

WebDAVIS

Evaluation of the current status and risks of complex geotechnical and hydrogeological projects requires the easy access and evaluation of monitoring data. The Solexperts software WebDAVIS (Data Visualisation software) provides fast and clear presentation over the Internet of both automatically and manually collected (e.g. sliding micrometer and inclinometer) data.

WebDAVIS handles a large number of sensors and a wide range of sensor types. The data presentations may be used for assessing the current status of the construction and is often part of the risk management of the project.

For the interpretation and risk evaluation of a project the concise presentation of real-time data and supplementary information is essential. WebDAVIS is today's solution for fast efficient and cost effective data visualisation over the Internet.

WebDAVIS: Data visualisation and Information platform



WebDAVIS Properties

The WebDAVIS allows clients to view the monitoring data of their project from a password-protected Internet site at anytime and from anywhere (e.g. office, home, laptop). The data are clearly displayed graphically and numerically with a link that refers to a site plan or a site photo. The straightforward structure of the program, together with the photos, spread sheets, drilling profile, logbooks, etc facilitates the overview of the project.

The visualisation surface of WebDAVIS includes:

- Automatically and manually acquired measurements
- Information on the alarm system (alarm thresholds, actions and events)
- Addresses of the responsible project and Solexperts staff
- Logbook of the onsite activities
- Additional documentation (photos, spread sheets, drilling profile, logbooks, etc)
- Download (and upload) options
- Information about customised sensors and data acquisition equipment.

The download option allows authorized staff to download data for calculation and interpretation. Depending on the project this option may include the possibility to upload data to the WebDAVIS system.

Data presentation

The monitoring measurements are generally displayed as time-dependent plots. The multigraph option allows the data of multiple sensors to be plotted on one graph. The data are represented in both detail and over-view graphs providing a fast and clear presentation of the current and past measurements (e.g. the last 10 days and the entire measurement period).

Additional views of the data (measurement tables, vector plots, isoline plots and profile-position graphs) can be integrated into the visualisation surface to provide optimal presentation of the measurements.

The WebDAVIS data source

Reliable and representative data must be acquired for an accurate interpretation and risk evaluation of a project. Solexperts has developed the field-proven GeoMonitor system to work in concert with WebDAVIS to provide the highest quality service possible for our clients.

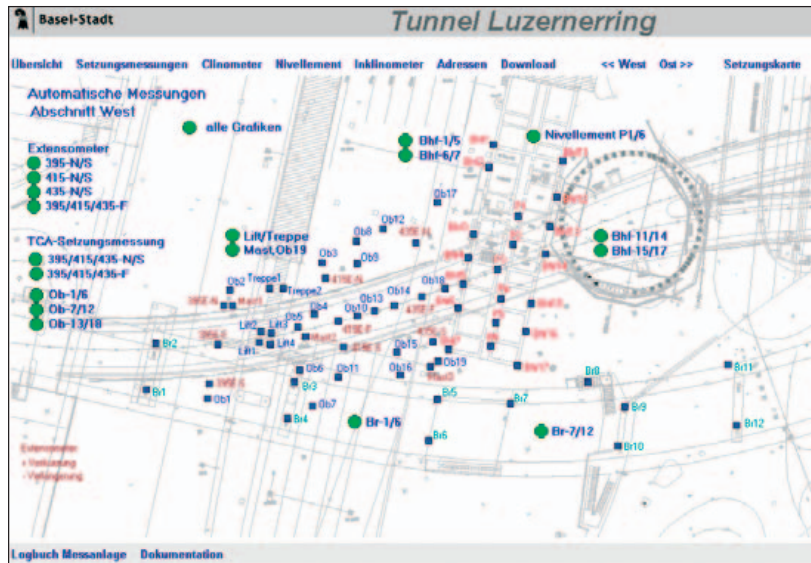
Automatically acquired data are routinely updated in the WebDAVIS. Manually measured data can be up-loaded to WebDAVIS by responsible staff through a password protected WebDAVIS option.

Service und Web-Hosting

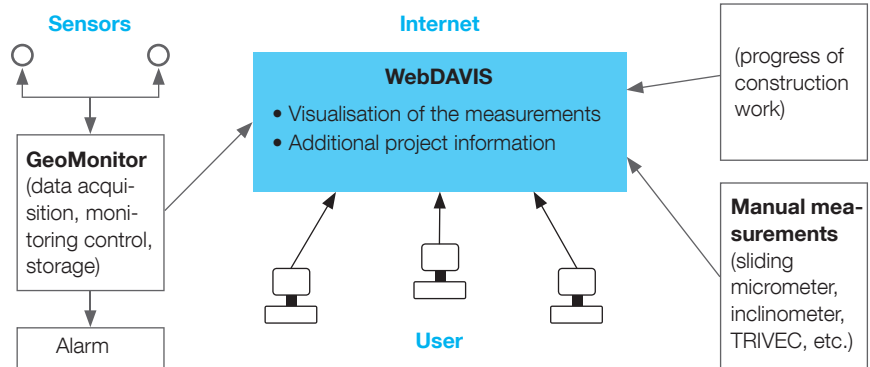
Solexperts installs WebDAVIS and ensures its continuous operation during a project.

Solexperts AG

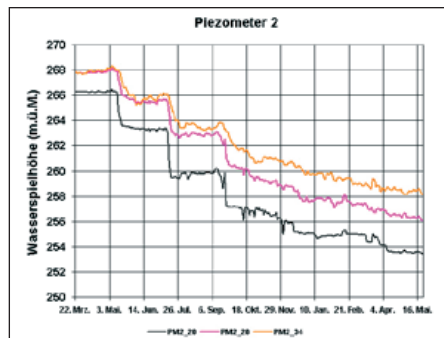
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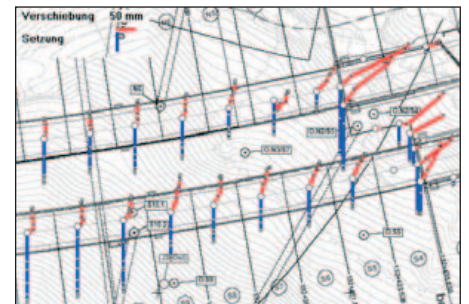
WebDAVIS in a monitoring system



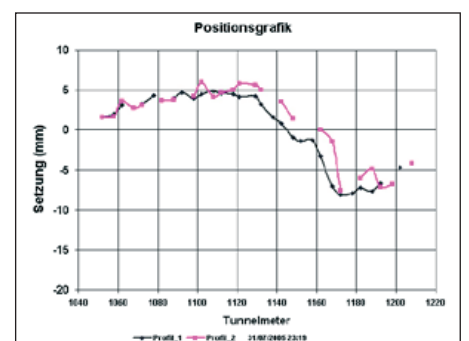
Time-dependent plot



Vector plot



Profile-position graph
 (e.g. subsidence along a tunnel)



Isoline plot

