

# Unified information on weather conditions

## Stay on top of the weather with real-time meteorological information from **Insero AWOS**

The Automatic Weather Observation System, Insero AWOS, is the preferred tool of air traffic controllers to gain full overview of weather conditions. The system collects, handles, presents and distributes real-time weather information and can generate relevant reports – independent of sensor manufacturer.

### Automatic weather observation

Insero AWOS is an automatic or semi-automatic system for collecting, calculating and presenting meteorological information including Meteorological Aerodrome Report (METAR), MET REPORT including calculated Runway Visual Range (RVR). The system is designed to meet individual needs and can operate fully automated at e.g. airports, remote helicopter sites and wind parks or in a semi-automatic manner in a meteorological office or observation post.

### Prepared to scale your operations

Due to the unique and flexible design, Insero AWOS is weather sensor independent and scales from airstrips to multiple runway (CAT I/II/III) airports. It operates with the airport's current sensors and continues to operate if sensors are upgraded. This provides you with the possibility to add unlimited meteorological sensors from different manufacturers to the system without compromising information quality.

### One system – several configurations

Insero AWOS can be applied in several combinations which enables you to support operations in the way that fits your needs. For instance, you can broadcast meteorological data from MET REPORT and other important information for pilots by integrating the solution with our Automatic Terminal Information Service – ATIS.

Furthermore, you can apply the system in relation to e.g. helicopter platforms, wind parks and configure the system as an AUTO METAR or ATIS station for unmanned operation. Insero AWOS combines the fea-

tures of a complete weather observation system with advanced ATIS and remote-control function such as radio-controlled switching heliport lights and heliport cleaning.

The Insero ATIS software module can be integrated on all AWOS installations and comes with an intuitive HMI. The MET REPORT with weather information, runway in use, NOTAM, etc. can be automatically broadcasted on the airport/heliport/wind farm radio frequency using a digital speech synthesiser.

With Insero AWOS, we deliver a complete meteorological system including sensors if requested.

### System Technology

Insero AWOS provides an intuitive user interface and is based on a distributed network-oriented design. The software is based on a fault tolerant, redundant client/server platform specially developed to airport automation and integrating information systems.

Insero AWOS is developed in accordance with EUROCONTROL, EASA, ICAO, and WMO regulations and standards.



*Real-time, unified weather information*

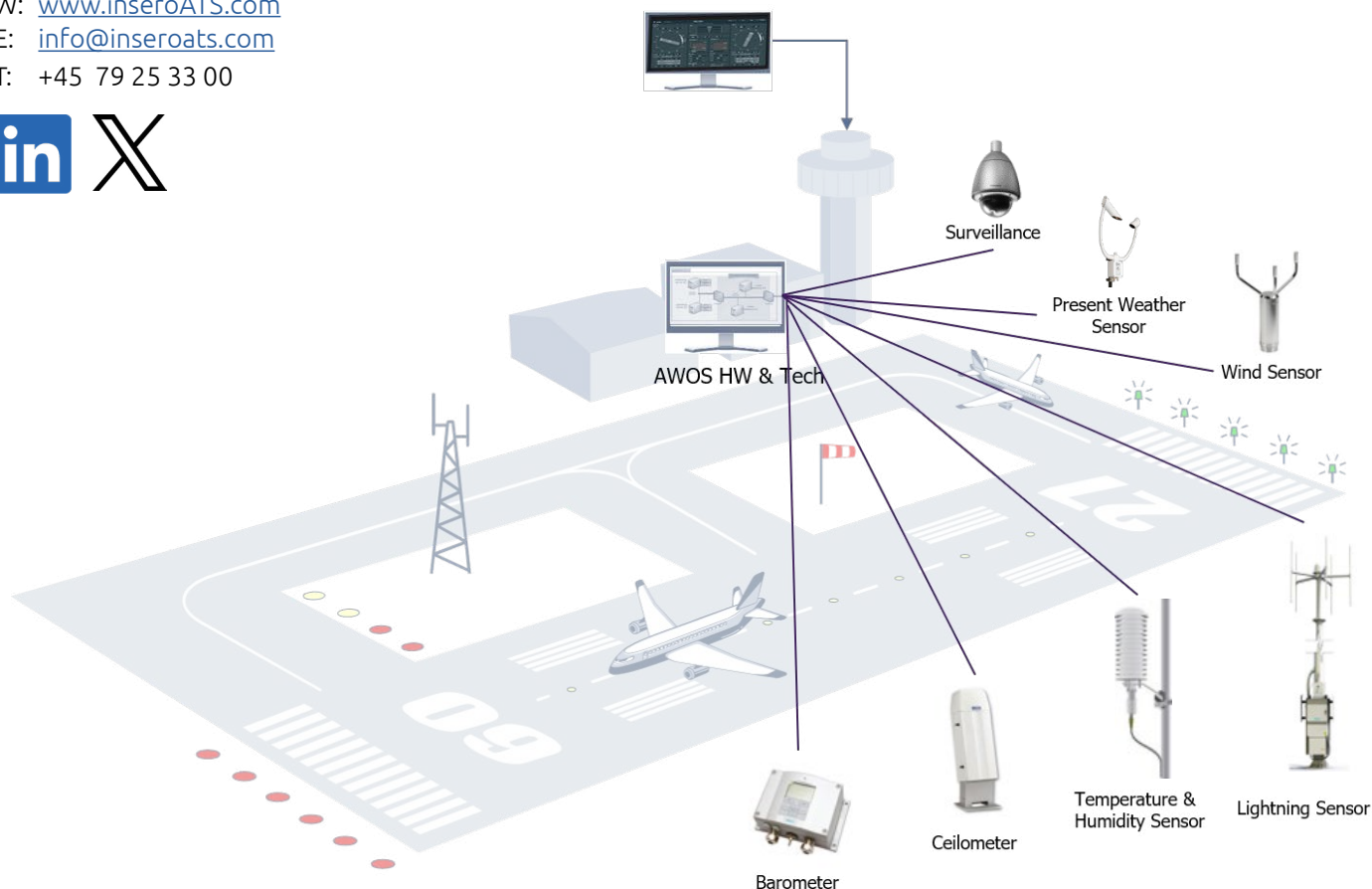
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*Designed for seamless integration*

## Key features

### Real time, unified weather system

Insero AWOS is a proven weather observation system which has been designed to meet the needs for unified, real-time weather information and reporting.

### Support for operational procedures

Simplified operations with automatic execution of operation sequences e.g. change of runway direction or change of CAT approach.

### Customised user interface for optimum efficiency

The modular and customisable user interface allows for adapted presentation layout to enhance efficiency and safety at each individual airport.

### Real time control and monitoring

Full situational awareness and operational status is provided for Insero AWOS and integrated weather sensors, independent of sensor manufacturer.

### Automatic weather observation

Whether to support automatic or semi-automatic systems, Insero AWOS solution can support air traffic controllers, weather observers and technical staff.

### Operation modes evaluation

Processing of health data for the weather sensors is presented for the air traffic controller and recommends preferred operation mode.

### Scales to operational needs

Insero AWOS scales to the needs, ranging from air-strips to multiple runway (CAT I/II/III) airports, or for e.g. helicopter platforms and wind parks.

### High quality synthetic speech

The ATIS broadcasts are automatically updated, and use advanced dictionary with options to utilize phonemes, alias and spell out methods.