

Internationally Approved
Monitoring Solutions



Opsis Gas Moni



Opsis AB is a Swedish company that develops, manufactures and markets monitoring systems for ambient air quality and continuous emissions monitoring and process control. Opsis has also developed software products for environmental management. Opsis offers the total solution for environmental monitoring, including a large line of related products. The systems are internationally approved by the U.S. EPA, TÜV (Germany) and MCERTS (UK) according to EN15267.

Ambient Air Quality Monitoring Systems



UV&IR DOAS System Mobile UV&IR DOAS System

- Multi-gas capability
- TÜV and MCERTS approved
- U.S. EPA approved
- Systems with path lengths up to 1000 m
- Folded path units



Dust Monitor

- Automatic dust monitoring and filter sampling of TSP, PM10 and/or PM2.5



Data Logger

- Data acquisition
- Analogue and digital input and output signals
- Serial communication to other sensors
- High capacity for expansion (up to 256 channels)



Hg Monitor

- Monitoring of total gaseous mercury
- Dilution extractive sampling system
- Dry technology
- Minimum of maintenance required

Other Products

- Gas monitors for NO₂, SO₂, O₃ and CO
- Passive samplers
- BTX analyser
- Meteorology sensors

Monitoring Systems

Through a network of skilled distributors, subsidiary companies and other representatives, Opsis offers the best technical knowledge and the best local service.

Opsis has systematically penetrated the international market, and today more than 90% of the company's sales go to markets outside Sweden. Opsis is present on all continents and several hundreds of systems are in operation worldwide.



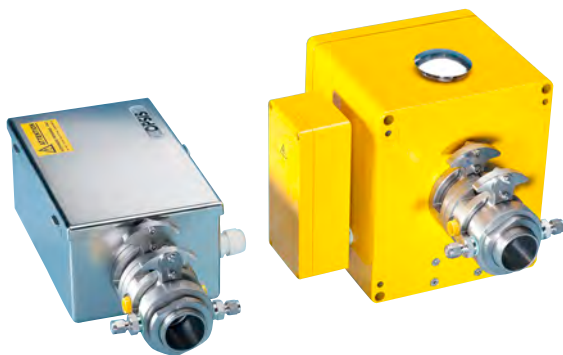
Monitoring Systems for CEMS and Process Control

Cross-stack UV&IR DOAS System

- Multi-gas capability
- CEM and process control
- TÜV and MCERTS approved
- Meets the U.S. EPA requirements

Heated Extractive UV&IR Monitoring System

- Multi-gas capability
- Wet-extractive sampling system
- TÜV and MCERTS approved
- Meets the U.S. EPA requirements



Dilution Extractive Systems

- Compact analysers: packages including NO_x and O₂, SO₂ and O₂, CO and O₂
- Dilution probes

Laser Diode Analyser

- Fast response time
- Low detection limits
- Free from interference
- Measuring of NH₃, O₂, HF, H₂O, HCl, Temperatur etc.

O₂ Monitoring

- In situ monitoring
- Zirconia cell
- TÜV and MCERTS approved



Other Products

- Volume flow meter
- Total Hg monitor – MercuryMan
- Dust concentration monitor
- Opacity meter
- Temperature sensor
- Pressure sensor
- TOC monitor

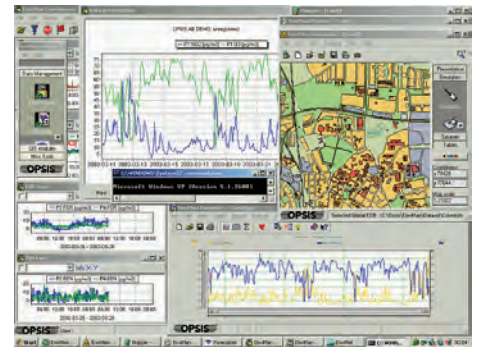
Air Quality Management



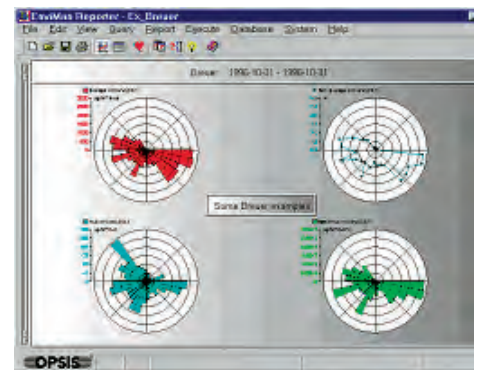
The EnviMan software offers a range of functions for flexible and cost-effective solutions both for urban and industrial applications.

Each EnviMan installation can easily be adapted to the client needs as the entire software package is modular based.

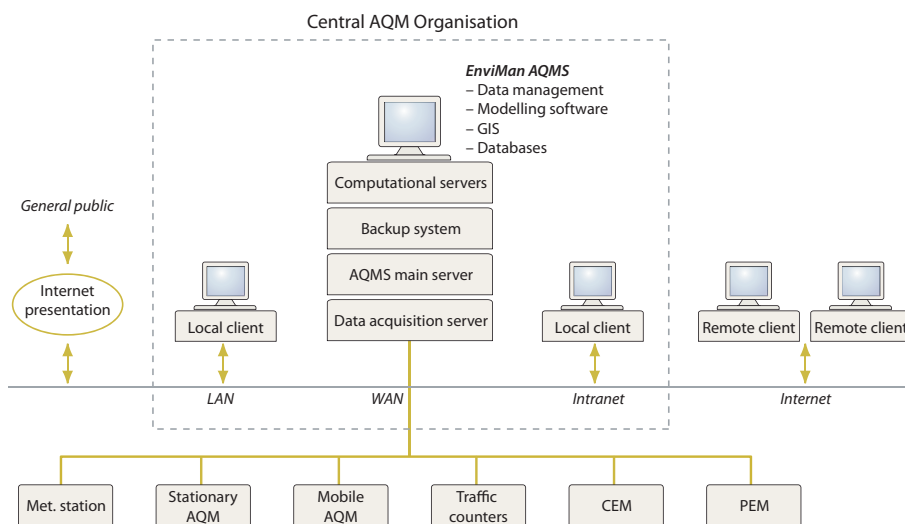
In order to facilitate the coordination of work between different individuals/organisations, an EnviMan application can be run as a client/server solution over the LAN, WAN, Intranet or even over the Internet.



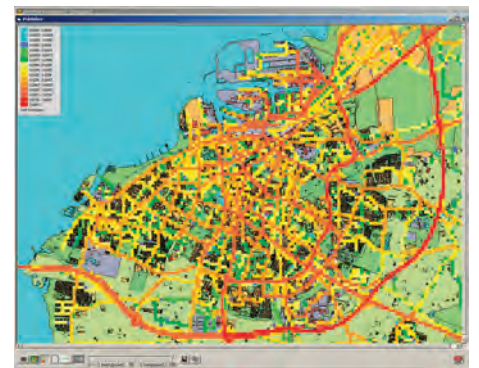
On-line data acquisition



Advanced statistical data analysis



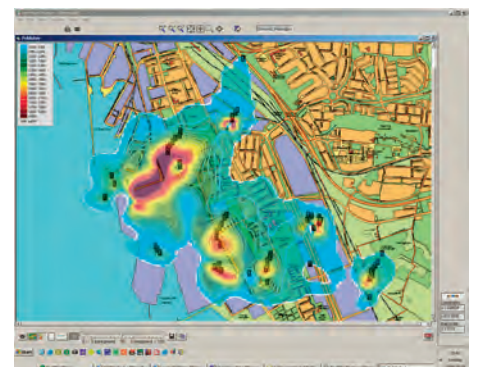
A schematic drawing of possible EnviMan solutions in a network



Modelling of emissions

Functions of the EnviMan Suite

- Data acquisition
- Data presentation
- Nowcasting
- Reporting
- Emission database
- GIS system
- Planning
- Air quality forecasts
- Dispersion modelling
- Internet solutions



Dispersion calculations