Data services

Vaisala has a long experience in operating data services.

Observation data is collected regularly from devices at customer sites to Vaisala data centers. In addition to actual observation data, Vaisala has been offering relevant value-adding services like application specific forecasts and decision-support for data customers. The applications cover areas such as information services to road maintenance authorities, safety information to power and energy utilities or insurance companies, information applications to airports up to specific wind energy information services.

Vaisala Data Services consist of three components: Data Management Services, Data Quality Services and Data Communication Services.

Data Management Services

With Data Management Services, Vaisala collects, stores and manages your observation data from your systems to the state-of-the-art Vaisala data centers. The data will be available to you via secure password-protected internet interface. You will be able to display data in tabular and graphical formats as well as carry out your own CSV-compatible data exports which allow you to do your own manipulation of the information.

Vaisala monitors the data collection infrastructure and advises you of any failure of data collection platform or its communication 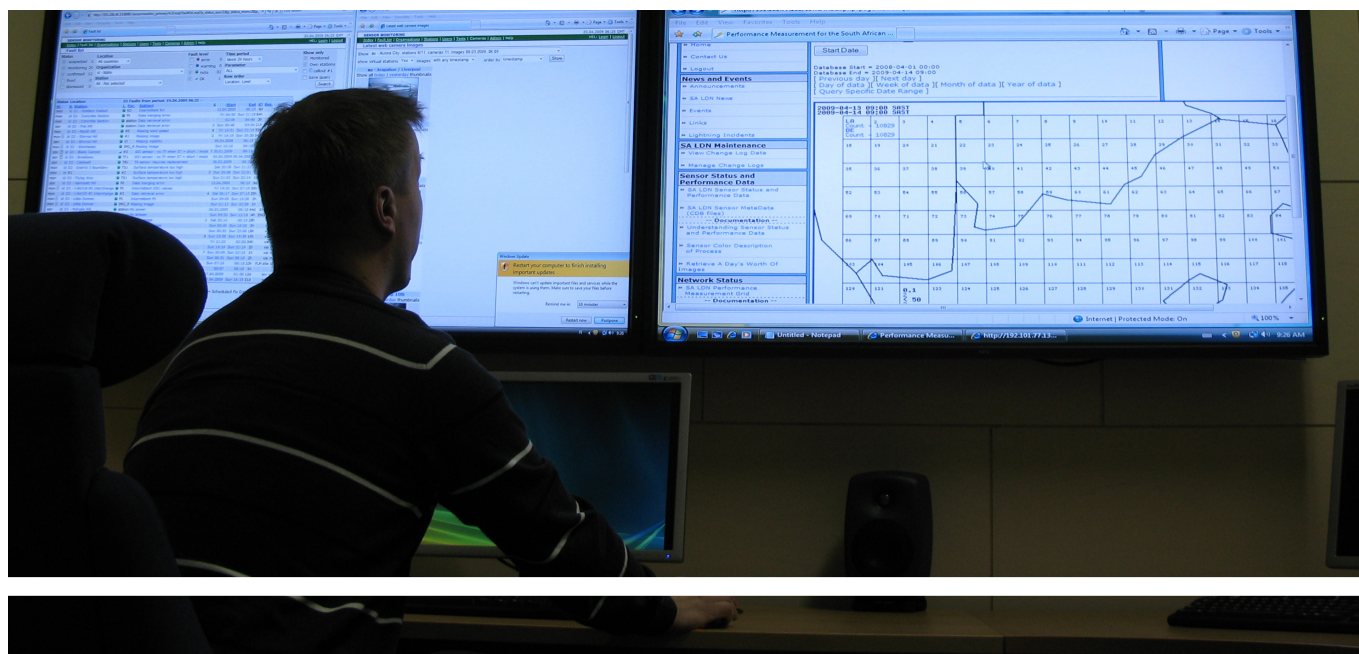media. Vaisala monitors data availability from the equipment as well as at the parameter level. Vaisala can provide you with monthly reports on performance and data availability. The service itself is monitored 24 hours a day to ensure the continuous provision of observation data.

Vaisala recognizes that you may have industry- specific statistical data report needs. Vaisala can provide you with information and reports in the required formats.

Data Quality Services

Although data is normally owned by the customer, Vaisala collects, checks quality, archives and provides perfomance-related information regarding customer systems.

Data Quality Services add more depth to the data services by providing more confidence to the data provided to the customer.

Using these services mean that, before being written to the database, the collected data passes a variety of quality checks performed by an automatic data quality software. Any suspected errors or anomalies in data are then sent to the Vaisala Technical Support for verification before customer is alerted. Any data confirmed as being anomalous is then blocked from display in the internet.

This ensures confidence in all data made visible, and that it suits the purpose.

Should you choose to have Vaisala Services to maintain your observation systems, then, instead of informing you, Vaisala would take care of corrective actions in timely manner, once faulty data is verified and cause identified.

Data Communications

Vaisala can provide a choice of data communication methods to fit your purpose. Offered communications are reliable and free from interference.

The communication method will be dependent on the actual observation types and data amount as well as the available infrastructure.

Vaisala monitors the data collection infrastructure and will advice you of any failure of the data collection platform or its communication media.

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For more information, visit
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