- ATIS
- LAN/WAN
- AFTN/NATN (Option)
- GTS/MOTNE (Option)
- 3G or 4G (Option)
- D-ATIS/DCL (Option)
- CCTV/ITV (Option)
- ATC systems (EUROCAT etc) (Option)
- Internet/Intranet/3G/4G (Option)

SUPPLEMENTARY PRODUCTS

- MetView (Option)
- ThunderBall (Option)
- FRENSOR (Option)
- IRIS (Option)

PROVEN

AWOS7 is approved by

- DWD, Germany
- Avinor, Norway
- LFV and Swedavia, Sweden