



aviation weather



CampbellAero™

— AWOS SOLUTION —



Campbell

S C I E N T I F I C™

Our Story

For over 50 years, Campbell Scientific has been a leader in precision measurement technology, trusted worldwide for reliability and innovation. Now, you can experience that legacy in aviation weather monitoring with CampbellAero™—a complete Automated Weather Observing System (AWOS) solution enhancing airport safety, efficiency, and decision-making.



CampbellAero Solution

Your complete AWOS solution, elevating aviation weather monitoring with Campbell Scientific quality

CampbellAero is a comprehensive AWOS solution integrating cutting-edge software, hardware, engineering, and project services to deliver accurate, real-time, reliable weather data. Built to International Civil Aviation Organization (ICAO) and World Meteorological Organization (WMO) compliance standards, CampbellAero ensures safe and consistent operations for airports of all sizes.

With the increasing challenges of rapid travel growth, climate change, and extreme weather, airports require smarter, more cost-effective meteorological solutions to ensure safe and efficient air transportation. CampbellAero delivers precisely that—providing airports with the data they need to adapt, optimize operations, and enhance aviation safety. Our solution provides seamless integration, real-time insights, scalability, and durability, empowering airports to enhance safety, improve efficiency, and stay ahead of evolving regulatory requirements.

Whether you're an Air Navigation Service Provider (ANSP) seeking a flexible system that evolves with regulatory changes, a National Meteorological Service requiring accurate, real-time weather data, or an airport owner or operator seeking a streamlined, scalable AWOS at a competitive price, CampbellAero is built for you. Regardless of your specific requirements, we provide expert guidance in selecting, designing, and implementing the perfect solution. Whether you prefer us to handle the installation directly or work alongside integrators, we are committed to ensuring your solution is installed correctly and operates at its optimal performance.

Our turn-key, customizable solution simplifies weather measurement and data visualizations, integrates seamlessly with existing infrastructure and third-party sensors, enhances safety through reliable METAR and TREND forecasting, and ensures long-term support, so you can focus on keeping airport operations running smoothly.



Designed for air traffic controllers, observers, and forecasters, CampbellAero provides tailored user interface (UI) designs for each department, ensuring quick decision-making with the data they need, instantly accessible.

Behind CampbellAero is the same Campbell Scientific team committed to constant innovation, long-term support, and partnership in aviation safety.

Why choose our CampbellAero solution?

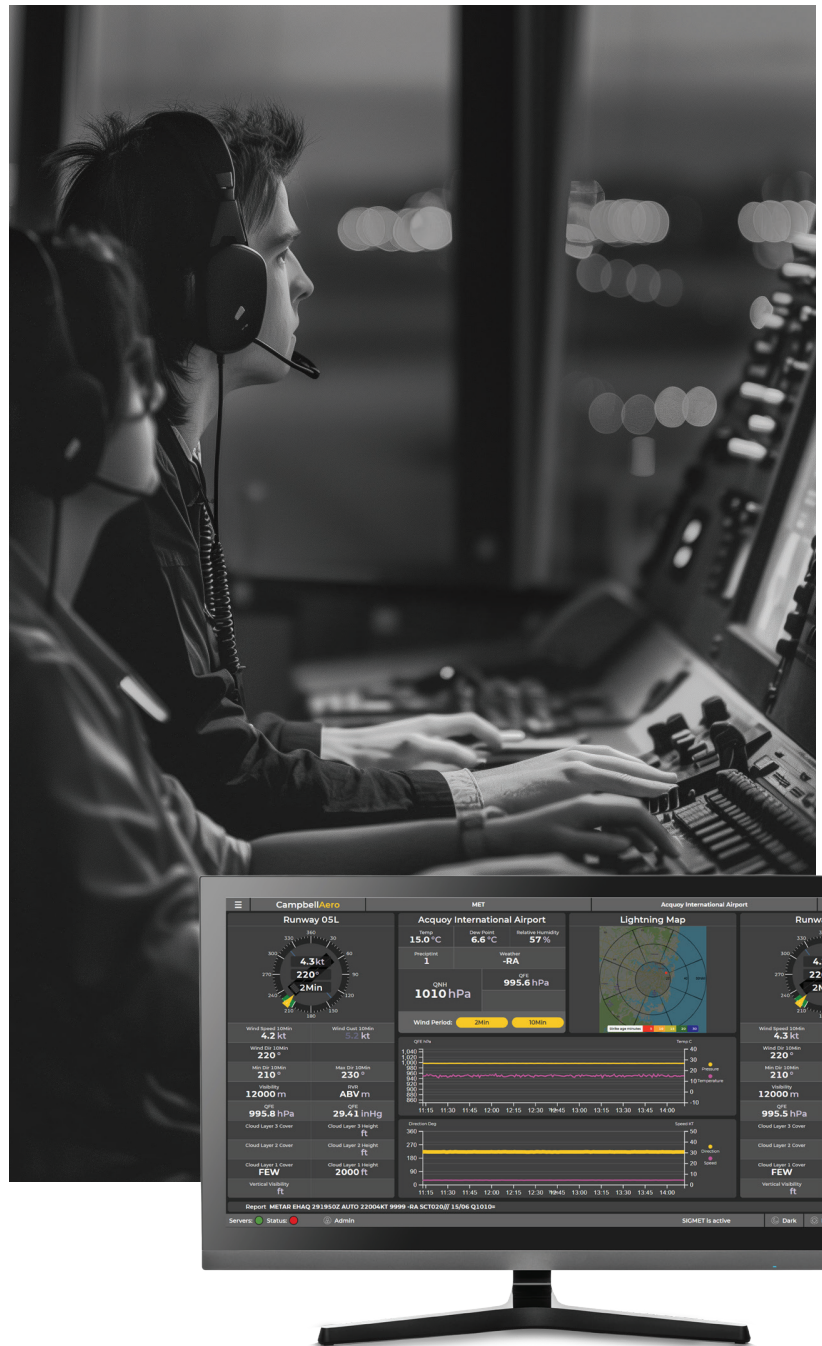
Streamlined Solution: A trusted turn-key AWOS solution offering hardware, software, and engineering services. This comprehensive package is fully customizable to meet your airport's unique requirements, offering reliability, longevity, and flexibility all included in one tested and proven package.

Real-Time Insights: Provides instant access to high-quality, precise aviation weather data for informed decision-making

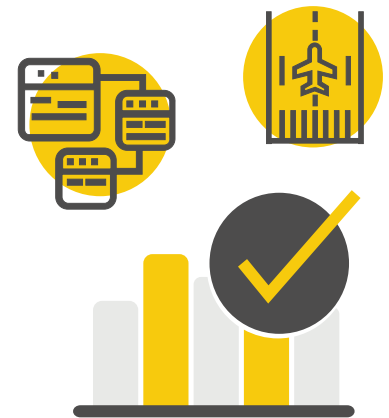
Scalable and Future-Proof: A future-proof, scalable design that evolves with your airport's needs, allowing for growth without the need for system replacements, saving valuable time and resources

Durable and Reliable: The Campbell Scientific legacy of reliable and rugged equipment engineered to withstand extreme conditions with minimal maintenance

Compliance: CampbellAero AWOS and runway visual range (RVR) solutions that are ICAO, WMO, and Manual of Surface Weather Observation Standards (MANOBS) compliant and built to sustain a low total cost of ownership over time



Comprehensive Support: Expert guidance from the outset to help you select, integrate, and install the right solution, with ongoing maintenance for long-term reliability. Supported by local teams around the world, you receive tailored, dependable assistance whenever you need it and wherever your airport operates.





CampbellAero Software

Feature-Rich, Reliable, and Scalable

Our CampbellAero software is the core of the CampbellAero AWOS solution, serving as both the intelligence and engine that drive the entire system. ICAO/WMO compliant, CampbellAero software is highly configurable to meet the specific needs of airports of all sizes. As a true decision support system, various airport weather operations are supported through a browser-based interface, featuring advanced diagnostics, remote monitoring, and maintenance capabilities. CampbellAero provides real-time data and insights to support informed decision-making. These features ensure comprehensive support for all aspects of airport weather management, ultimately enhancing safety, efficiency, and overall operational performance.

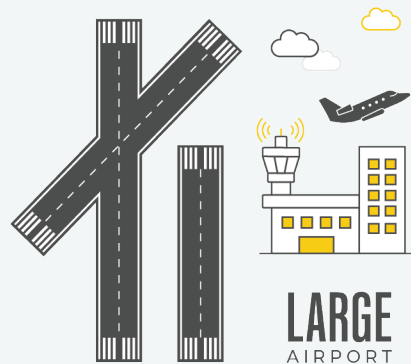
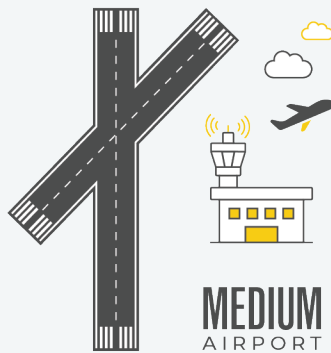
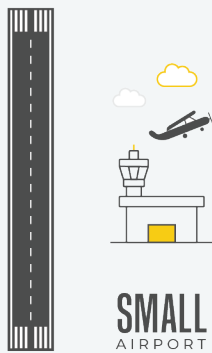
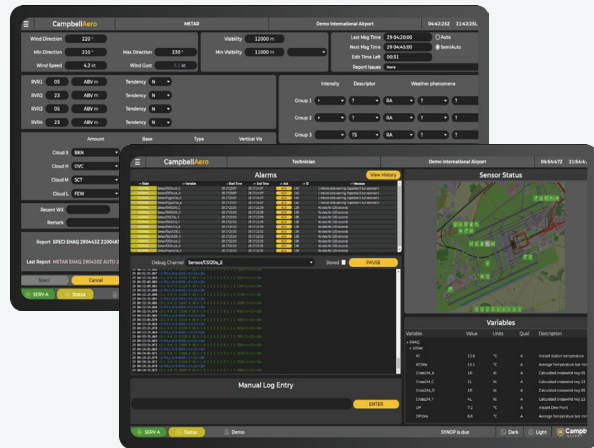


Features and Benefits

- **Regulatory Compliance:** Meets ICAO/WMO and regional aviation standards for safety-critical applications
- **Competitive Pricing:** Feature-rich software package at an attractive price
- **Airport-Specific Customization:** Tailored solutions managed by a professional project team
- **Intelligent System Integration:** Capable of integrating with systems like lightning detection and weather radar
- **Agnostic, Open-Sensor Platform:** Compatible with existing equipment, avoiding supplier dependency
- **Automatic/Semi-Automatic Modes:** Supports METAR/SPECI/METREPORT generation for seamless operation
- **Customized User Workspaces:** Dedicated workspaces for aviation personnel like air traffic controllers, forecasters, and technicians
- **Flexible Screen Layouts:** Single or multi-runway capabilities with adaptable layouts for airport workflows
- **Browser-Based Interface:** Specific hardware and software not needed, offering ease of use
- **Advanced Diagnostics and Monitoring:** Self-test and status monitoring with real-time user access
- **Security and Access Control:** Administrator-defined user groups and permission settings for enhanced security
- **Remote Monitoring and Maintenance:** Saves resources and increases uptime with remote diagnostics and redundancy switching
- **Redundant Servers:** On-premise default with compatibility for Linux or MS Windows OS
- **Future Upgrade Path:** Remote tower/regional hub capabilities available at competitive pricing
- **Scalable Solution:** Ability to grow with your airport, eliminating the need for full system replacements

AWOS Solutions

The flexibility of CampbellAero enables a comprehensive range of AWOS solutions that are tailored to meet the unique needs of every airport, regardless of size. Your solution will include a customized engineering design, robust hardware, and compliant software. Whether you run a small regional airport requiring a non-precision approach (NPA) solution or a large international CAT III hub, our solutions are designed to match the complexity of your operations. With CampbellAero, you can enhance safety, efficiency, and overall operational performance.



Comprehensive Services

Forging Safety and Insights Through Partnership

At the core of CampbellAero is our commitment to providing flexible, accurate, and actionable data to enhance aviation safety, efficiency, and confidence. From purchase through the product's lifetime, our dedicated support team is available to assist with installation, troubleshooting, and ongoing maintenance.

Additional comprehensive services may include training, long-term maintenance, or service-level agreements.

Our global network of offices ensures that we provide local support with global expertise. Customers can worry less about system downtime and focus on the important work of keeping airports, airlines, and passengers safe while maintaining efficient operations.



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As a trusted provider of measurement solutions since 1974, Campbell Scientific has delivered the information that helps mitigate severe weather casualties; aids scientists in gathering data to assist in the understanding of climate change and other human-made environmental impacts; and supports countless organizations, institutions, and national agencies in providing more efficient services to their people. Our instrumentation hardware is known to be the best in the business. Our software services provide an unrivaled level of insight. Our project delivery expertise combines both to deliver a unique end-to-end solution capable of changing the world.



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