

Weather Radar WRS300 for Aviation

VAISALA

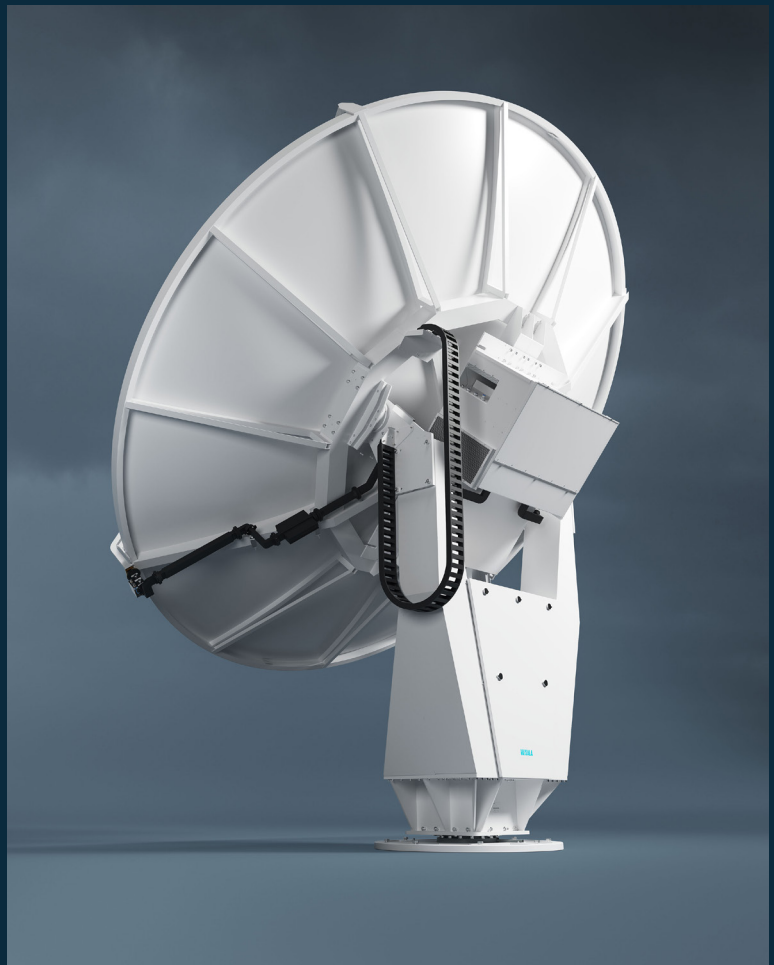
Product Spotlight

Trusted aviation weather from cloud to ground

Get cutting-edge C-band radar technology for actionable weather information at and around the airport.

The future of weather radar design is here. And it's Solid.

Having access to accurate and timely weather information is crucial for safe and efficient airport operations and to mitigate the impact of adverse weather.



Key benefits

24/7 reliability in any environment from temperature and humidity to high altitudes, structural icing, dust, wind, power outages, and more.

Simplified structure requires no RF rotary joints, waveguide switches or site-specific parts. This enables increased data quality, reliability and lower costs.

No need for a large equipment room so site construction work is less extensive, with less maintenance and costs. Can also be located at a central site or server room.

Ease of integration specifically designed to seamlessly integrate with Vaisala IRIS Remote Sensing Software.

Low life cycle costs of SSPA transmitters without the need to replace expensive consumable parts, unlike tube based transmitters.

World-class pedestal enables fast and stable antenna control to ensure high accuracy.

Why Vaisala?

For over 45 years, Vaisala has been a pioneer in aviation weather technology, ensuring that every measure is taken for unparalleled safety, efficiency, and sustainability.

Our gold standard suite of solutions is trusted in more than 170 countries and over 2000 airports globally. In fact, every commercial flight around the world will use weather observations produced by Vaisala equipment or forecasts driven by our sensor measurements at some point in their journey.

With a commitment to constantly evolving our portfolio, Vaisala remains at the forefront of the industry, continuously exploring new horizons

The newest addition to Vaisala's solid state radar family, Vaisala Weather Radar WRS300 leverages cutting edge technology to provide large area coverage and exceptional accuracy in a compact, low-maintenance package. The result is improved assessment, prediction, and preparation of adverse weather, such as thunderstorms and windshear, at and around the airport.

Simple deployment enables streamlined site selection with quick and easy installation, plus integration into existing networks, Vaisala AviMet AWOS or airport weather systems. The WRS300 offers comprehensive coverage with fully-integrated and optimized radar networks.

Our commitment to solid state technology, compact architecture, and built-in redundancy with no consumables provides the most sensitivity to deliver exceptional accuracy at optimized life cycle cost.

