

DTN MetConsole® Automated Weather Observation System (AWOS)



A complete weather solution, customized to you.

Weather can be fickle. And unfortunately, that unpredictability can have real implications for your airport's daily operations. In fact, studies show weather is responsible for as much as 76 percent of air traffic delays. But with the DTN Automated Weather Observation System (AWOS), part of the MetConsole Aviation Weather Suite, you get a flexible, reliable weather-observation system that provides you with the accurate information you need to ensure your airport operations run smoothly while keeping people safe.

With DTN AWOS, you can:

- Minimize flight delays and cancellations.
- Keep personnel and passengers safe by avoiding potential weather hazards.
- Maximize operations through more effective planning.
- Automate your weather observations to meet your specific compliance standards.



DTN MetConsole AWOS

Enabling safer, more efficient flight operations.

AWOS is a highly configurable, software-based aviation weather information system that provides you with the real-time weather information you need for daily operations. Flexible and reliable, this comprehensive state-of-the-art solution can track, store, and share data that can ultimately lead to better business decisions.

How it works

- Weather data is continuously gathered from field instrumentation and other airport systems.
- AWOS performs the data calculations necessary for reportable observations.
- Data is processed and verified for quality.
- Information is distributed to all appropriate aviation users.
- All historical data is stored in redundant servers.
- The system can be tailored to your specific requirements using a variable combination of calculations, quality checks, and algorithms.

A fully customizable solution

- Flexible architecture and modern technology frameworks let you automate weather observation functions that are critical to safe, efficient airport operations.
- The graphical editor and configuration tools let you design the human/machine interface to your unique specifications.
- The system meets stringent aeronautical weather observation requirements and complies fully with all relevant international standards, such as ICAO Annex and Doc, WMO Guides, ARINC, EUROCAE, ESARR, ISO, EN, and CE—ensuring efficient integration with other air traffic management systems.
- AWOS is sensor-independent, so you can use the sensors that best suit your operation.

The DTN advantage

- We've been independently rated as having the most accurate weather forecasts.
- Our proprietary technology makes us a market leader in weather observation systems.
- We offer unique observations, location-based forecasts, and the most advanced decision support tools.