

Technical Support and Emergency centre

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Technical Support and Emergency centre

The emergency management center will be on two places:

- Mochovce NPP Emergency Centre
 - Technical support center
 - Support working center
- Reserve Emergency Centre in Levice
 - Reserve emergency center
 - Environmental Evaluation Center

Technical Support and Emergency centre

The main aims of the emergency management centers are:

- The management and coordinating of all persons and organisations
- Provision of the all information needed to evaluation of the accident and its mitigation.
- Continuous evaluation of the potential or real radiological consequences
- Taking measure for an early notification of the governmental bodies and the organizations, warning and protection of the public, ...

Technical Support and Emergency centre

The data for Technical Support and Emergency Centre:

- MADAM S
- In core measuring system
- Chemistry monitoring and control system
- Radiation monitoring system including teledosimetric and meteorological data
- PAMS

RTARC 4.5 GIS Client/Server

at

Technical Support And Emergency Centre

of

Mochovce Nuclear Power Plant

RTARC 4.5 GIS C/S

RTARC (Real-time Accident Release Consequences)

- computer code to predict atmospheric transportation and off-site radiological consequences during the early phase of a nuclear accident or radiological emergency.

RTARC 4.5 GIS C/S

RTARC is mainly used for:

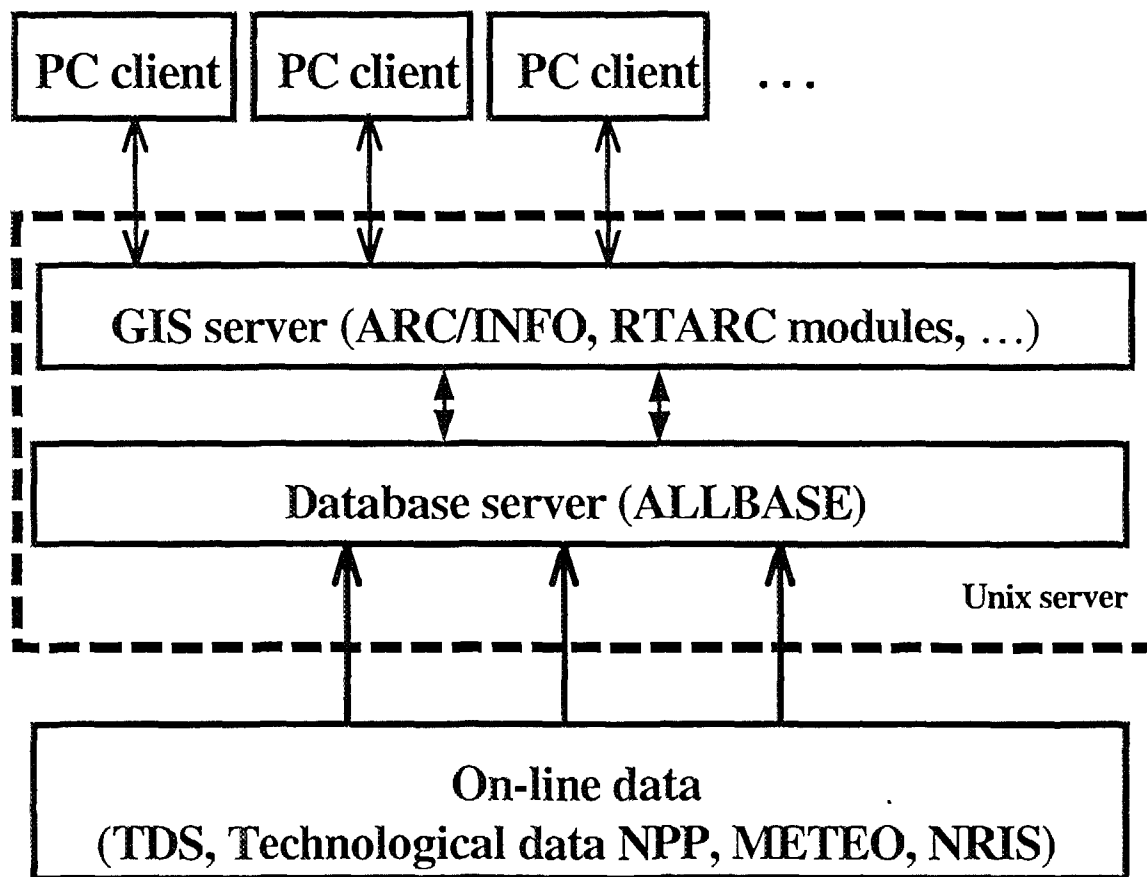
- first predictions of radiological situation
- basic emergency response planning and preparedness
- real-time dose projection and dispersion calculations during an accident
- post-accident analysis

RTARC 4.5 GIS C/S

The code calculations include:

- atmospheric transport and diffusion
- dose assessment (external exposure to the radioactive airborne plume, inhalation of the plume and resuspended radioactivity, external exposure to deposits from plume)
- evaluation and display of the affected zones
- evaluation of the early health effects, concentration and dose rate time dependence in the selected sites

RTARC 4.5 GIS C/S



RTARC 4.5 GIS C/S

GIS server

ARC/INFO

Data analysis

Geographical databases

Other static data

RTARC modules

RTARC 4.5 GIS C/S

PC client

Global application shell

ArcView

utility software

network connection software

RTARC 4.5 GIS C/S

Flexibility and other possibilities of RTARC in future:

- more sophisticated GIS analyses
- new calculation modules and new interpretation parts for its results
- accessibility to new sources of data through the database servers
- including new geographical data to system or updating existing geographical data