

Environmental impact: know to act better

Association to monitoring air quality, town, property developer, and industrialist are worried about the environmental impact due to risked plant, in terms of pollutant reject in the atmosphere or health hazard.

- Environmental impact (Limit values, quality objective, threshold warning, ...)
- Health impact
- Risked plant
- Scenario for reduce emission,
- Leak scenario,
- Pollution,
- Greenhouse gases

→ Know this impact is crucial

- Integrate technical tools to reduce pollutant emission at the source.
- Allow a long-lasting insertion in your establishment localisation.
- Know your greenhouse gas emission, and your impact on environment and health.
- Respect the legislation of risked plant

→ Our Missions

- Specify your environmental impact present or future,
- Describe your health impact,
- Help you to respect law for risked plant.

→ Our services

- Numerical calculation of gaseous and particle atmospheric dispersion
- 3D numerical calculation of wind flow on the emission site
- Statistic studies of meteorological data
- National and international regulatory monitoring
- Concentration measurement of pollutant species (particle or gas) on the emission source
- 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

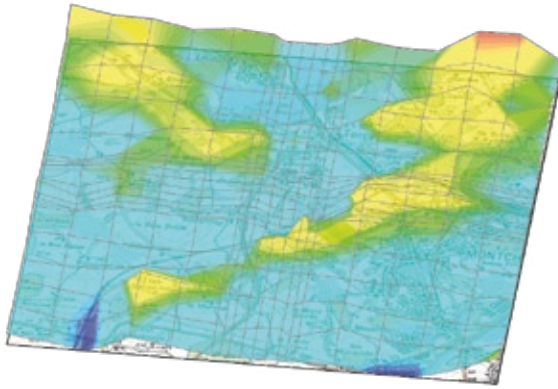
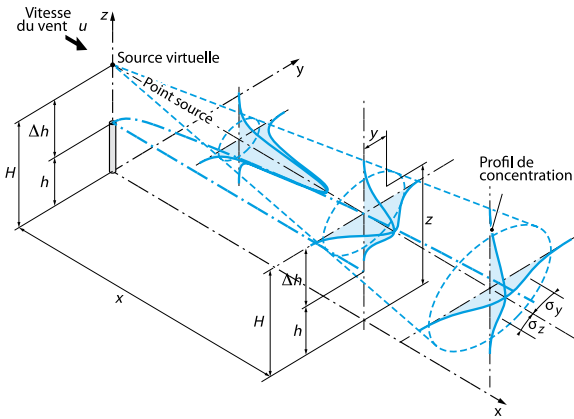


→ Our means

- SimDO-Pol software (numerical calculation of pollutant atmospheric dispersion, agreed with the Environmental Protection Agency advice)
- FLUENT software (3D numerical calculation of wind flow)
- Numerical Workstation
- Mast measurement with anemometers (12m and 30m)
- SODAR (200m)
- Particle size analyser
- Gaseous pollutant concentration gauge (CO, CO₂, NO_x, SO₂, particles, soot ...)

→ Some realisation

- Characterization of natural waste's odour in half open shed.
- Environmental and health impact of industrial boiler in Paris area.
- Local meteorological measurement of a future installation on Saint Philbert de Bouaine.



Technopôle du Madrillet
 76801 Saint-Etienne-du-Rouvray
 Tél. : 33 (0)6 30 67 22 64
 e-mail : areelis@areelis.com

www.areelis.com