

VAISALA

Vaisala Celebrates its 80 Years Anniversary

The year 2016 is a special one for Vaisala, as we celebrate our 80 year anniversary. Throughout the past decades, alongside our commitment to quality and customer focus, Vaisala has been driven by curiosity. We have always been passionate about uncovering novel solutions to problems and issues our customers face every day.



Beyond Technology

Science-based innovation is at the core of everything we do. Vaisala is committed to delivering solutions which fulfill our customers' requirements and exceed them in practice. Having 80 years of experience in weather observations and environmental measuring is a key competitive advantage. It is upon this knowledge and these capabilities, that we are building our future success. Today, we can see that the continued desire to understand the unknown drives our R&D efforts. In a world of shifting global economies and environments, exploration and innovation are more important than ever before. It is important to understand that today's customers look beyond the technology. They want accurate, verified, reliable data from a company they can trust.

Measuring the Sky

In the Weather business area, our customers care for the safety and wellbeing of people. Their challenge is to deliver efficient operations in all weather conditions. From meteorological institutes, to aviation and road authorities, to renewable energy customers, we bring operational benefits to our customers through a wide offering of products, projects, weather information and services. Accurate, real-time, uninterrupted and reliable weather data is the cornerstone for these operations.

Ten years ago – Vaisala was entering the weather radar business. Developing the world's best weather radar system was fueled by the desire to innovate, to provide a better system solution, better than anything else available on the market. Since then, Vaisala has delivered over 100 weather radar to locations all around the world.

Indoor Measurement

Environmental sensing technology and continuous monitoring are tools that secure what matters most in any controlled environment. Vaisala helps its customers — for example pharmaceutical, biotechnology and medical companies, as well as related research institutes — to reduce the risk of damage to their potentially life-saving products and to meet their strict regulatory compliance needs.

For example the Vaisala continuous monitoring system ensures that facilities personnel maintain full control of monitored areas, identify any problems quickly, enabling them to respond with corrective actions.



Power transformers are not only critical components in the electricity grid, they are also among the most expensive assets in any power network. Age, increased load levels, and network failures all take their toll on transformers, leading to an increased risk of unpredictable faults and outages. Continuous monitoring of hydrogen and moisture levels with an in-situ probe is the first step in extending the lifetime of a transformer through the implementation of predictive maintenance practices, leading to a lower total cost of ownership.

Optimizing energy consumption and indoor air quality are important e.g. in schools, warehouses, concert halls, office buildings and hospitals. Good indoor air quality also increases human comfort, productivity and well-being. Both aspects can be achieved by combining humidity, temperature and carbon dioxide measurements with demand controlled ventilation.

Observations for a Better World

We believe in observations for a better world, curiosity, courage, and science-based innovation. Vaisala is always looking towards the future, with a positive spirit. It is our responsibility to apply the very latest technologies, in order to be able to deliver the most accurate and reliable products and services. Not only for our customers, but also to help enable scientists to better understand climate change, and reduce its potential impacts.

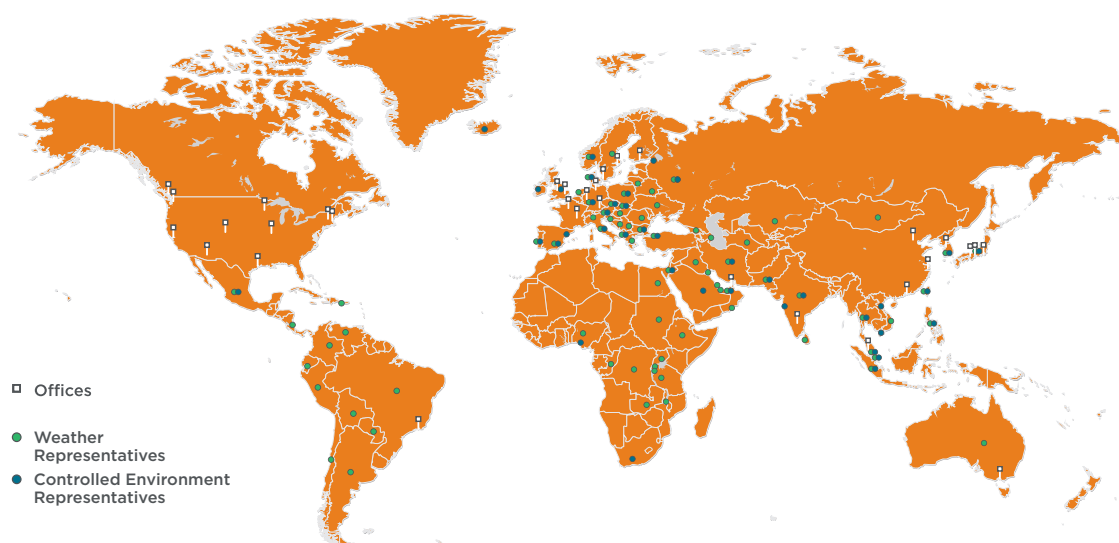
For example, the quest to harness the power of the wind in an optimized way has been a fundamental challenge in renewable energy production. For wind farm developers, we offer solutions that bring peace of mind, taking guesswork out of the equation by providing data that reliably demonstrates the potential return on their investment. Professor Väisälä's legacy lives on in the work we are doing today.

We will continue to work hard to be the partner of choice for our customers. Customer focus is at the heart of everything we do, building solid relationships through our commitment to quality. Often delivering world-class solutions to locations around the world requires creativity and thinking outside of the box. Working together with our local partners, we take pride in the role we have in safeguarding lives and property, bringing products and services where they are needed the most.



Professor Dr Vilho Väisälä (1889-1969) was Vaisala's founder and long-time managing director. He was a talented inventor of meteorological instruments and an esteemed scientist in his field.

Vilho Väisälä, also known as the "Prof" among Vaisala employees, established the fundamental guidelines of Vaisala's operations. These guidelines - creativity, respect for quality, devotion to work, pride in professional skills and belief in one's own abilities - are still honored at Vaisala today.



Vaisala is a truly global company, serving customers in all continents.