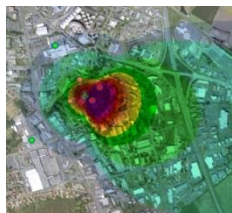


Dispersion modelling

Odour & pollutant gases

vigiODOR®



The vigiODOR solution is based on Plumair web platform. This unique solution allows to forecast and monitor in real-time the dispersion of odour and gas plumes (H_2S , NH_3 , VOC, TBM, etc.) around industrial sites.

Connected to the network of vigi e-noses analyzers and to the weather station installed on-site, it provides real-time key information for optimised operation of facilities and efficient management of chemical and olfactory pollution.

Real-time monitoring

Live display of discharges atmospheric dispersion with a configurable refresh rate for the "real-time" mode.

Forecasts up to 48 hours in advance

The "forecasting mode" evaluates discharges dispersion in hours and days to come, enabling warning activation or production programmes re-adjustment.

Integration of latest-generation dispersion models

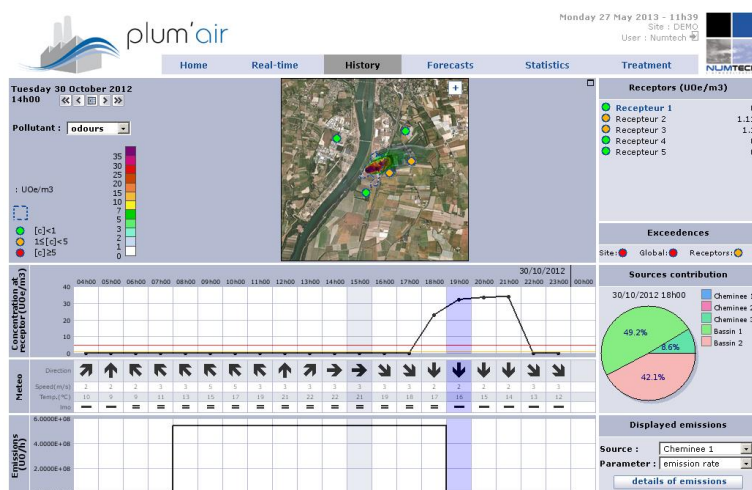
Considering issues and site complexity, different types of models may be integrated in the platform: simple Gaussian model, ADMS reference model, latest-generation Lagrangian model.

"Service mode" (SaaS)

This variation of the system allows you to enjoy the same level of information and display, from a simple subscription and an Internet connection.

A complete decision-support tool

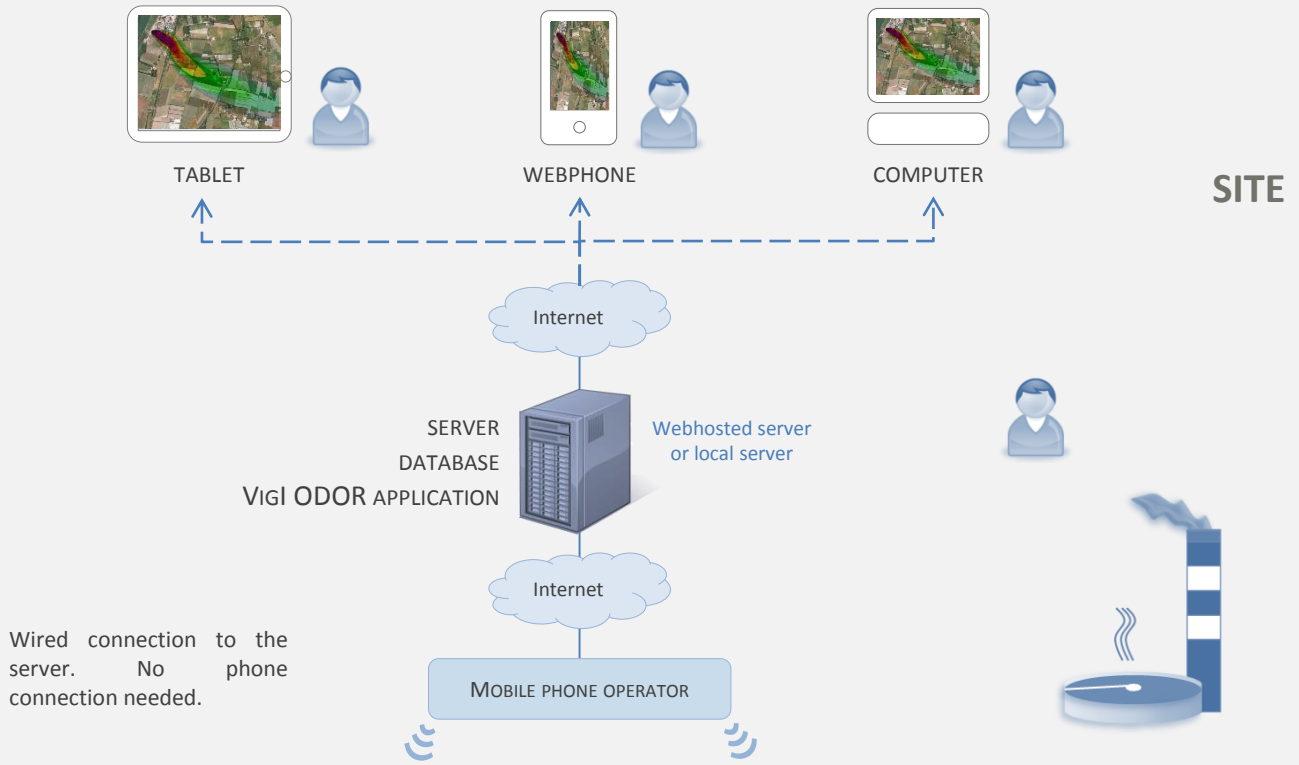
- Real-time display of plume according to emission levels and weather conditions
- Odour and specific pollutant gas concentration profiles at emission source and on receptor points defined by the user
- Relative contribution of the different sources
- Visualisation of analyzers and meteorological data from the on-site installed station
- Forecasting mode for impacts anticipation
- Warnings in case of configurable thresholds overruns on emission points or on pre-defined receptor points: neighbourhood, sensible sites, property lines
- Data archiving for statistics calculations on historic: exposition frequency, percentiles, monthly or annual means, etc.



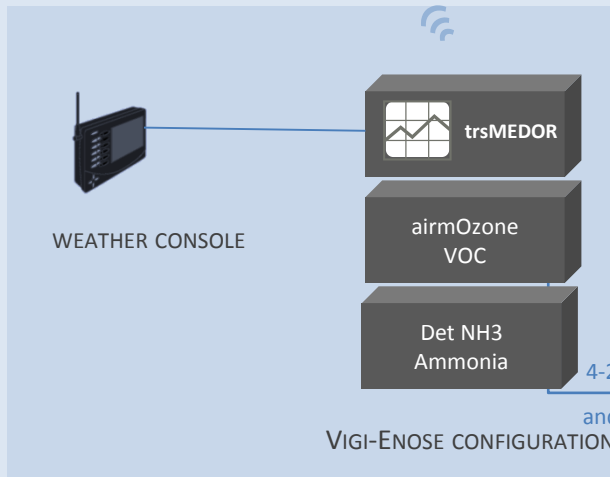
Real-time display of concentrations at emission source and in the environment, weather parameters and sources contribution.

Technical Architecture

REMOTE MONITORING NETWORK



WEATHER STATION



SHED

AIR TREATMENT FACILITY

CONTROLLER

- One or more weather station(s)
- Wired Ethernet connection with the embedded computer

- One or more analyzers are located on each site
- Systems are located on a shelter or area with stable temperature (air conditioning is requested)
- Multiplexer can collect samples on several areas