



Monitoring Systems

XMAR – XGIS

Applications for the control and management
of the monitoring stations

XMAR

Application for the control and management of the stations and the measuring devices

Functionalities

- Station configuration
 - Communication mode (direct, modem, other)
 - Measuring devices installed
- Configuration of measuring devices
 - Sensors and parameters
 - Calibration coefficients
- Communication scheduling
 - Data transfer time
- Special programming for each measuring device
 - Sampling interval and measuring period
- Automatic or manual data download
- Pre-elaboration and data storage
- Publishing of data on XGIS application (when present)

System requirements

PC with Windows XP or 7 o.s.

RAM: 3GB

RS232 o USB

XGIS

Georeferenced information system for data management and their representation and diffusion

Funtionalities

- Storage of monitoring system configuration
- Storage of all data published by XMAR
- Web browser access (intranet o internet)
- Authenticated access
- Three user levels (administrator, user, guest)
- Geographical site representation
- Tabular data representation
- Graphical data representation
- Data export in CSV format, and others
- Alarm management

System requirements

PC with Windows XP or 7 o.s.

RAM: 3GB

Internet access

Oracle Virtual Machine (delivered)

- Linux operating system
- SqlLite data base
- Web server Apache
- PHP programming

