

A photograph of an airport at dusk or dawn. A tall, modern air traffic control tower stands prominently on the right side. In the background, a large terminal building with a series of arched windows is visible. The foreground shows the tarmac with various ground service equipment and vehicles. The sky is a mix of blue and orange hues. A diagonal blue overlay covers the left side of the image, where the text is placed.

VAISALA

Vaisala AviMet[®]

Complete aviation weather
management

Your mission is to ensure safe and efficient takeoffs and landings in ever-changing weather conditions. This is no small feat. It requires accurate, real-time weather data at your fingertips — without disruption, even during the harshest conditions.

Vaisala AviMet® is a scalable, highly configurable aviation weather management solution suitable for any airport, any geography, and any climate. It seamlessly integrates a wide range of world-class sensors, observation systems, remote sensing devices, and data to support better decision-making and improved safety. And it gives users confidence that they are providing the right information to the right stakeholders, at the right time.

Any airport, many purposes

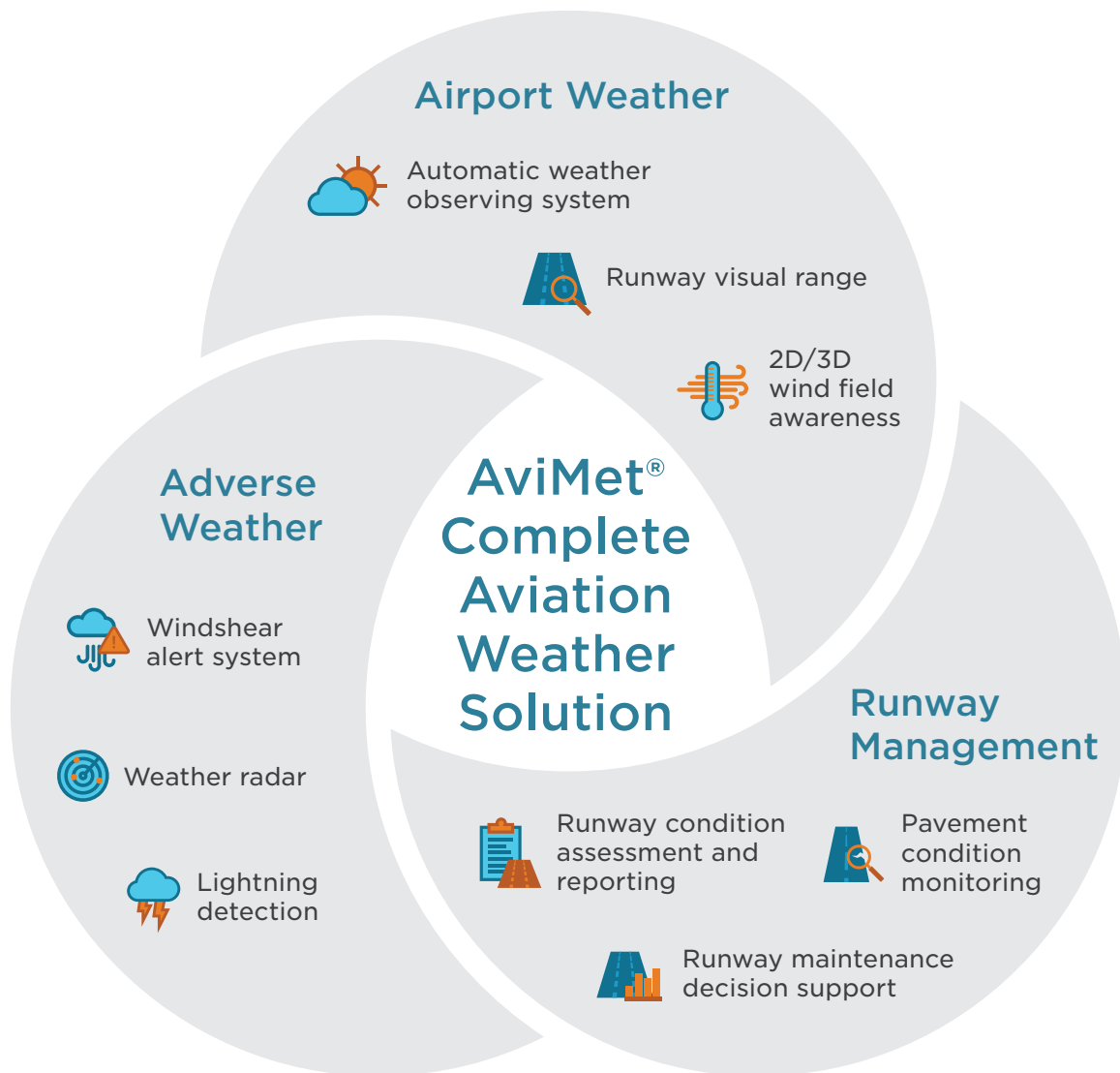
AviMet combines assessments of wind, visibility, cloud height, pressure, lightning, windshear, precipitation, runway surface conditions, and more to produce real-time reports and alerts that guide air traffic controllers, pilots, ground personnel, and other users. Its sensors are designed specifically for aviation and chosen based on the unique needs of an airport. The core system can therefore be scaled all the way from small uncategorized airports to the largest CAT III hubs.

By bringing together advanced sensor and system algorithms with accurate weather observations and reporting, AviMet enables comprehensive situational awareness of the weather within and above the boundaries of the airport. As a result, it supports many different uses in aviation:

- Aeronautical meteorological reporting and forecasting
- Air traffic management and control
- Pilot decision-making
- Runway condition management and reporting
- Airport ground operations

The AviMet solution and its sensors conform to all relevant ICAO standards and recommendations, as well as WMO regulations and guidelines.





Obtaining value from data

Accurate observations and advanced algorithms → Safe, efficient operations

Reliable systems → Continuous operation

Complete situational awareness → Correct, timely actions

Proven long-term support → Long-term value, low life cycle cost

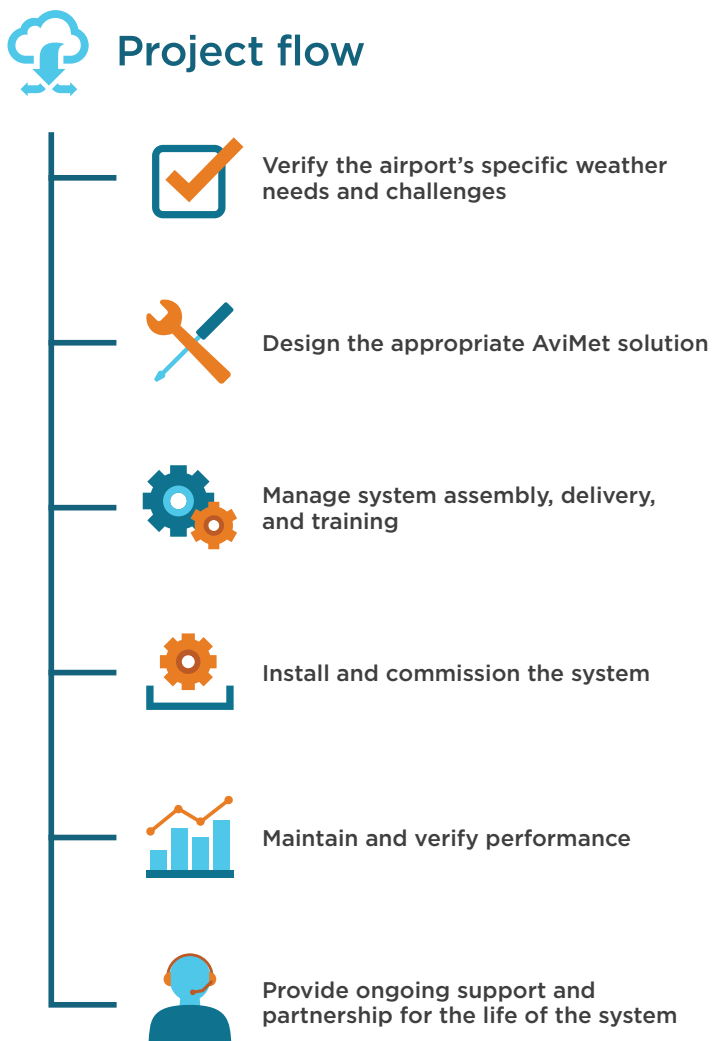
Built for aviation, adaptable for any airport

AviMet ensures low life cycle costs and allows for comprehensive situational awareness of airport weather at all times, since all sensors and systems are developed and supported by the same vendor. AviMet makes weather data available in the most user-friendly way.

Furthermore, Vaisala's decades of experience and unmatched applied-science knowledge ensure that as airport needs evolve, AviMet integrates new systems, sensors, and upgrades seamlessly.

Building the right solution

Vaisala is trusted throughout the industry for our service, in-house application and systems expertise, project management, and ongoing support. Here's how we build each AviMet solution and ensure airports get just what they need.




Vaisala support and industry leadership

Vaisala is the most experienced aviation weather company in the world, and the AviMet suite of solutions is built on more than 45 years of aviation experience. It is trusted in more than 160 countries, from the Nordics to Africa, the Americas, and Asia.



45+ years
of aviation experience



100+
AviMet system and project
deliveries each year



160+
countries served



1,000+
AviMet installed base

Every single flight
will at some point use
weather data produced
by Vaisala equipment
and/or forecasts driven
by Vaisala sensors.





VAISALA

www.vaisala.com

A sustainable partner

Vaisala is home to many of the industry's brightest scientists, creators, and innovators. Regardless of their role, everyone at this company is responsible for helping develop environmentally and socially sustainable solutions.

For decades, our products have provided exceptionally long service lives, reduced consumption and waste, and eliminated costly human travel and maintenance. As you read this, Vaisala technology is helping communities around the globe understand and mitigate the effects of climate change.

Our progress continues.

Visit www.vaisala.com/airports for more information.

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