



AIRPORT WEATHER ADVISOR®

Automated Weather Observing System

The Future of Aviation Weather: Innovative, Reliable, Certified

MESOTECH.COM

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U.S. Made, Globally Deployed

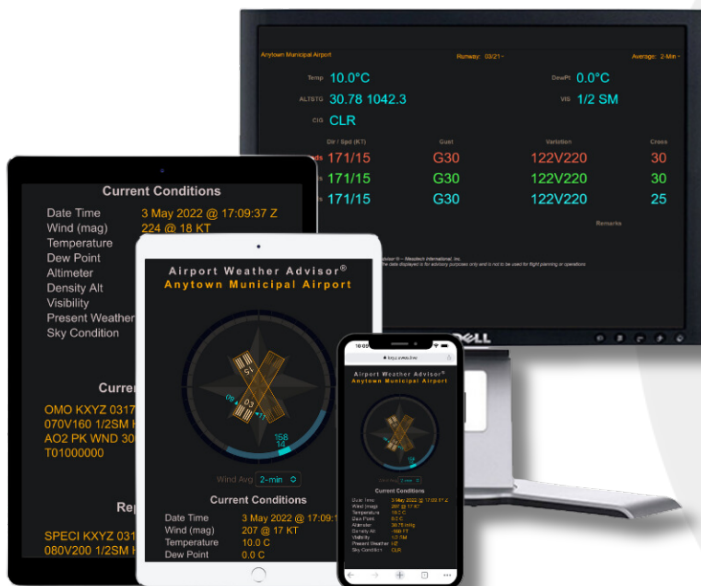
Our weather systems meet *Buy America* requirements and have been installed on all seven continents, including Antarctica.

AIRPORT WEATHER ADVISOR®

FAA Certified, ICAO/WMO Compliant Automated Weather Observing System (AWOS) for Meteorological Reporting at Any Size Airport from AWOS A to AWOS IV Z

- **Fully automated reporting** of METAR, SPECI, SYNOP, MET Report, TAF generated in TAC and IWXXM formats.
- **Voice reports** via telephone and ground-to-air transmitter (VHF or UHF) available in English, Spanish, French, and bilingual options.
- We provide **assistance, guidance, and advice** at every stage of your AWOS project, starting from new grant (AIP) submissions, all the way to installation and commissioning for both new systems and replacements/upgrades.
- AWOS Replacement systems can **re-use existing infrastructure** including concrete pads, towers, and electrical infrastructure.
- **Free training** for local airport or third party maintainers to reduce ongoing maintenance costs.
- **AWOS Live** cloud platform streaming up-to-the-second weather data.
- Optional **Backup AWA® AWOS** equipment available.

SCAN FOR MORE
INFORMATION
ABOUT AWA®



VIEW YOUR WEATHER IN REAL TIME WITH

AWOS LIVE

Stream your Airport's weather data securely with our mobile-friendly web application bringing you up-to-the-second aviation weather data to any screen.

AIRPORT WEATHER ADVISOR®

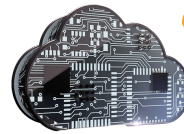
SYSTEM OVERVIEW

Available Sensors:

- Dual Barometer
- Wind Speed
- Wind Direction
- Temperature
- Relative Humidity
- Visibility
- Precipitation
- Cloud Height
- Present Weather
- Thunderstorm
- Freezing Rain

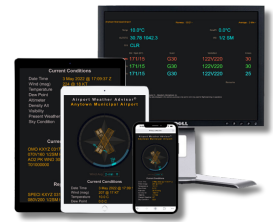


**AIRFIELD
STATION**



AWOS LIVE

AWOS Live cloud data management, & remote monitoring



AWOS Live data on any screen

Data Link by Wire,
Fiber, or RF



**CENTRAL
PROCESSING
STATION**



Broadcast Voice
Reports



Dial-Up
Reporting

AWA® Automated Weather Observing Systems consist of an **outdoor airfield station** with meteorological sensors, an **indoor central processing station**, and a secure cloud platform **AWOS Live**. The airfield station collects sensor data, checks the data quality, and sends the data along with diagnostic information to the central processing station. The central station processes sensor data into weather observation reports. The sensor data, observation reports, and maintenance information are viewed on the Operator Terminal and archived in the central station. A voice weather observation is broadcast to pilots by radio and is available by dial-up telephone. AWA is designed for continuous 24-hour cloud data remote monitoring and access through AWOS Live.

AWOS Live

Accurate up-to-the-second Live Weather Data streamed from your airport to your fingertips

Support

Live diagnostic data streams from your AWOS to our support center

Cybersecure

AWOS Live keeps your critical weather equipment safe, secure, and out of reach of potential cyberattacks

General Performance Standards

FAA type-certified system in accordance with Advisory Circular No. 150/5220-16, latest edition. Systems are installed in accordance with the siting criteria in FAA JO 6560.20, latest edition.



WHAT IS AWOS LIVE?

A MOBILE-FRIENDLY, SECURE, CLOUD PLATFORM BUILT FOR AIRPORT WEATHER ADVISOR®

Included with every Airport Weather Advisor® system. Using a web browser or mobile device, navigate to your airport's custom AWOS Live domain from anywhere in the world.

Your airport's URL is: [https://\[ICAO ID\].awos.live](https://[ICAO ID].awos.live)

- STREAM UP-TO-THE-SECOND WEATHER DATA
- PROVIDE USER-FRIENDLY MOBILE DISPLAYS
- SELECT CONFIGURABLE WIND AVERAGING
- DISPLAY ACTIVE NOTAMS AT YOUR AIRPORT
- LIST OBSERVATIONS FROM NEARBY AIRPORTS



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THIS IS THE NEXT GENERATION CLOUD PLATFORM FOR AWOS
CONTACT OUR MARKETING & SALES TEAM FOR A LIVE DEMO



DESIGN. BUILD. INSTALL. SUPPORT.

WE DELIVER AVIATION WEATHER SOLUTIONS —START TO FINISH.

ABOUT MESOTECH

Based in Sacramento, California, Mesotech originally supplied small meteorological stations to various industries. With over 30 years of experience, we have established a global client base, including hundreds of airports worldwide. Despite our success, we still prioritize personal attention and customer service, which is the foundation of our reputation.



Our weather systems have been installed globally, and have been in continuous use by the US Air Force since 2001. As a prime contractor, we provide engineering, helpdesk, and logistics support for 220+ USAF/Army systems worldwide and were recognized as the Region IX Small Business Prime Contractor of the Year in 2014. **Leveraging our extensive expertise from military operations, we are proud to offer high-caliber weather systems to any airport.**



It's the personal touch that matters and that's where we here at Mesotech outshine all the rest. Customer service matters to us and we deliver in a way that the larger companies can only dream of. Our help desk is fully staffed by engineers and technicians who provide daily support. When you call us, we answer, we listen, and we act fast producing solutions quickly and efficiently.

Our California-based staff has experience wherever you need us. Mesotech engineers have traveled worldwide for turnkey installations, troubleshooting, maintenance, training, and general support in all kinds of demanding terrain and weather conditions.



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