hydrosconsult

Hydrology and Geomatics
for Water Resources Management

LIWIS®– Resource Information System Water Production

Water Production Technical Documentation

In terms of the constantly increasing demands, the efficient documentation of the technical resources is increasing in significance in the area of water production and quality assurance as well.

LIWIS®

Modular water resources management information system for water production. Quality assurance and protected area management on the basis of GE Smallworld

The Product

The Smallworld GIS application LIWIS®-LBM is a smart application using the interfaces for production, quality assurance (monitoring) and resource documentation for the drinking water supply network. With spatial reference, the resources used for the production of drinking water will be recorded in terms of their core data as well as resource parameters. The chronological progression will also be documented.

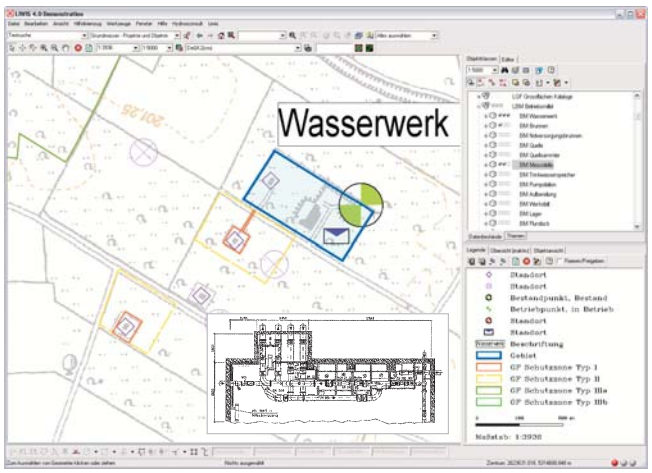
The focus of the activities is primarily formed by the planning and documentation of maintenance, malfunctions and repair work to the systems, their components and resources. The direct access to the spatial reference of the accompanying technical documentation offers valuable support for this.

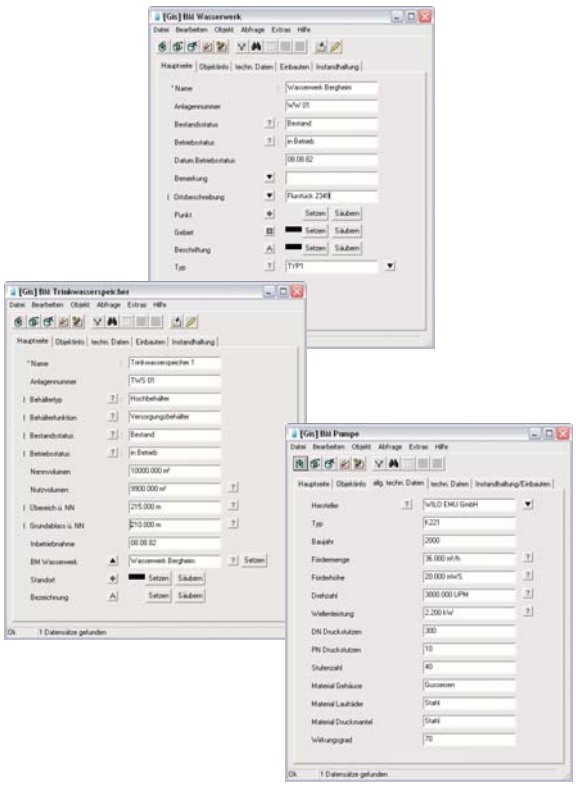
LIWIS®-LBM was developed as an expansion to the LIWIS® groundwater monitoring application and also offers access to the time series management. It can be used as an independent, modularly encapsulated Smallworld application as well.

All data is stored and administrated within the GE Smallworld database system (geometrical and technical data):

- Primary objects for water production (running wells, measuring points, sources, emergency supply wells)
- System administration (waterworks, pumps, reservoirs, containers, feeds, etc.)
- Components (pumps, motors, filters, containers, fixtures, measuring devices, data loggers, etc.)
- Uniform data for maintenance, malfunctions, repair works with complete history management
- Time series management of operating conditions and operational parameters in conjunction with LGW
- contaminated sites, disposal sites and sewage plants in protected water areas with location and contact information)
- Photographic and graph documentation of the systems via Image Manager
- Technical documents, drawings, etc. via related documents

An Oracle connection is available via the SW Oracle InSync mechanism.





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