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Temperature profiler used in combination with the Vaisala wind profiler, over the roofs of Turin.

The world's most popular wind profiling system

Italy relies on Vaisala know-how

The Vaisala Lovel Atmosphere Wind Profiler LAP3000 is a Doppler radar that provides vertical profiles of horizontal wind speed and direction, and vertical wind velocity to an altitude of 3 km above ground level. When the Radio Acoustic Sounding System (RASS) option is added, it can provide virtual temperature profiles up to about 2 km above ground level, depending on atmospheric conditions.

The system operates unattended and provides continuous, real-time

atmospheric wind and temperature data with excellent spatial resolution. The LAP3000 is the world's most popular wind profiling system for mesoscale forecasting and nowcasting. It is available in both fixed-site and mobile configurations.

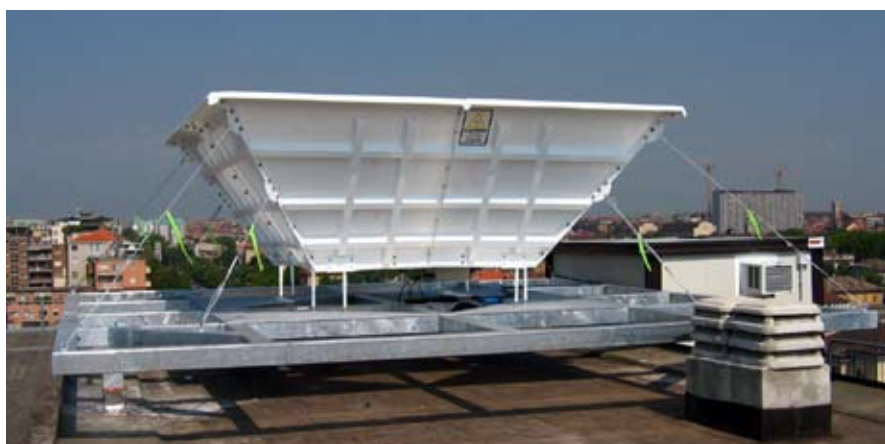
More satisfied customers in Italy

In 2007 Vaisala received a contract for the supply of LAP3000 with RASS to be operated in ARPA CAMPANIA in an air quality

application. Vaisala is also going to supply, install and maintain one LAP3000 Wind Profiler with RASS for ARPA CALABRIA. The turnkey delivery will be carried out in co-operation with Eurelettronica Icas Srl, Vaisala's long-term partner in Italy.

The LAP3000 has been in use in Italy for many years at the University of L'Aquila.

Since 2003, ARPA PIEMONTE has been operating one LAP3000 Wind Profiler to monitor the atmosphere of the City of Turin. ■



Vaisala Lovel Atmosphere Wind Profiler LAP3000 installation in the City of Turin.