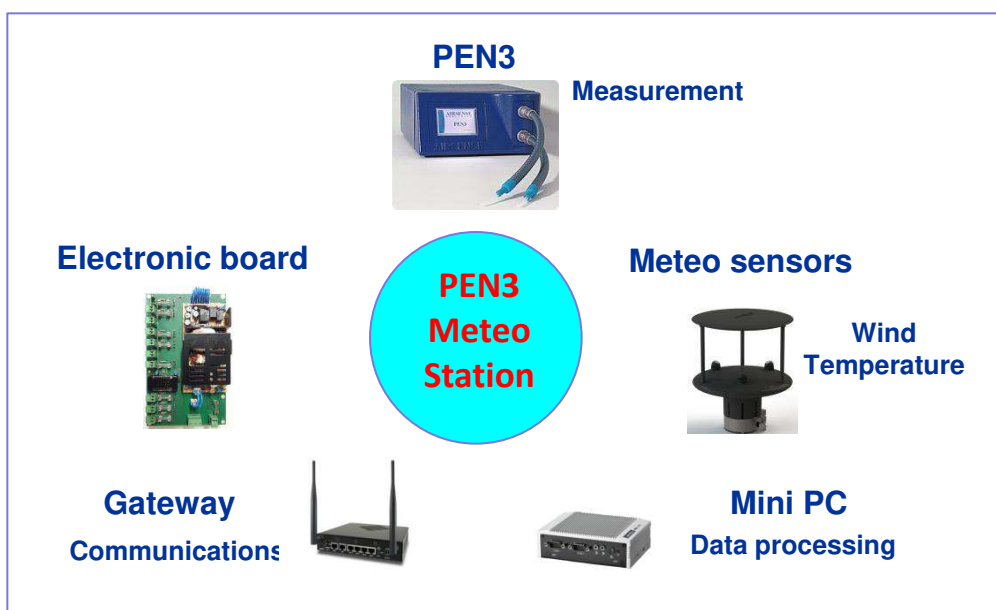


PEN3 - Meteo Station Quality Air Station

*A complete tested and performing station for odour monitoring
"Odour is the main cause of disputes with population"*

The PEN3 Meteo Station has been realized for measuring and monitoring odours leakage



The PEN3 Meteo Station (evolution of Air Quality stations) is the result of an important work of research and operational test.

The versatility and reliability of the Airsense PEN3 sensory analyzer and the most modern technologies of communication and integration of systems allows a very accurate management of the system and a complete flexibility.

The meteo system (sonic direction and wind speed transducer) gains the instantaneous data of wind and join them to data of electronic sensory analyzer.

A mini-PC collects data in a database and process them with modern approach of management of data (ETL-DWH).

The data are available for next processing and query in real time and for further analysis.

The sensory analyzer (electronic nose) executes measures in default mode, editable by a qualified operator, by WiFi connection and by Internet.

All recorded data and the real time data can be viewed, analyzed and processed by a full flexibility operation that reduced time and operating costs, allowing the remote management of PEN3 Station instruments.

The correlation between wind data and PEN3 data allows to create a possible scene of odor dispersion and the area of contamination.

The systems inside the station are protected by a UPS Energy protection.

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A complete and adaptable station for the odour monitoring and the elaboration data

Main components

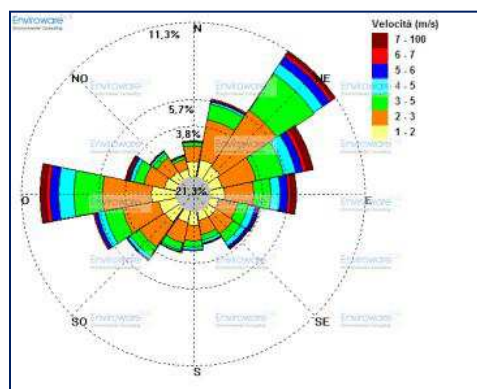
Main components integrated in the PEN3 Meteo Station

PEN 3	Intelligent Sensor array with hot of MOS sensor (range 150 °C – 500 °C)
Meteo sensors	<ul style="list-style-type: none"> • WINSON Sonic Wind Speed and Direction transducer <i>the instrument providing wind speed and direction data without moving parts. No maintenance required</i> • ...other sensors are available (Air Temperature transducer, ...)
SMIT BIT 2	Electronic board for power supply ad UPS
Mini – PC	Intel® Atom™ Dual Core N2600 with Independent Dual Displays Fanless Box 7" Pc monitor available
Gateway	Communications and remote desktop control

Softwares

All the operating functions are assisted by special softwares thant make easier the operations of the set-up and data processing

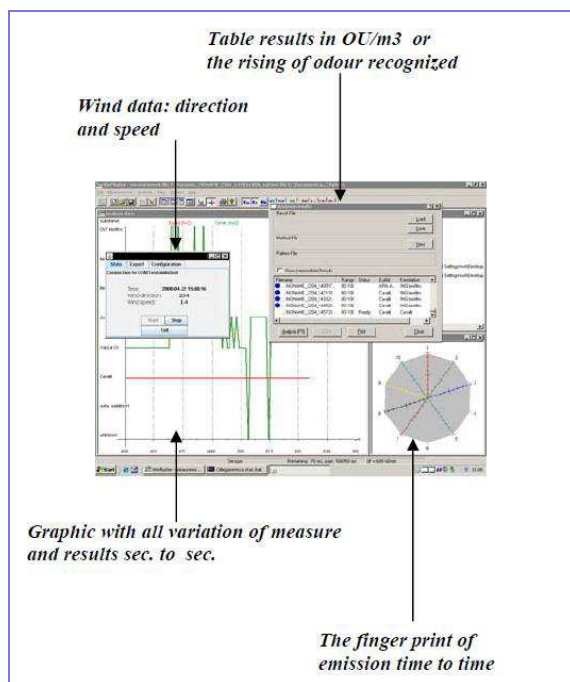
WINMUSTER	PEN3 management
Autorun	Station automatic run for WINMUSTER setup
SQA Meteo	Data meteo management
Communication	Remote control by Chrome remote desktop
SQA alerter	PEN3 / Meteo data merge for alerts and odour identification



SISTEMI DI CONTROLLO AMBIENTALE

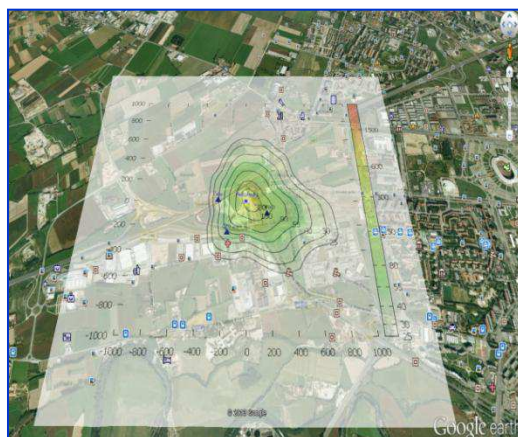
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“Odour is the main cause of disputes with population”



The software is a macro tool that automates all needed steps to start and configures WinMuster, avoiding repetitive tasks and assuring automatic data logging and analysis restart if power supply accidentally goes down.

The Station PEN3-Meteo is full automatic to measure, save data results and elaboration; besides it is able to measure the speed and direction of the wind as further information on the origin of the odour detect. PEN3-Meteo is complete with WI-FI connection and, modem for InterNet connection.



SISTEMI DI CONTROLLO AMBIENTALE