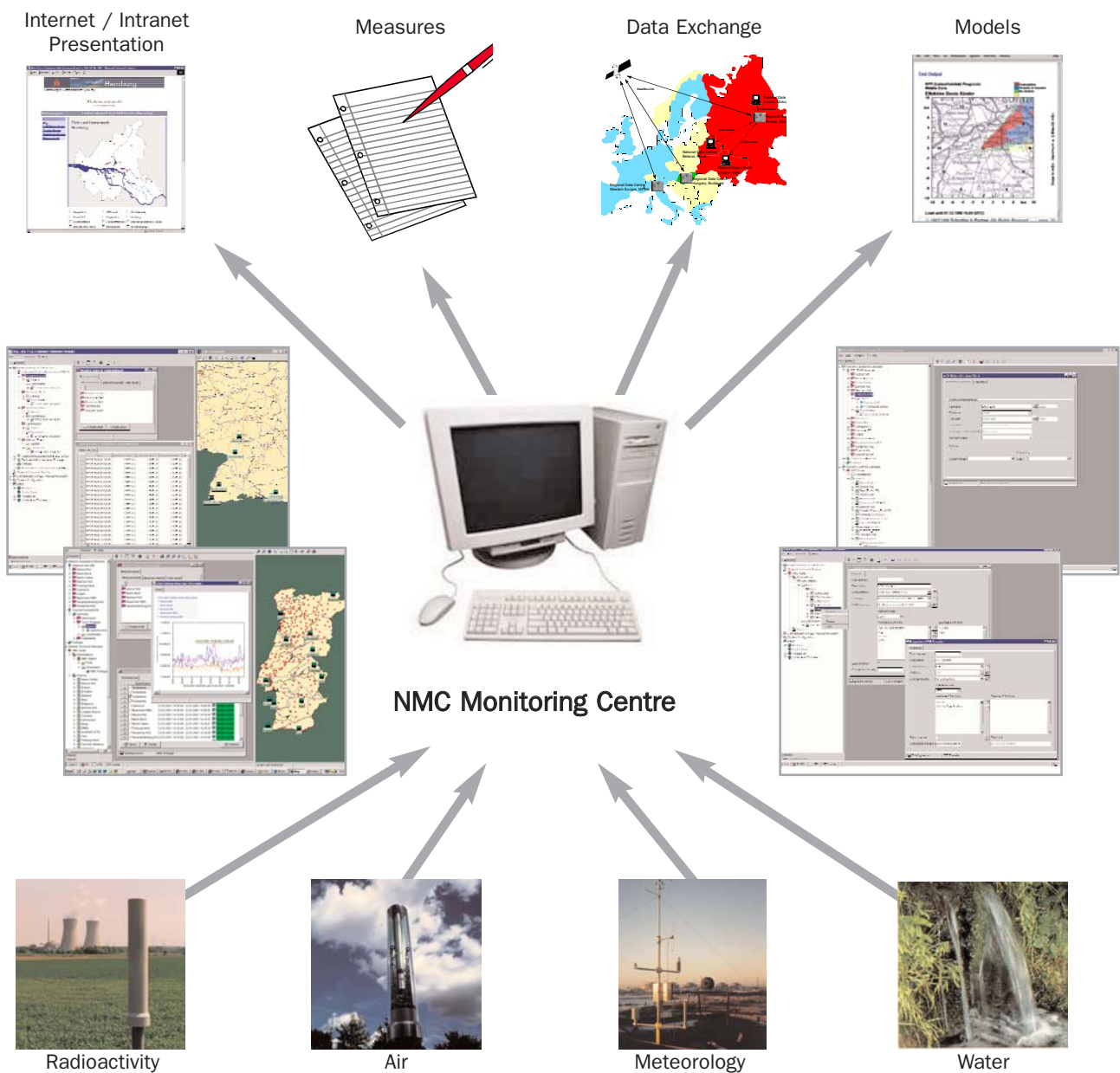


Environmental monitoring systems are subjected to modified functional requirements as well as to the rapid progress of information technology. Immediate and spatial access to recorded information is a precondition for

decision-makers to take measures. Up-to-date presentation and publication of data and information via internet and trust in invigilators and responsible authorities. Graphical presentation of data on the spot

by GIS (Geographical Information Systems) allows summaries at a glance, giving rise to supplementary options to process and analyse data.



For more than 15 years by now TechniData AG realises Environmental Information Systems. On the basis of this long standing experience the new standardised software platform NMC was conceived and realised for the following fields of application:

Applications

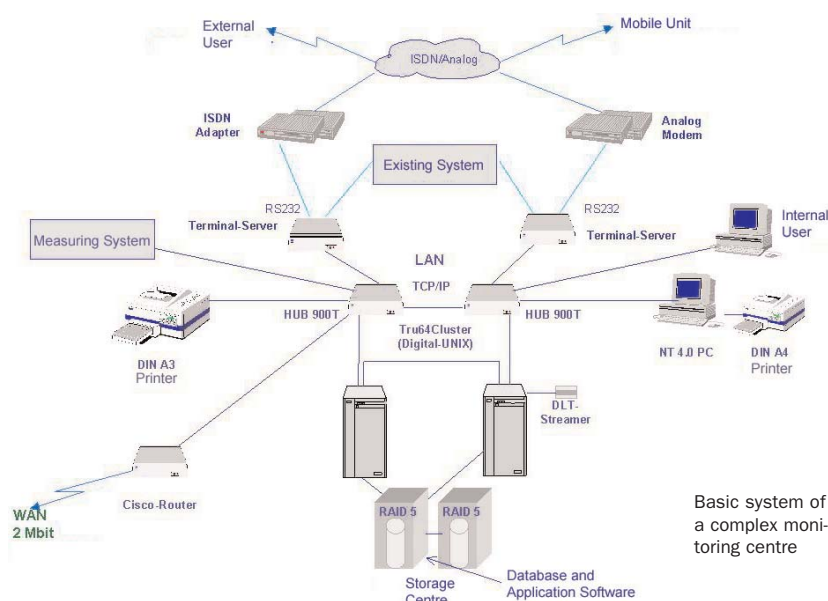
- **Air** (Monitoring of air quality and for emission control)
- **Radioactivity** (nation-wide monitoring networks, remote monitoring systems for nuclear facilities)
- **Meteorology** (local and nation-wide weather monitoring, hydrometeorological monitoring networks)
- **Water** (Flood monitoring, water management systems, quality assurance and emission control, waste water monitoring).

The concept of modularity and scalability allows NMC to match both workstation's and network system's different requirements of complex applications at ease. Independence to the system's platform contributes substantially to this advantage. Current operating systems as Windows NT, Windows 2000, UNIX and LINUX are supported by NMC. Utilisation of most up-to-date technologies makes smooth data transfer and presentation via internet / intranet available.

Features

- Modularity and scalability
- Explorer
- Web-ability by up-to-date technologies (JAVA, Corba ...)

- Platform independent
- Three-layer-concept (client, core module, database)
- Integrated GIS (Geographic Information System)
- Support of most important interfaces, protocols, and services (ISDN, telephone, GSM, GPRS, UMTS, radio, satellite, TCP/IP, X.25, XML, FTP, SMTP...)
- Statistical functions
- Derivative of status parameters
- Presentation of results and information
- Central reporting
- Transfer and exchange of data and information.



Basic system of a complex monitoring centre

Functionality

- Monitoring network control
 - Communication with monitoring stations
 - Configuration of monitoring stations
 - Functionality surveillance
 - Master data management
- Recording of continuous and discrete data
- Acquisition of mobile and laboratory data
- Visualisation of monitoring data
- Validation and verification of data
- Processing of data
 - Aggregation
 - Logic operations

Advantages for the user

- Dissemination availability and access to data
- Easy exchange of data and information with other authorities
- Flexible accommodation to new communication techniques
- Easy handling by familiar Windows graphical user interface
- Interdisciplinary utilisation features
- Extension and configuration options
- Rationalisation of workflow by automation
- High-ranking data integrity.

Fields of Activity

Radiation

With more than 3500 monitoring stations in service world-wide, TechniData is the leading supplier of monitoring systems for automated surveillance of gamma dose rate. The product portfolio ranges from single local monitoring stations to nation-wide networks, which are realised as turn-key solutions.

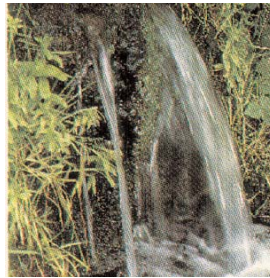


Air

Automated surveillance of air quality's parameters is a precondition for reduction of pollutant emission, hence improvement of air quality. TechniData realises for more than 15 years by now turn-key solutions for air quality monitoring and emission control.

Water

With the increasing demand of drinking water and proceeding pollution of limited water resources the careful use of this vital medium becomes more and more essential. Automated water quantity and quality monitoring networks from TechniData contribute to this aim.



Meteorology

In order to analyse the collected data it is often necessary to take into account different meteorological parameters. Furthermore weather monitoring is indispensable for prospective determination (modelling) of the state of the environment. For that reason meteorological data acquisition very often is an integral part of monitoring networks for radiation, air and water control.

Monitoring Centre

ENVINET-NMC is a highly modular product range to process environmental data for industrial or public users. ENVINET-NMC comprises all relevant functions for the continuous or discrete acquisition of environmental data, for data dissemination and data publication. ENVINET-NMC covers the application areas "Air Quality", "Radioactivity", "Meteorology" and "Hydrology" as well as processing and management of laboratory data and of data acquired by mobile monitoring stations. NMC is realised on the basis of modern software technologies, being platform independent and therefore executable on all operating systems.



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