



Optimize your installations to reduce the environmental impact of your emissions.

The external envelope of a building distorts more or less the local flow of wind. The produced disturbances (whirlwind, acceleration, slowing down ...) can, for example, generate areas without wind with as incidence the storage of pollutant and odor.

→ External wind flow

- Streets canyon
- Hedge breaks wind
- Venturi effect
- Recirculation

→ Source of pollutant and/or odor emission

→ Comfort of the staff / local residents

- Reduce the effects of winds on the frequented spaces
- Localize the zones of rise of dusts

→ Influences of the wind

→ Study the effects of the wind is important

- Act on the architecture and the arrangement of the installations to limit the inconveniences due to the wind.
- Place ingeniously the obstacles to the wind (hedge, wall, building...).
- Set cleverly emission sources (of odor or pollutant) on your future projects of development
- Optimize the localization of the sources of masking to improve the mixing

→ Ours missions

- Localize and reduce zones of winds acceleration.
- Identify the recirculation areas.
- Minimize the phenomena of street canyon.
- Increase the comfort of the users of the site.
- Position your devices of masking in the good places.

→ Our services

- 3D numerical calculation of wind flow on the emission site
- Statistic studies of meteorological data
- Meteorological measurement (wind speed, wind direction, humidity, temperature, ...)
- Physical parameter measurement (speed, flow rate, temperature, particle size analyse, ...) in emission source place
- Consulting engineering : scientific expertise on the influence of the production site's arrangement on the concentrations dilution from the emissions site



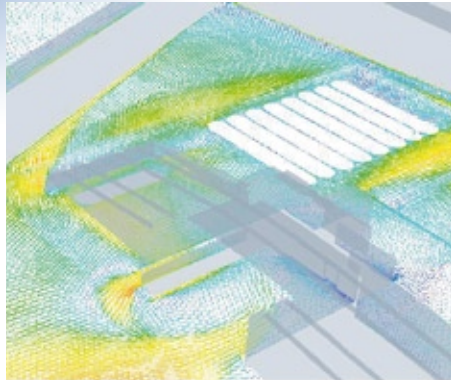


→ Our means

- CFD software (3D numerical calculation of wind flow) : FLUENT, Open-Foam, CFX.
- Numerical Workstation
- Mast measurement with anemometers (12 m and 30 m)
- SODAR (200m)
- Measurement gauge of speed, flow, pressure, humidity, temperature

→ Some realisation :

- Characterization of 3D wind flow of natural waste site.
- Meteorological studies of industrial boiler.
- Local meteorological measurement of a future installation on Saint Philbert de Bouaine.



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