More than 80 years ago, Professor Vilho Väisälä put the finishing touches on his first commercial radiosonde. Today, most atmospheric soundings around the world are performed with Vaisala sounding equipment.

Here is how our first groundbreaking technology has led to the organization we are today.



## Vaisala raises the bar for automatic soundings with the release of the

2018

Vaisala AUTOSONDE® AS41, a completely new upper-air observation system for synoptic and adaptive use. Vaisala Dropsonde RD41 debuts as a meteorological measurement device

that takes atmospheric profilings from aircraft flight level to surface.



2012 Vaisala launches Vaisala DigiCORA® Sounding System MW41, the first part of the next-generation radiosonde system. MW41 takes the sounding

standards in both technology and usability.



2013



operational experience to a new level.

ironment and electromagnetic compatibility

The Vaisala Radiosonde RS41 is released and combined with

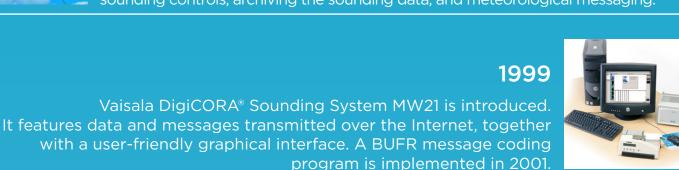




## 2003 The Vaisala Radiosonde RS92 features new high-performing sensors designed for

radiosonde use, featuring Vaisala's method of applying GPS to wind measurement. The next sounding system version, Vaisala DigiCORA® Sounding System MW31, gives meteorologists comfortable control over the sounding process by integrating sounding controls, archiving the sounding data, and meteorological messaging.

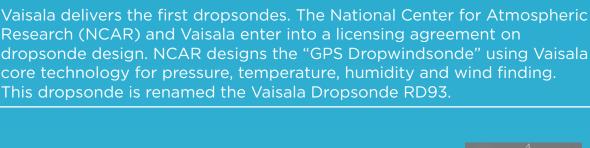
focal MIL-STD and other applicable requirements including operating





1997

Research (NCAR) and Vaisala enter into a licensing agreement on dropsonde design. NCAR designs the "GPS Dropwindsonde" using Vaisala core technology for pressure, temperature, humidity and wind finding. This dropsonde is renamed the Vaisala Dropsonde RD93.



Vaisala introduces GPS for upper-air wind measurements. GPS technology offers substantially more detailed profiling of upper-air wind patterns.





## The first Vaisala Automatic Sounding Station AUTOSONDE® is delivered—a robot that prepares and releases a radiosonde without human intervention.

1994





Vaisala introduces the first version of the 1680 MHz radiotheodolite for defense applications.

self-guiding menu for operation through front panel keys, comprehensive self-testing, and built-in battery backup. An automatic telemetry system control is introduced. The next version—DigiCORA® Sounding System

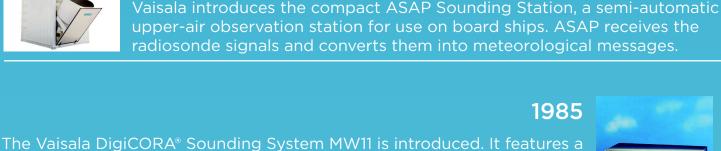




1986

1985

MW15 (pictured) —is compact and portable.





# standard" in radiosonde comparison tests.

1975

1981

1977 WMO chooses Vaisala Radiosonde RS21 as the radiosonde for the FGGE (First GARP Global Experiment). This was the beginning of

launch on board of a research ship, late 1970s.

door to mobile radiosonde systems.

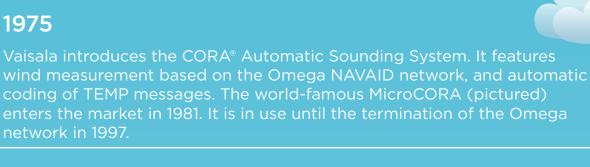






coding of TEMP messages. The world-famous MicroCORA (pictured) enters the market in 1981. It is in use until the termination of the Omega network in 1997.

the great success of Omega based wind finding. Picture shows RS21

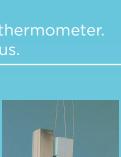


1965

1973



The WMO grants it temperature reference radiosonde status.





1950

1969

1936

is introduced in the early 1950s. It works in the 25 MHz





# 1936



He was founder and longtime Managing Director of Vaisala. Through innovation, industry investment, and an innate curiosity, Vaisala strives to produce high-quality and dependable measuring solutions that provide

Instruments and Methods of Observation (CIMO).

Trusted weather observations for a sustainable future



observations for a better world.