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Automated Weather Observation System AWOS7

AWOS7 is a world-leading modern Automated Weather Observation System, with an outstanding concept for flexibility, integration, and distribution of weather information.

The freedom of choice

The AWOS7 system is web-based in order to increase the possibility and flexibility to integrate a lot of different systems and sensors. The system can be operated through just one server as well as on multible servers/ clients depending on the customer needs.

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

One licence, unlimited clients

You only need one software 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.

Reliable and future-proof

The system is on the forefront of AWOS systems on the market in terms of meeting the requirements of the European Parliament and Council regulation on the interoperability of the European Air Traffic Management network. Essential requisites are safety and principles governing the logical architecture and construction of systems. AWOS7 fulfils these requirements, giving a reliable, flexible and future-proof system.

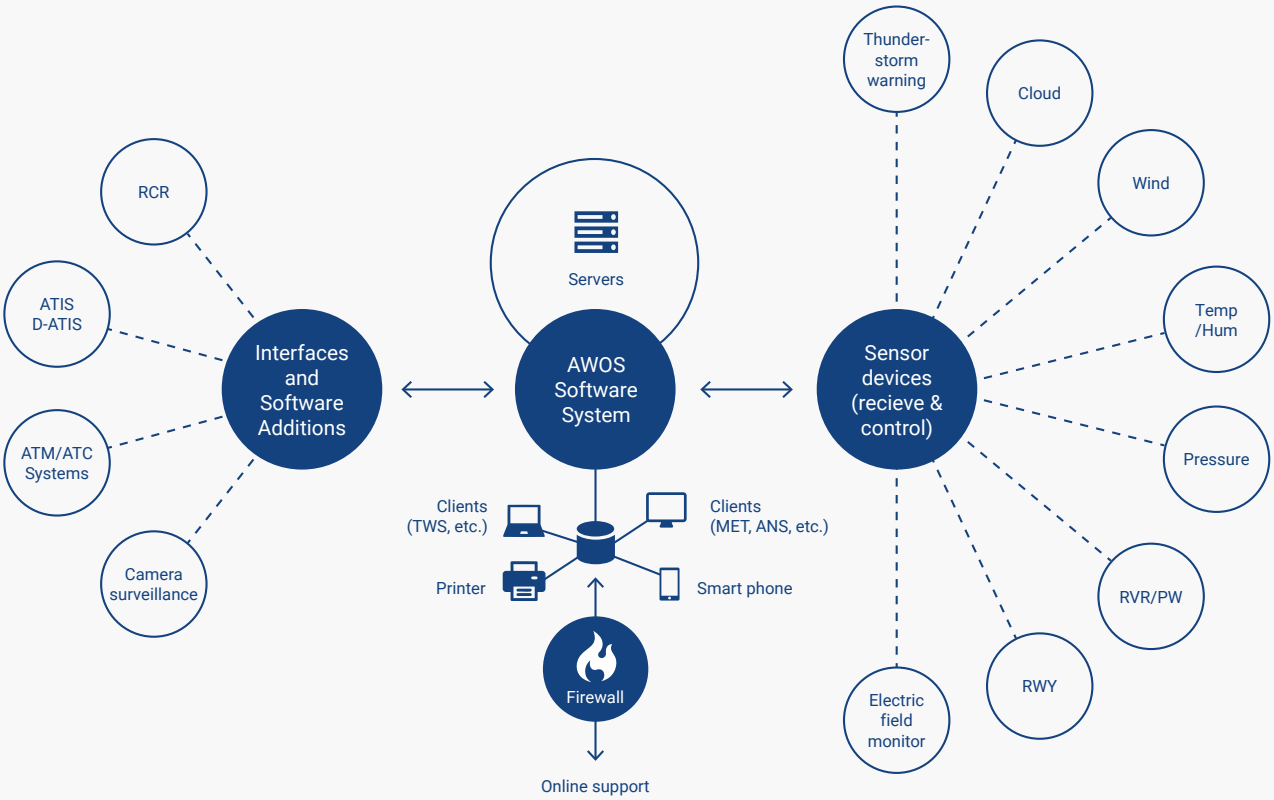
Reduced environmental impact through integration

The combination of a web-based system and the possibility of integrating several functions such as ATIS, D-ATIS, ATC-display, also affects the environment positively. Due to the integration possibilities in AWOS7 a reduced quantity of hardware is needed, when compared to traditional systems, which in turn reduces the energy consumption and provides increased availability.

AWOS7 also simplifies the installation and commissioning and offers significantly lower maintenance and life cycle costs.

Meeting the standards

AWOS7 is developed in accordance with ICAO, EASA, 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.



Feature highlights

- Multiple runway support
- Redundant sensor systems
- Single or redundant servers
- Ability to integrate ATIS, D-ATIS, Runway Condition Systems, Observation Cameras, Satellite-, Radar- and Forecast Images, Runway Light Intensity Systems
- Full logging, data export and reporting
- Very reliable, scalable system solutions
- User friendly with customizable User Interface

Hardware

- Rackmounted Servers or Standard Desktop PCs
- Displays according to operational needs
- Single or dual Ethernet LAN

Meteorological sensors

- Wind speed/direction
- Barometric Pressure
- Temperature
- Relative Humidity
- Cloud Base and Sky Condition
- Visibility and RVR
- Present Weather
- Runway sensors
- Lightning & Thunderstorm Detection
- Electric Field Sensors
- Solar radiation
- Precipitation

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