Air quality consulting

Air quality studies
- Estimates of emissions
- Meteorological and climatological data processing and analysis
- Model simulation of atmospheric dispersion of pollutants
- Odor impact assessment
- Industrial risk assessment

Software products
- WindRose PRO, for wind analysis
- FLARES, for industrial flares thermal and acoustical impact and flue gas composition
- AQRoads, for road traffic pollution
- LAPMOD, for air quality over complex terrain
- GEPlot, for countouring and gridding in Google Earth

Web-distributed modeling systems
- Development and maintenance of web-distributed platforms assisting governmental agencies to provide their modeling and data analysis services to remote units and users

Models development
- Development of ad-hoc air dispersion models for specific fields of application and needs

Enviroware consulting services

Since 1997 we provide advanced consulting services in **air quality impact assessment, industrial risk evaluation, development of modeling tools** and development of **environmental software**.

We can **develop** modeling tools specifically tailored to the needs of the Clients, as well as **apply** existing tools that are recognized as reference all over the world.

Our **highly professional team** is devoted to understand problems and find solutions that guarantee to our Clients the achievement of their objectives, with complete satisfaction.

We provide our services, in Italy and abroad, both in the Research and Development and in the Applied Research fields, and we can satisfy **public and private Clients of any size**.
**Expertises**

**Estimates of emissions**
road traffic / construction sites / landfills / waste and wastewater / industrial sources

**Meteo-climatological data processing and analysis, also for the preparation of input data for air dispersion models**
monitoring network measurements / METAR data / radiosounding data / limited-area models

**Simulation of atmospheric dispersion using models of proven validity and endorsed by governmental agencies, including CALMET/CALPUFF, AERMOD, CALINE, CAL3QHC, OCD5, SACTI**
industrial plants / road traffic / evaporative sources / fugitive sources / cooling towers / offshore platforms / radionuclides

**Simulation of odor impact**
landfills / food industries / chemical industries / farms / biogas facilities

**Development of air quality models**
LAPMOD / TOXFLAM / AERBOX

**Industrial risk assessment**
consequence analysis / thermal and acoustical impact of flares

**Web-distributed modeling systems for governmental agencies**
nuclear emergencies / air quality / industrial risk

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**WindRose PRO**
- WindRose PRO is the choice of more than 1000 users worldwide for wind analysis.
- It can read many standard file formats (AERMOD, CALMET, IS3TST, EnergyPlus Weather, TMY2, TMY3, TD-1440, ASCII, Excel)
- It can export to BMP, JPG, PNG, GIF, DXF, SHP, KML, Excel and more
- Wind rose, rays, raw data 3-variable plots, charts and more
- Date/time filtering, typical day analysis
- Wind power analysis
- Airport runway design

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**Contact info**

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**Scientific production**

Enviware has participated to RTD European Framework programs as partner in international consortiums

Enviware’s staff has more than 50 publications on peer-reviewed scientific journals on air quality, meteorology, industrial safety and software.

Enviware is involved in international projects on air quality and nuclear emergencies with the European Commission, the United States EPA, Environment Canada and many more.