



Data Services

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Data Services

OP SIS Data Services provides easy management of measurement data. The main components of OP SIS Data Services are automated data transfer, reliable storage, real-time data presentation, calculations, alarms, auto-validation, and data export. It has the capability to export data in various formats.

DATA COLLECTION AND STORAGE

The data is collected using the OP SIS WT256 Web Transfer equipped with software to handle different types of analysers, protocols and sensors. The data is stored in the WT256 and transferred via the internet, in real time, to OP SIS data centre.

DATA PRESENTATION

OP SIS Data Services provides a powerful web-based presentation tool for viewing the collected data. The presentation can be accessed through any browser, for example on a smartphone or a computer. The Data Presentation contains many different visual presentation modes that suit the need for presentation of time-series data. It is possible to view data in a table, a graph or even on a world-map.

ALARMS

The Data Presentation can generate alarms based on the measurement data and user-defined criteria.

The alarms are highly customizable and they can alert users if a certain threshold limit is exceeded or simply if no data has been received by the system. When an alarm is triggered, it is visible in the Data Presentation and an email can be sent to a predefined list of email addresses. Alarms are available in OP SIS Data Services Extended.

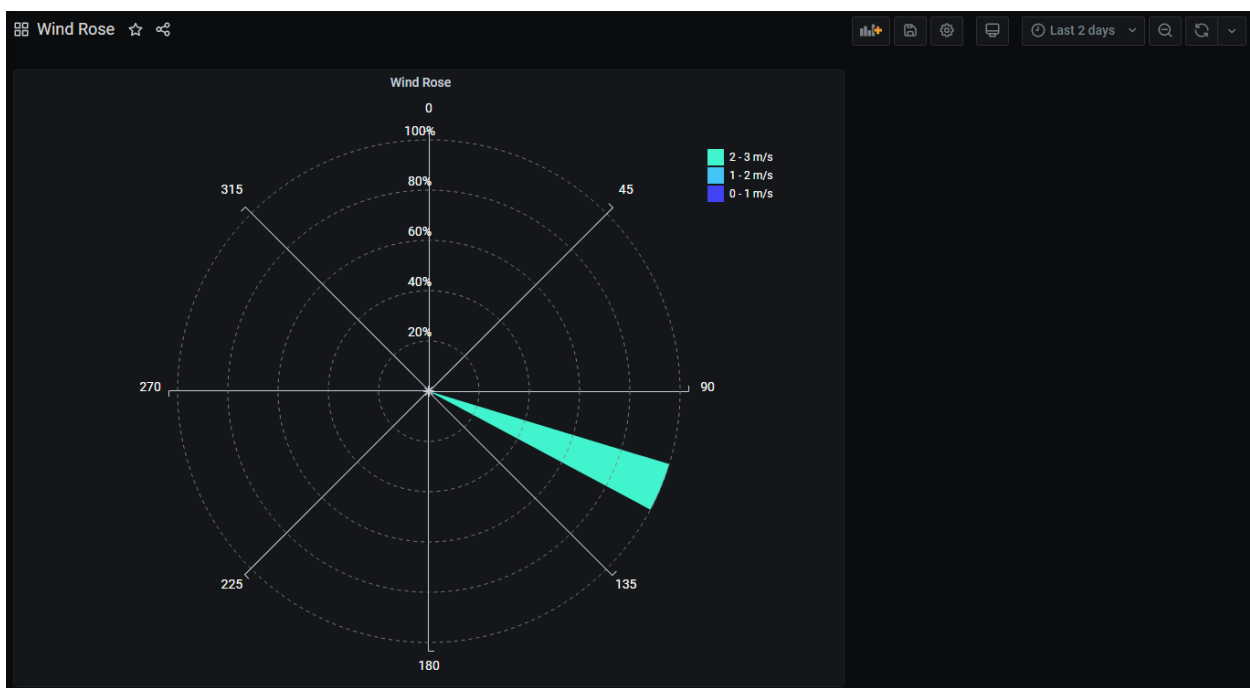
CALCULATIONS

In many situations, it is necessary to process the measurement data to make it presentable. This could be anything from a simple unit conversion to calculating NO_x from NO_2 and NO , as well as calculations of air pollution index. OP SIS Data Services can perform these tasks automatically and the calculated data is displayed in the Data Presentation.

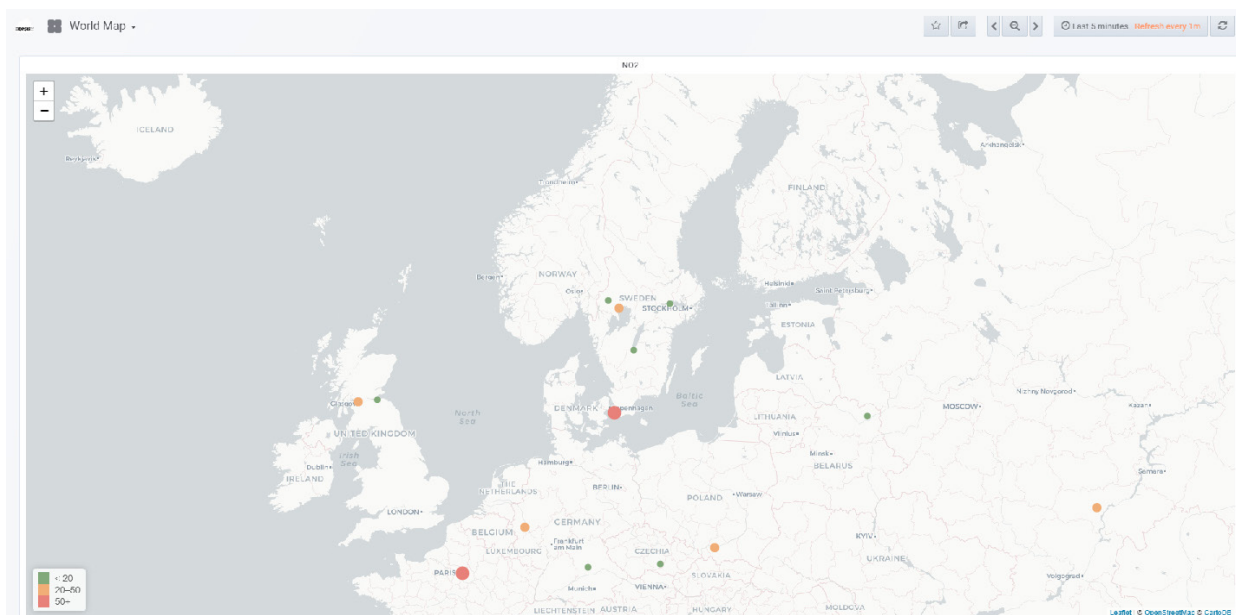
AUTO-VALIDATION

Monitoring data has to be validated before being presented to the public. The raw data are validated automatically to allow presentation on web sites.

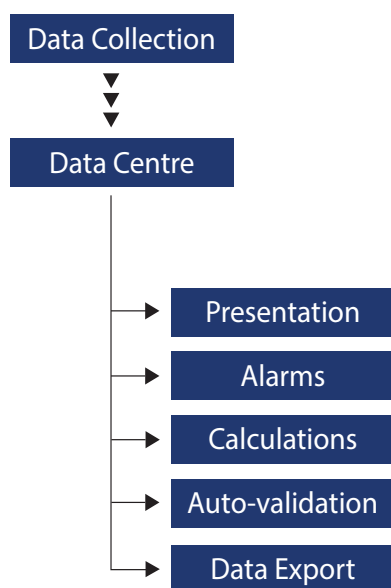
On a monthly basis, the data can be manually validated and a validated database is created for reporting.



Screenshot from the Data Presentation. Data can be displayed as a function of the wind directions using the feature shown in the picture.



This screenshot shows nitrogen dioxide levels in fourteen European cities. The size and colour of the circles depend on the concentration level at the site in real time.



A schematic layout of the OP SIS Data Services components.

DATA EXPORT

Interaction with other systems and software is ensured by exporting the data as files. OP SIS Data Services provides automatic data export in the form of CSV files (comma separated value files), OP SIS' own file formats, and other file formats. The file distribution can be tailored to fit with the specific demands of the customer. In addition to the automatic data export, it is possible to manually download data in Microsoft Excel-format.

SECURITY ASPECTS

OP SIS follows the requirements of the information security standard ISO 27001.

DATA SERVICES

OP SIS Data Services is available in two versions, Standard and Extended, as annual subscription.

REQUIREMENTS

- OP SIS WT256 Web Transfer (minimum version 2)
- Smartphone/computer/tablet
- Internet access

	Standard	Extended
Data Collection	●	●
Data Presentation	●	●
Data Export – File Download	●	●
Data Export – PCK- and Bnn-files	●	●
Data Export – File Upload		●
Data Export – CSV		●
Data Export – Air Quality Data in real-time to SNV		●
Alarms		●
Calculations		●

Data Services by OPSIS

Data collection and storage

Data presentation

Alarms

Calculations

Auto-validation

Data export

All-in-one system available as annual subscription

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Please contact your OPSIS supplier to discuss your particular system requirements, including the compounds you wish to monitor. Separate product and industrial application sheets are available. Specifications subject to change without notice.

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