

VAISALA

Armed with weather knowledge



Better, safer

Better local knowledge has always given defense forces an advantage. Accurate weather measurements yield better timing, troop readiness and system performance, from ballistic trajectory correction to shipboard defense. Vaisala solutions help decision-makers to make better choices – ensuring safe and effective operations in all weather conditions.

Faster, lighter

The trend towards fast acting, highly mobile military and disaster response missions inspired Vaisala to take a leadership role in developing quickly set-up, rugged and often mobile weather measurement solutions for all applications.

Global leader

Over the past 50 years we've helped many of the world's leading defense forces achieve better weather intelligence. In that time we have

emerged as the global market leader in surface and upper air observation systems for the complete spectrum of defense applications.

Sharpening your senses

Decades of experience with the world's leading defense forces have given Vaisala a detailed understanding of tactical weather requirements. We offer complete end-to-end service, from project management to training, installation, maintenance and full logistical support.

Project management and training

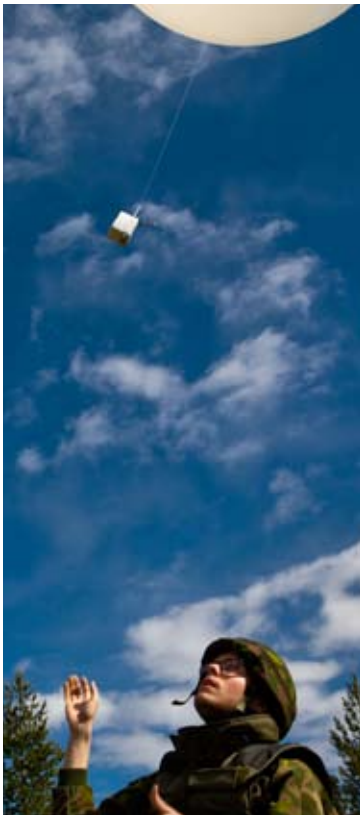
From planning to site surveys, installation and validation, our AQAP 2110-certified organization manages turnkey projects worldwide. We can provide the skills you require to master your solutions. Our experienced instructors first provide a solid grounding in theory, then help you to apply what you have learned.

Benefits

- Long track record
- 70 years of experience
- Lifecycle support and services
- Field proven solutions
- Key products fulfill relevant international standards
- Certified AQAP2110 and ISO9001 organization
- Defense customers in 50 countries worldwide

Support, maintenance and upgrades

Even the most reliable systems need scheduled support and maintenance. Vaisala's global presence ensures that you get assistance wherever – and whenever – you need it. Modular service contracts and maintenance programs can guarantee the availability of critical weather data around the clock, while our planned upgrade path makes spare and replacement parts available throughout your system's lifecycle, effectively lowering lifetime costs.



Sea. Land. Air. Better solutions for superior results.

Military aviation and Unmanned Aircraft Systems support

Most unmanned aircraft fly at low altitudes and so are directly affected by weather. Considering the high value of payloads, accurate weather information is crucial. Vaisala aviation support solutions range from tactical systems for temporary airfields, heliports and UAS operations to fixed-base aviation weather solutions. Systems fulfill ICAO and FMH-1 requirements and have become the standard for many militaries.

Ballistic weather

Weather is responsible for two thirds of long-range fire accuracy error. Vaisala's radiosounding system for defense records the vertical profile of humidity, wind speed and direction for greatly increased first-round-on-target probability. The most user-friendly and fastest to deploy in the market, it fulfils all relevant MIL-standards. It's also currently in use by the majority of the world's militaries.

Naval weather

Accurate atmospheric information is vital to navigation, ship self defense, ballistic preparation, aviation support, and as input for onboard systems. Vaisala has been providing shipboard weather observation and data collection systems for over 30 years, including the only modular, highly customizable offshore-dedicated system available.

Test ranges and space centers

Ensuring safe launches requires precise knowledge of weather conditions from ground level to upper altitudes. Vaisala's full range of meteorological observation systems includes weather radars, wind profilers, surface weather networks and more.

Situational awareness and resource protection

Prepare early for adverse weather; respond quickly to CBRN threats. Vaisala's meteorological observation systems safeguard troops and civilians by delivering weather information to all levels of the command chain in standard message formats for NWP (Numerical Weather Prediction) and REP (Recognized Environmental Picture) models.

Profiling from aircraft

By profiling winds, dropsondes provide data for numerical weather models. Wind profiles also improve the accuracy of precision payload drops from high altitudes. Vaisala's dropsonde application is designed to acquire data where ground access is denied or otherwise impractical.

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For more information, visit www.vaisala.com or contact us at sales@vaisala.com

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