

Foreseeing what the weather will bring

/ VAISALA METEOROLOGICAL
AND HYDROLOGICAL SOLUTIONS



VAISALA

Forecasting the forces of nature

Wind and water are the Earth's quicksilver: elusive, chameleon-like, often unpredictable. Their interaction affects our lives in many ways each day. Knowing more precisely what the weather will bring is critical to a safer, more secure living environment.

The Vaisala difference


We believe in a world where environmental observations improve daily life. Better measurements, greater predictability, fewer unpleasant surprises. As the effects of climate change make themselves felt, accurate environmental forecasting and measurement solutions are becoming ever more important. Our motivation, however, extends further than that. We are focused on the greater good – we truly believe that quality of life can be improved all around the world, every day with better prediction of extreme weather events.

Today, the widespread effects of severe weather and hydrological events pose challenges to a growing part of populated areas. Vaisala aims to provide means for predicting and thus helping counteract and alleviate the impacts of these effects in a way as to protect lives and property. Better preparedness, increased safety, fewer losses.

Experience and innovation

As a leading supplier of innovative environmental measurement and observation systems and services, we have been helping to predict





the unpredictable for decades. We have the experience to help you plan and configure the system that's right for your meteorological and hydrological needs. Our extensive knowledge of meteorology and hydrology applications coupled with our vast experience in observation technology has allowed us to create solutions even for the most unimaginable places. Our worldwide presence and network of local partners further enable us to better understand the local environments and design solutions best suited to them.

Commitment and trust

Many of our present client relationships began decades ago. The reasons why our clients turn to us time and again, we believe, are the Vaisala quality, added value, and positive outlook that we bring along. Something else that you will find in Vaisala is dependability – a partner that you can rely on through thick and thin. We stand by our products, our people and our customers, wherever in the world they might be.

Put our experience to good use.
Trust Vaisala.



Meteorological and hydrological solution design

Turnkey solutions for virtually any application

As a world leader in environmental measurements, Vaisala provides solutions for your complete range of meteorological and hydrological needs. Our instruments and data management systems are relied on the world over – from hydropower optimization systems in Viet Nam to the countrywide National Lightning Detection Network in the United States.

Whether you need a complete observation and forecasting system

as a turnkey delivery or an upgrade to your present capability, we can design the solution that best fulfills your needs. Vaisala undoubtedly has the industry's largest offering portfolio for meteorological and hydrological observations.

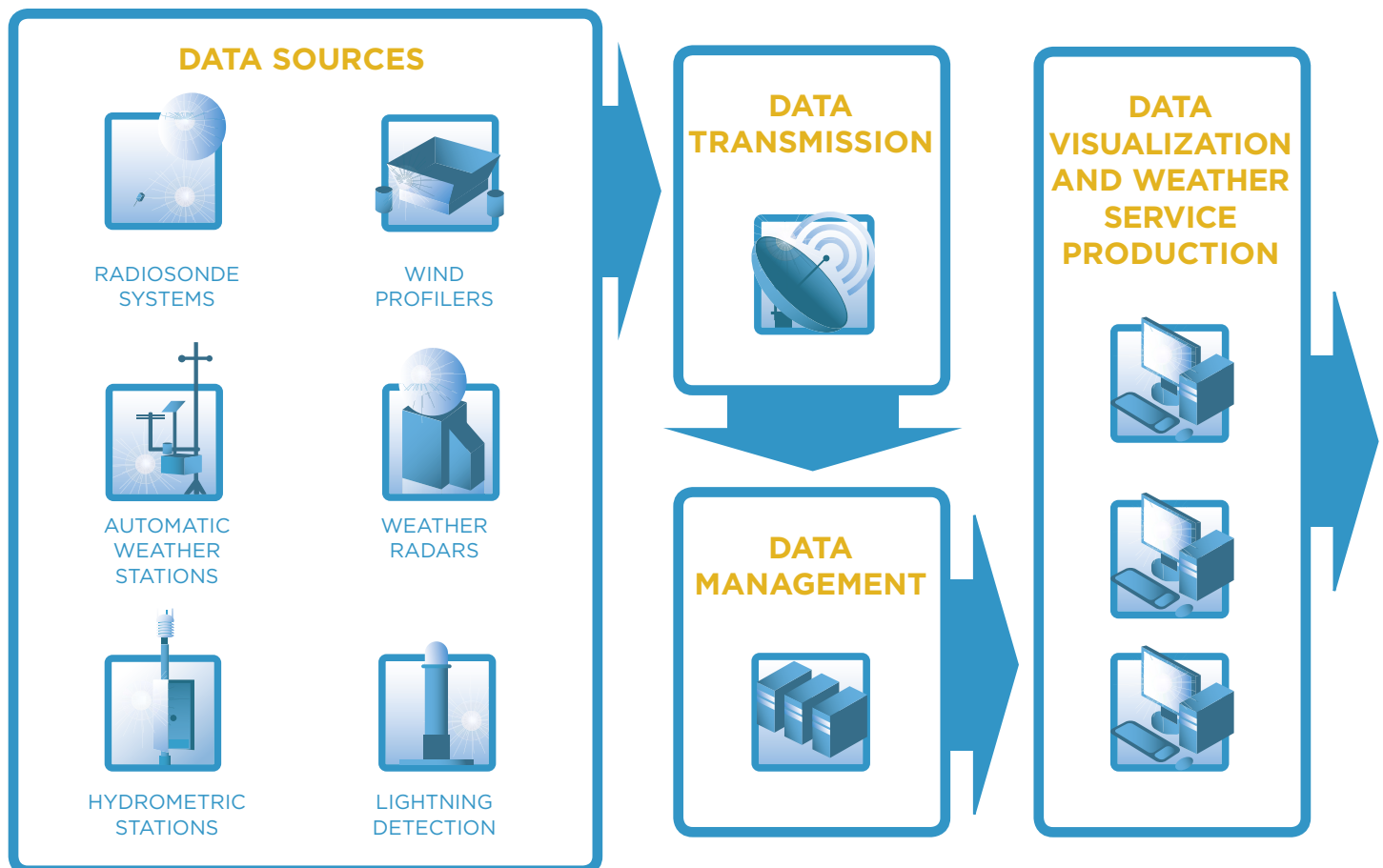
Rain or shine – real-time weather data at hand

Vaisala's observation instruments and systems ascertain that you will have accurate, reliable, and real-time weather data when you most need it – now and in the future. Our top-notch weather radars, weather

stations, sounding and lightning detection systems, among others, ensure that relevant information is available to monitor and forecast the constantly changing weather conditions. Designed to last, an investment in Vaisala technology is indeed an investment far into the future.

Easy transmission and management of data

Our instruments and systems support all relevant methods and protocols for functional and reliable data transmission. Vaisala solutions



also include integrated, field-proven data management for archiving, securing, using and distributing the data as needed.

From agricultural processes to enhanced public safety

The acquired data only proves its worth once turned into information and put to effective use. Whether you seek to improve disaster preparedness, minimize flood damages, or increase crop yield, precise weather information will help you achieve your goal.

Vaisala's weather systems are being used for purposes as varied as operative weather forecasting, climatological research, public safety, and agricultural planning. They can also be utilized to produce commercial weather services, such as mobile weather, or weather services for events. Early warning systems for predicting severe weather provide information critical to all alike: individuals, infrastructure, industry, and the environment.

Our hydrological solutions include a complete range of river forecasting and monitoring systems: from comprehensive flood warning systems to hydropower optimization and water management.

APPLICATIONS

SYNOPTIC METEOROLOGY

EARLY WARNING SYSTEMS

RIVER FORECASTING AND MONITORING

- FLOOD WARNINGS
- HYDROPOWER OPTIMIZATION
- WATER MANAGEMENT
RESERVOIR OPERATIONS
OPTIMIZATION

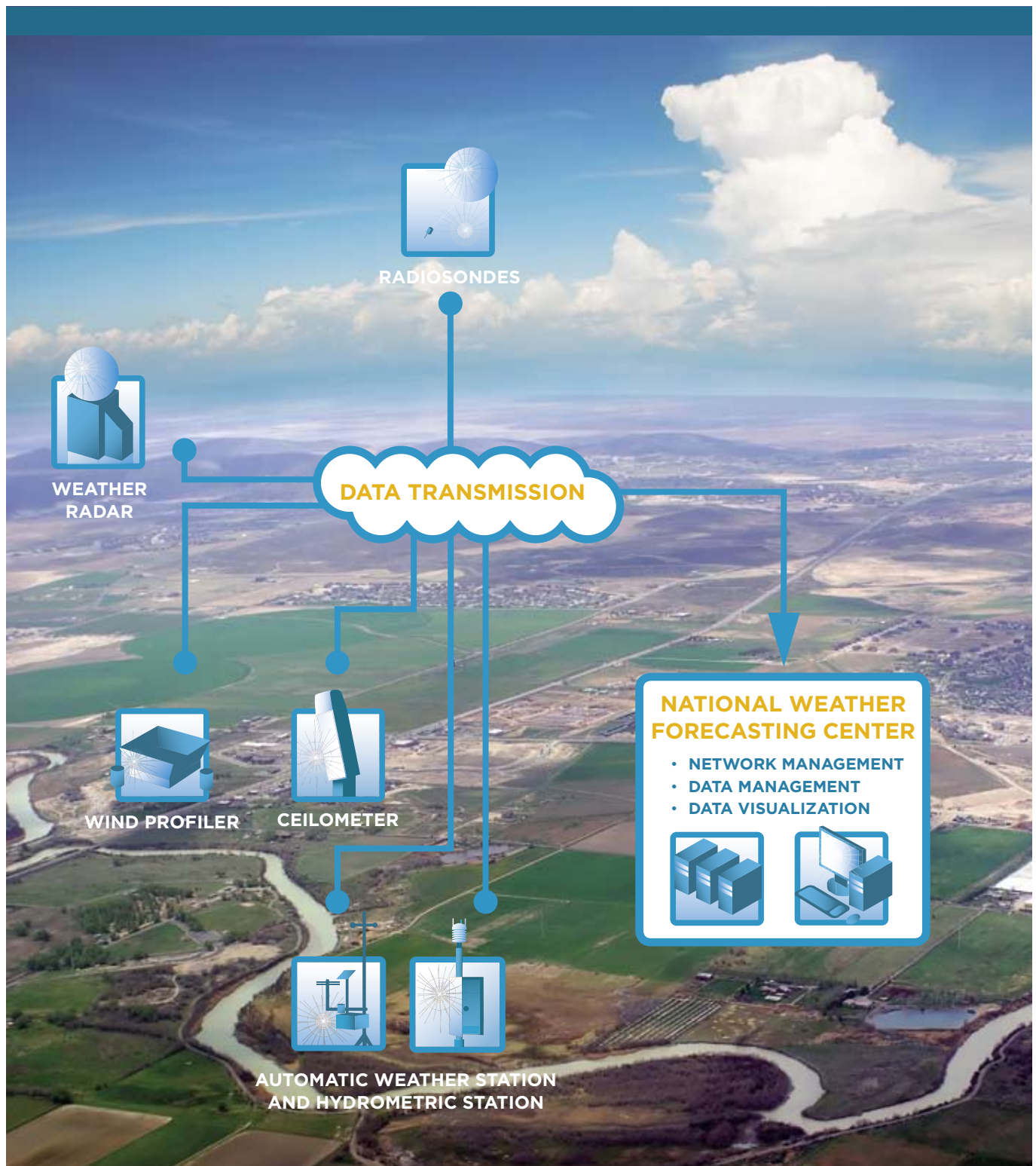
AGRICULTURAL PLANNING

COMMERCIAL WEATHER SERVICES

RESEARCH



Vaisala meteorological and hydrological network



Making your job easier

Vaisala services

To help you effortlessly introduce and optimally maintain your observation network, we can make your job easier by providing specialized support in all stages of your system's life cycle: planning, installation, operation and maintenance. From the initial feasibility study to overall project management and final implementation, to life time support, when you choose Vaisala you can rest assured that your project is in good hands. Our track record shows that we have successfully planned and installed sophisticated systems even in some of the world's most remote and inclement places, including Antarctica.

With proper care and maintenance, Vaisala instruments last decades – that is why they are a staple of the scientific community worldwide. Much of our equipment is modular and upgradeable, so you can expand systems and enrich them as your needs dictate. We also guarantee the availability of replacement parts and technical support services for the planned life of the product.

We offer remote monitoring and diagnostic support and routinely provide highly specialized training programs and on-site services globally with the help of accredited, licensed local operators.

Our service offering

- Training programs for weather phenomena, application, operation and maintenance
- Turnkey project management from feasibility study to installation and commissioning
- Network administrator maintenance tools
- Operation support service agreements including options for:
 - Spare part solutions
 - On-site maintenance and repair services
 - Remote technical support services
 - Extended warranty

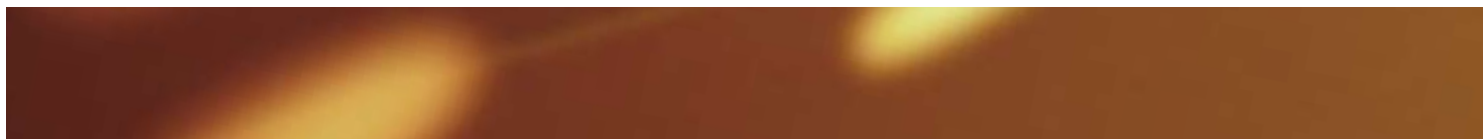


What's on the horizon?

We at Vaisala envision a world where weather is no longer an issue. Regardless of where you work or live you should have easy access to quality weather data. We also perceive a future where weather phenomena no longer claim lives as

early warning and decision support systems are in place to enable making timely and well-informed decisions on necessary courses of action. While controlling the weather may not be an attainable goal, we will work towards ensuring

that its adverse effects on people and the living environment can be minimized – by foreseeing what the weather will bring.



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