ReportLoq Soft

Reliable, certified emissions reporting

Comprehensive, stress-free Data Acquisition and Handling System

Emissions measurement and reporting are facts of life for waste incineration plants, large combustion plants, and similar operators. But reporting can be laborious, repetitive work that draws your attention from other critical tasks.

ReportLoq from Olicem helps organise your environmental reporting and ensures you comply with specific statutory requirements. Using ReportLoq makes reporting in accordance with IED, WID and LCPD painless and straightforward.

A one-stop solution for data collection and emissions reporting, ReportLoq meets all your environmental reporting needs – and lets you focus on what really matters.

Our deep experience and know-how within emissions reporting provides a robust foundation for ReportLoq. Tried and true technologies come together with innovative ideas – creating smart solutions for environmental reporting and process control.

Stay compliant with changing environmental regulations

Waste incineration plants, large combustion plants, cement factories, and similar operators must comply with ever more stringent environmental regulations – which are constantly updated and revised. At Olicem, we stay on top of the latest in emissions regulations, including gas analysis, reporting, and potential future legislation. We use this insight into the regulatory domain to keep ReportLoq up-to-date, so you can be sure your reporting complies with the most current requirements.

MCERTS as a quality stamp

ReportLoq is MCERTS certified, guaranteeing compliance with applicable laws. The certification also shows that ReportLoq has been safety-tested and validated to ensure it meets various requirements, including EN 14181 and EN 17255. The MCERTS logo is a seal of approval that your environmental measurements have been carefully managed and accurately calculated.

Key benefits

■	■	■	■
Monitor emissions in real-time	**Prevent exceedances**	**Use MCERTS certified reports**	**Securely store historical data**

Rest easy with secure and certififed technology

Features and functionality

ReportLoq Soft offers user-friendly, MCERTS certified environmental reporting with a wealth of features. It allows staff responsible for environmental monitoring to access current reports and oversee the system using a browser, keeping your plant in compliance with reporting requirements and giving you the line-of-sight necessary to prevent exceedances.

- CEMS real-time surveillance
- Preventive calculations
- QAL module including QAL2 and QAL3
- Trend with historical features
- Historical alarms and exceedances
- Validated calculations for SCADA
- Local backup
- Recalculations module
- Reporting according to IED, WID and LCPD
- PDF- and Excel reports
- Data export to CSV
- Cockpit with quick overview
- Local server with data visualisation
- Data collection using OPC UA
- Time sync of DAHS
- Free access to bug-fix versions

License and installation

- For installation on Microsoft Windows platform (Server edition recommended)
- Software delivered including license with perpetual usage for the installed version
- Licensed per site + per stack with unlimited users
- Data storage: MongoDB
- Retention policy: Configurable depending on local requirements

OPC UA - the supported communication form

The embedded UPC UA client continuously fetches data from an OPC UA server using 2048 bit RSA cryptography, providing a secure and easy transfer of environmental data. Every data point is collected with meta data describing analyser state and plant operation status allowing correct validation of collected data.

It is recommend to transfer analyser signals from various BUS technologies or 4-20mA to the OPC UA server using a local controller.

ReportLoq Soft includes support for

- Data collection every 10 seconds
- Standardised SFLD and SSTA values
- Validated VFLD and VSTA values
- Confidence intervals and ELV based on e.g. fuels or static values
- STA as e.g. 10, 30 or 60 minute averages
- LTA as e.g. daily or monthly averages
- Validation against STA or LTA limit values
- Calculating % of daily, monthly or yearly values exceeding ELV to comply with e.g. 97% day
- Calculating % of daily CO using 10 min. STA to comply with e.g. 95% day
- Validation and count of measurements outside range and during capping
- Emission validation against ELV during plant operation
- Calculating mass emission to kilo during plant operation/start/stopping
- Automatic replacement of invalid periods for mass emissions
- Parallel analysers by priority or average
- Calculating emissions based on other measurements, as e.g. NOx
- Validation of 5% and 40% SSTA values exceeding calibration range
- Calculating QAL3 correction using CUSUM