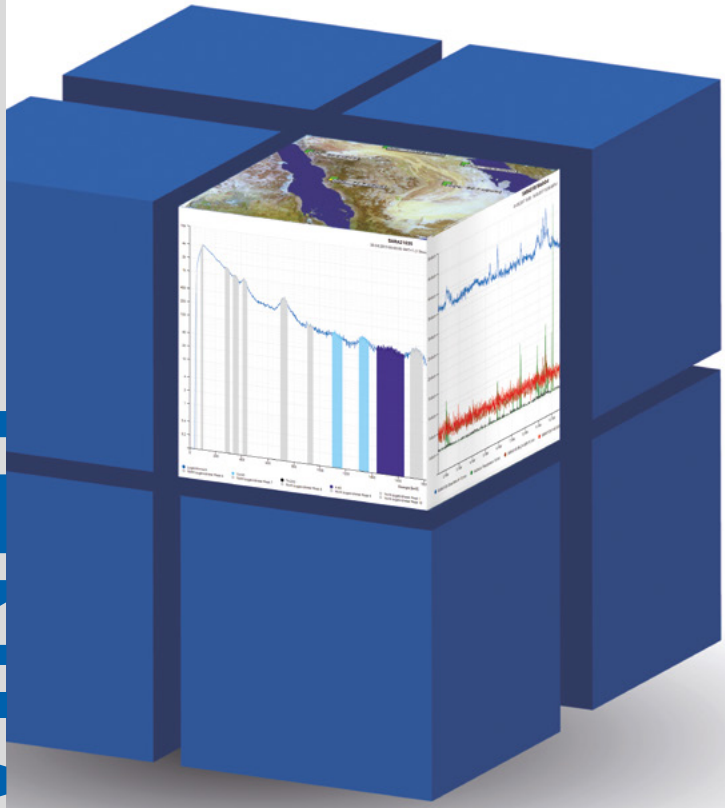
NMC ENVINET



NMC – The network monitoring center

Scienta Envinet's highly scalable, web-based GIS solution for real-time monitoring of environmental parameters. NMC is optimized for radioactivity measurements with deep integration of supported probes and can be easily extended for meteorology, air and water monitoring. Its modular design with alarming, statistics and data-exchange functions allows for fine-grained tuning of day-to-day monitoring activities as well as emergency preparedness and disaster response.

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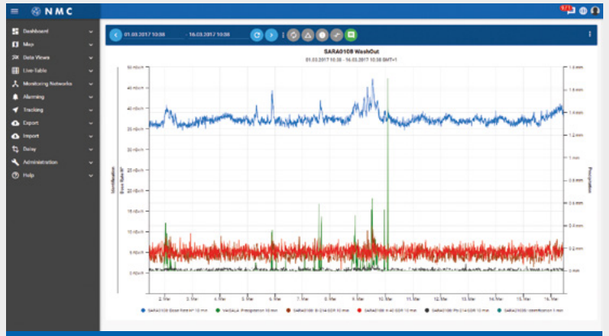
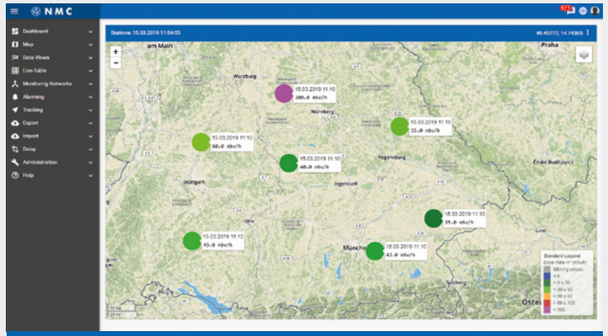
NMC – THE SOLUTION FOR MONITORING ENVIRONMENTAL PARAMETERS

NMC is Scienta Envinet's central monitoring solution. The scalable platform administers and oversees environmental monitoring stations and offers extensive services in the validation, presentation, evaluation and analysis of data to meet even the highest requirements.



The freely configurable time series display of all readings reveals anomalies at a glance.



The map view gives you a radiological and technical overview of all monitoring stations.

Gamma spectra display and analysis, e.g. to determine the precise causes in cases of suspected radionuclides.

APPLICATIONS

NMC is the platform that connects all Scienta Envinet and numerous third-party products. It is specifically designed to monitor:

- **Radioactivity** for nationwide monitoring networks, ring monitoring systems around nuclear installations and monitoring inside and outside nuclear facilities.

Thanks to its flexible, modular structure, NMC also seamlessly covers related monitoring tasks:

- **Meteorology** for local and nationwide weather monitoring
- **Water** for monitoring water distribution networks
- **Air** for air quality monitoring and emission control

All these monitoring tasks can be performed simultaneously, e.g. to connect weather and nuclear-related data.

FEATURES

- Innovative web-application with browser-based access
- Modern, intuitive user interface according to present guidelines for responsive web design
- Integration of all Scienta Envinet and numerous third-party monitoring products
- State-of-the-art security standards, including data encryption
- Integrated user and group management with configurable access rights and optional LDAP integration
- Internal logbook for event management
- Management of pre- and user-defined data views, as graphs or tables, including live tables with the most up-to-date measurement values
- System health surveillance: dashboard, monitors etc.

COLLECT, ANALYZE AND PRESENT DATA

NMC collects both continuous and discontinuous data from an unlimited number of monitoring stations. Integrity checks and automatic re-retrieval ensure valid measurement data.

Once retrieved, the data are processed and analyzed by:

- Data aggregation
- Logic operations and statistical functions
- Evaluation of status parameters

The **GIS functionality** extends presentation possibilities beyond the numerous options for **tables and graphs**: see all monitoring stations at a glance on a **configurable map**, including the current measurement values and the status. Features automatic clustering on zoom, multiple map layers, user-defined map sources and more.

Fine grained, **highly configurable alarming rules** ensure you never miss an event, while at the same time minimizing false alarms.

Fast, reliable and **automated report generation** as well as the import and export of data and information satisfies all reporting and archiving needs and gives you peace of mind regarding the **exchange of data** between systems and stakeholders.

For stations the feature spectroscopic measurements, the **gamma spectrum** can be displayed, corrected and analysed. Besides the peak analysis and nuclide identification, deconvolution and full spectrum analysis are included.

SIMPLIFIED CONTROL WITH OPTIONAL MODULES

- **Alarming module**
  - Supports radiological, technical, communication and additional alarms
  - Flexible customization of the alarm settings
  - Alerts via integrated notifiers, email, SMS or ACU
- **Import and export module**
  - Manual and automatic data import and export in all common formats, including EURDEP, IRIX, RadResponder and CSV
  - Easy integration of customer-specific formats
- **DAISY (statistics module)**
  - Manual and automatic calculation of interval aggregations including means, percentile, maximum, minimum, variance and standard deviation
  - Results from DAISY can be used in other modules, such as data view or export
- **Exercise**
  - Simulation mode for emergency training

YOUR BENEFITS

- Intuitive user interface
- High functional reliability
- Extensive functional range and flexible applicability
- Continuous improvement based on customer feedback

New

Scienta Envinet's Cloud Solution

NMC-Cloud is the ideal, turnkey solution for those who do not need or want their own server but prefer a hosted application.

The advantages:

- **Automatic updates and backups of NMC, operating system and database**
- **Easy access via a standard browser, independent of operating system and platform**
- **Fixed costs – no budget surprises**

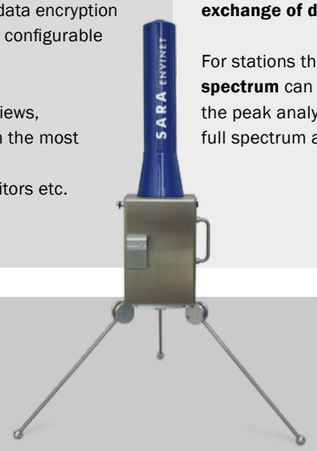
Spend less time on IT administration: focus on your actual work.

Scienta Envinet's monitoring stations ...

are fully integrated in NMC and can be individually and flexibly customized to meet your specific requirements.

Scienta Envinet offers:

- **Spectroscopic detection systems (SARA)**
- **Mobile spectroscopic systems (MONA)**
- **Gamma dose rate monitoring systems (MIRA)**



IN USE AROUND THE WORLD

For more than 35 years, our customers have been relying on Scienta Envinet's solutions for monitoring environmental parameters with more than 5,000 stations.

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