

Air Quality Monitoring Central Station

The AquisNet central station consists of four individual software modules which may be combined with one another as necessary:

- AquisNet system core
- AquisNet DMO (data management office)
- AquisNet REP (reporting)
- AquisNet DV (delivery, data forwarding)

A functional system can be built by combining just two of the modules, namely the system core with either AquisNet DMO or AquisNet REP. AquisNet DV is an optional component for comfortable data forwarding. In the individual metering points outside the master station AquisNet DMS (data management station) is used.

AquisNet can adapt to meet a range of challenges. The modularity of the software provides customers with many options. Our experts would be pleased to consult with you on the combination of modules which will suit your needs best. You're on the right track with AquisNet - even with respect to the future, as adding or extending the initially deployed components is not a problem.

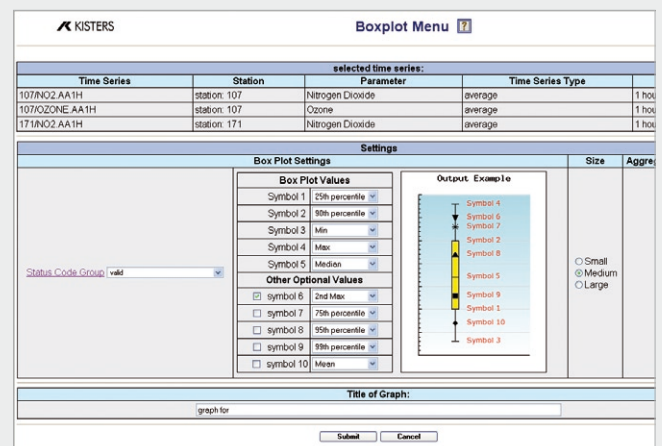
System core

The AquisNet system core handles data management and communications, and provides functions to other modules. It manages database access for other modules, and is capable of carrying out

complex calculations and plausibility checks using KISTERS time series management. Together with AquisNet DMO or AquisNet REP, it represents a functional system for operating air measuring networks.

AquisNet system core functions

- Import and export of time series and basic data
- Data management
- Time series management
- Calculations
 - Arbitrarily cascadable aggregations (min/max, sum, percentile, indices, mean value, exceedance frequencies, etc.)



- Plausibility checks (relative/absolute standard deviation, 2-way plausibility check)
- Correction (interpolation)
- Provision of system core functions for other modules
- Optional: External archiving

Supported databases

- Oracle
- MSSQL

Operating systems

- Linux
- Windows

AquisNet DMO - the Data Management Office

The AquisNet DMO validation module, a Windows-based rich client, provides the professional user with a wide range of functions to configure AquisNet and for effective and easy-to-use data validation. AquisNet DMO allows you to manage stations, station groups, basic data, users, aggregation templates and many other data types. AquisNet DMO requires the functionality of the AquisNet system core to provide these functions. Together, these two modules are able to provide optimal control over large measuring networks. AquisNet REP, AquisNet DV for data forwarding and AquisNet DMS to control individual stations may also be deployed.

- Simple management of measurement and calibration data, including quality status, user data, stations and station groups, aggregation templates, components and master data
- Wide range of system configuration options
- Wide range of data validation options
- Time series editor for interactive time series processing, time series browser, simultaneous handling of multiple time series
- Clear graph and table views on data, graph export
- Formula editor, calculations, plausibility checks
- Editing history and rollback
- Clear data overview

AquisNet REP - the reporting module

AquisNet REP, the central evaluation and reporting tool, provides the user with a broad spectrum of options for data evaluation and calculation, as well as to create and manage reports. Together with the AquisNet system core, AquisNet REP is a functional and robust system for users at central stations. This base system may be extended using AquisNet DMO, AquisNet DV or the AquisNet DMS station module to operate measuring stations.

- Basic data reports, measuring data reports
- Individualized reporting functions
- Supported report formats: HTML, PDF, CSV, XLS
- Report storage and report scheduler
- Powerful evaluation functions, free and predefined evaluations
- Clear data display in graphs or zoomable tables
- Calculation of key data, statistical calculations, probability distribution
- Extensible function library for aggregation templates
- Hydrographs, wind roses, pollutant concentration roses
- Data collective for rapid case-related data evaluation
- Station group editor
- System monitor
- Data and report forwarding (in combination with AquisNet DV)

AquisNet DV - the forwarding module

AquisNet DV („delivery“) controls data forwarding from the AquisNet system. It includes functions for the maintenance of recipient data and time profiles, as well as their summarization into time-independent supply profiles, support for different media types and archive functions.

- Report forwarding over a range of media types, simultaneously
- Supported media types: FTP, email, SMS, fax, printer
- New media types may be connected
- Simple address data and recipient group maintenance
- Management of time profiles and time-independent supply profiles
- Archiving of sent reports

Progress and success in air quality monitoring:
With AquisNet and the competence of pioneers.