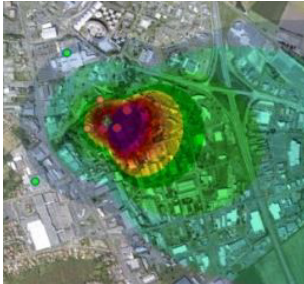


## DISPERSION MODELLING

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<sub>2</sub>S, NH<sub>3</sub>, VOC, TBM, etc.) around industrial sites.

Connected to the network of vigie-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.

### 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: neighbour hood, sensible sites, property lines
- Data archiving for statistics calculations on historic: exposition frequency, percentiles, monthly or annual means, etc.

### 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

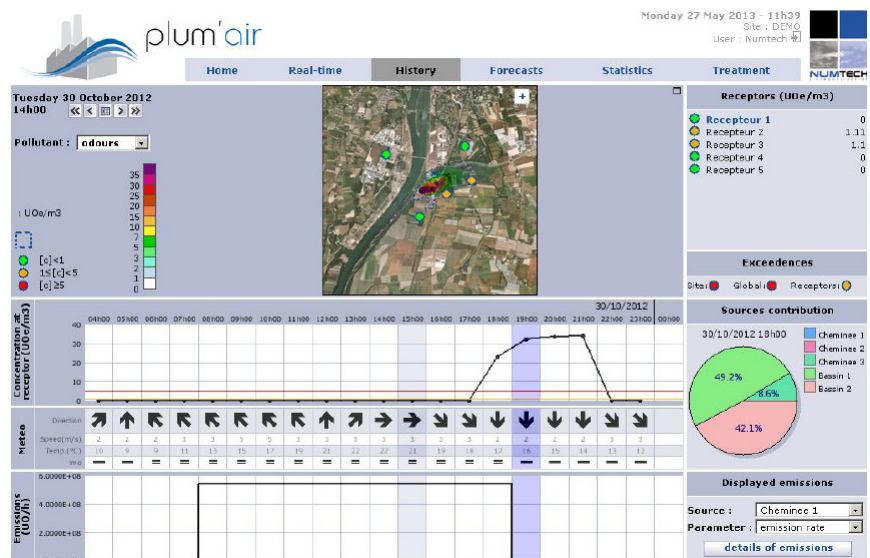
The «forecasting mode» evaluates discharges dispersion in hours and days to come, enabling warning activation or production programmes re-adjustment.

### 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.

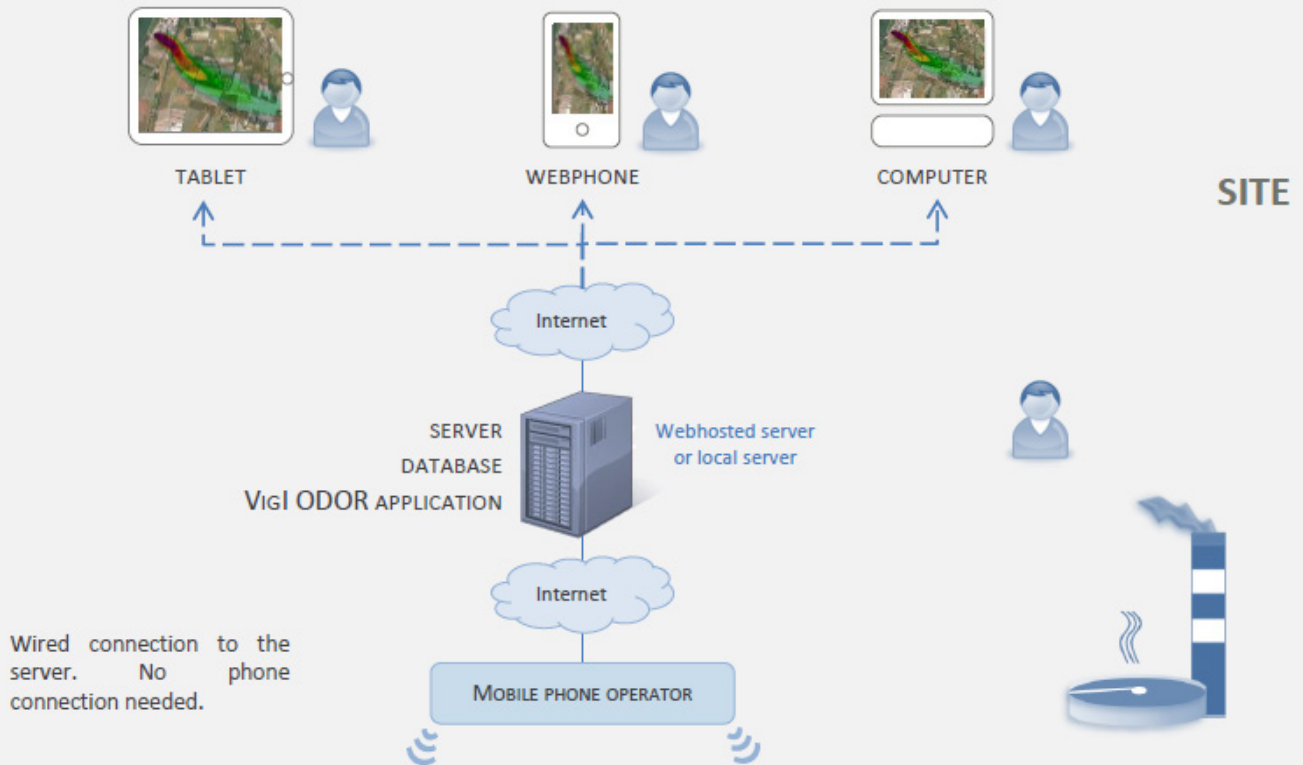


Real-time display of concentrations at emission source and in the environment, weather parameters and sources contribution.

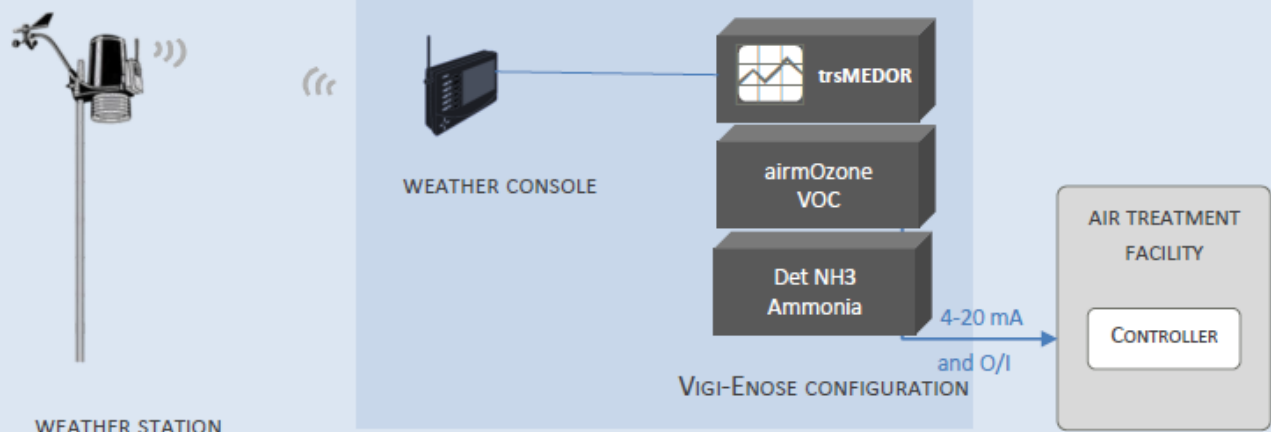
Chromatotec® is specialised in VOC, Sulfur and permanent gases analysis at trace and ultra trace levels (ppm, ppb, ppt). Please visit our website for more details.

# Technical Architecture

## REMOTE MONITORING NETWORK



## SHELTER



- 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

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