

GAS ANALYSIS TECHNOLOGY

# ReportLoq

Reliable, certified  
emissions analysis



# Easy and safe environmental reporting, wherever you are

Focus on your operations without worrying about your emissions reporting. Our user-friendly emissions analysis tool comes in three versions – each with real-time monitoring and a wealth of features.

ReportLoq takes care of the heavy lifting, helping you avoid exceedances, meet regulatory requirements and run your plant smoothly.

## Key benefits

■  
Monitor emissions  
in real-time

■  
Prevent  
exceedances

■  
Use anywhere  
via a browser

■  
Use MCERTS  
certified reports

■  
Securely store  
historical data



Gain easy access to your environmental reporting, wherever you are

### **Comprehensive, stress-free environmental reporting**

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

ReportLoq from FLSmidth helps organise your environmental reporting and ensures you comply with specific statutory requirements. Using ReportLoq makes reporting in accordance with WID and LCPD painless and straightforward – and its easy-to-use, web-based interface gives you access anywhere you need it.

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 more than 25 years of know-how within emissions reporting provides a robust foundation for all ReportLoq solutions. Tried and true technologies come together with innovative ideas – creating smart solutions for environmental reporting and process control.

### **Satisfy environmental reporting needs – and make your data work for you**

The ReportLoq system is a full environmental performance management and reporting package. And its wealth of reporting features help you take advantage of the information you collect and discover new, forward-thinking possibilities for proactively using your data.

# Three versions – one great emissions analysis solution

Many plants already benefit from ReportLoq's powerful capabilities to measure air emissions continuously and transform them into reports. Now, the software is available in three versions to meet your varied requirements.

ReportLoq's Enterprise, Pro, and Core versions all provide effective environmental reporting in pyro processing plants, including:

- preventive calculations,
- real-time surveillance,
- a QAL module,
- storage of historical alarms and exceedances and
- MCERTS certified reports.

Real-time monitoring helps you stay within authorised emissions limits and MCERTS certification demonstrates that all of your emissions measurements are appropriately managed and calculated.

## Enterprise

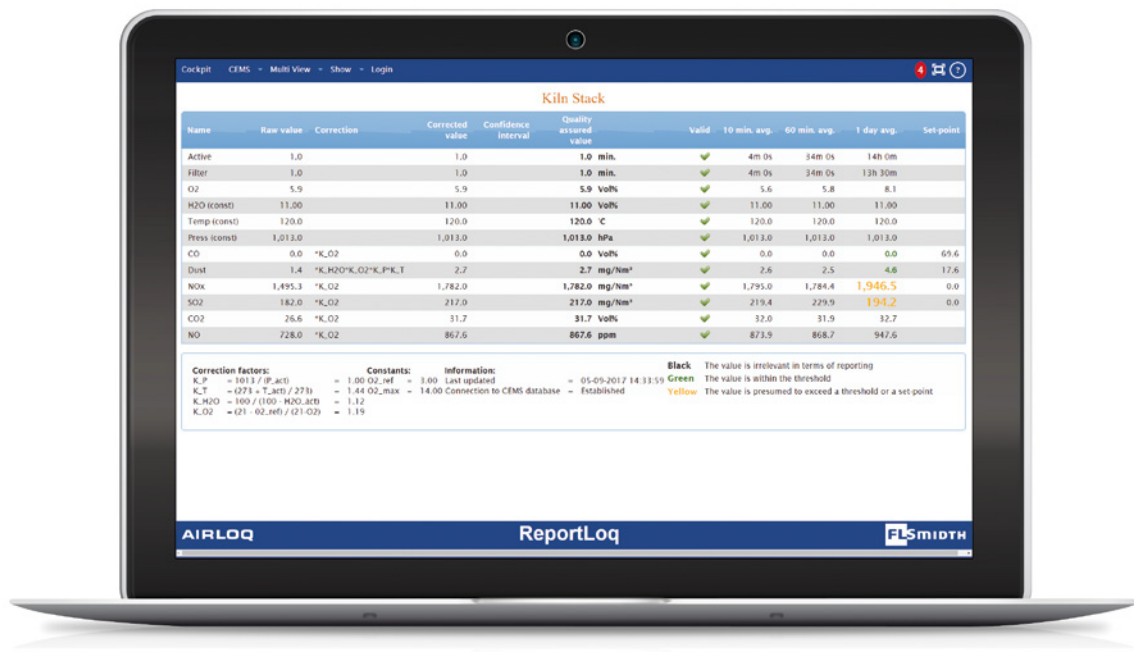
A comprehensive solution for emissions monitoring and reporting with online access and worry-free data storage. Includes remote cloud-based backups, email reporting, data exporting, integrated remote service diagnostics, and the flexibility to access information from anywhere. Delivers an efficient, full-scale solution for plants with several physical locations.

## Pro

A robust emissions monitoring and reporting package with the ability to export your data and overview of several incineration lines. Your data is stored locally in a stand-alone system, without cloud backups.

## Core

A stand-alone system for complete emissions monitoring and reporting. A local server, without cloud connectivity, stores your backups and data cannot be exported.



# It's easy to pick the right version

- Do you want the security and accessibility that comes with cloud backups?
- Do you need remote access to emissions reporting from wherever you are?
- Do you want to be able to turn back the clock and correct measured values?

## ENTERPRISE

The Enterprise version connects to the cloud to give you worry-free backups and access. You benefit from the simplicity of ReportLoq's on-the-go monitoring and reporting.

- Do you want environmental reporting with local, non-cloud data storage?
- Do you need to be able to export your data and continue working with it offline?

## PRO

The Pro version gives you onsite data storage and the same basic reporting features of all ReportLoq versions. You can also export data.

- Do you want a robust environmental reporting system without cloud storage or the ability to export data?

## CORE

The Core version provides the basic functionality you need from a stand-alone server.

# Worry-free usage, updates and maintenance

## Smooth service and operations

Each new installation of ReportLoq comes standard with a one-year service contract, giving you access to new versions of the system – and providing you peace of mind and uninterrupted operations. After the first year, the annual service contract for the Core and Pro versions is 10 percent of the license fee. At the Enterprise level, the service contract is 30 percent of the license fee due to the larger software package and cloud access.

## No-sweat maintenance

ReportLoq is continuously developed to enhance functionality and ensure compliance with applicable legislation. The annual service contract includes license maintenance and is a prerequisite for modifications to the installation, including

- adding new environmental approvals,
- making revisions to reflect analyser replacements, and
- starting environmental reporting for newly acquired combustion lines.

We perform all upgrades online, making sure you have the most up-to-date emissions reporting software without any technological complications.

## Integrated diagnostics for easy support

The Enterprise version also includes ReportLoq Diagnosis as an additional service. This diagnostic tool connects your system to our service centre, allowing us to deliver quick assistance in the event of errors with analysis or reporting equipment. The close connection between your environmental reporting system and our service centre guarantees quick, effective support.



ReportLoq provides a convenient overview of your data in a busy workday

# 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 FLSmidth, 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 certification

All ReportLoq versions are 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.

The MCERTS logo is a seal of approval that your environmental measurements have been carefully managed and accurately calculated.

## Quality assurance

ReportLoq has integrated functions for controlling and calculating data in connection with QAL2 and QAL3 calibration functions, and the values can be entered via a web browser. ReportLoq registers and calculates QAL3 adjustments based on the CUSUM method specified in EN 14181.



We have your data quality assurance under control so that you may focus on your key tasks

# Ongoing monitoring helps you avoid exceedances

## Real-time overview

ReportLoq ensures that technicians have access to up-to-the-minute emissions values – not only traditional raw values, but also QAL2 and QAL3-corrected, normalised, and validated data.

The easy-to-use web interface lets users quickly and easily track trends using criteria including emissions components or time intervals. There's also the possibility for multiple user logins, giving your staff uncomplicated, uniform access to emissions data and reports.

By performing preventative calculations, ReportLoq helps your facilities avoid exceeding authorised emission limits. Projections of current emissions data generate prevention alarms, which give you time to respond and help you eliminate exceedances.

Environmental exceedances appear as alarms. Operators can comment on these alarms and then print or send them directly to local authorities or colleagues.



Avoid exceedances with preventive alarms



# Rest easy with secure technology

## Collection and calculations

Environmental reporting requires both data collection and environmental calculations. We work with our customers to make sure the technology needed for these processes meets your requirements.

ReportLoq uses high-performance equipment and includes the option to build in redundancies to help reduce the risk of data loss.

## Data security

Regulations often require emissions data to be retained for at least five years. ReportLoq exceeds these standards.

The Industrial PC and both server options store data for a minimum of 10 years. In all three possible configurations, the controller itself saves your measured values locally for 30 days, giving you time to transfer data in the event of a server crash or network outage.

The Enterprise version provides the highest level of security as data is stored remotely in the FLSmidth data centre.

## Data validation

ReportLoq uses advanced data validation methods, ensuring the precision and high quality of every single data set.

## Three possible configurations

### ▪ Industrial PC (IPC)

An easy, all-in-one solution, as both data collection and environmental calculations are performed by one small server.

### ▪ Controller and rack server

A combination of two physical pieces of hardware, where data collection is performed by the controller and the rack server handles the environmental calculations.

### ▪ Controller and virtual server

Perfect for plants with an existing virtual environment as environmental calculations are handled by the virtual server using data collected through the controller.



No matter which configuration you chose, precise, high quality data is a given

# Choose the right reporting software for your requirements

## Emissions reporting that meets your needs

An advanced emission reporting system is vital for efficiently monitoring emissions and managing legislated requirements. Regardless of what version of our ReportLoq tool you select, you can rest assured that it provides accurate, up-to-the minute reporting wherever you are and whatever your needs.

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

## Standard features and functionality for all ReportLoq versions

- CEMS Real time surveillance
- Preventive calculations
- Reporting according to EN14181, WID and LCPD
- QAL module including QAL2 and QAL3
- Trend with historical features
- Historical alarms and exceedances
- Validated calculations for SCADA
- Local backup
- Recalculation module

	ENTERPRISE	PRO	CORE
Data export	●	●	–
Cockpit with quick overview	●	●	–
Combined overview for incineration lines	●	●	–
Configurable dashboard	●	●	–
Online access using <a href="http://www.reportloq.com">www.reportloq.com</a>	●	–	–
DAHS diagnosis	●	–	–
Remote backup	●	–	–
Email module	●	–	–
Data substitution	●	–	–
Support for the Smoke Gas Method	●	–	–
Support for custom reports	●	–	–
Support for manual data input	●	–	–
Support for tax reports	●	●	●
Support for CO2 reporting	●	●	●
Support for CO cut off	●	●	●
Time synchronization of DAHS*	●	( ● )	( ● )

\*Core/Pro requires access to NTP server.

# Gas analysis and reporting solutions

Let our experience and advanced technology deliver worry-free monitoring and reporting. Our advanced gas analysis equipment, reporting and service packages provide peace of mind.

## Industries served

Our portfolio of gas analysis and reporting solutions are available for six key industries:

- Cement
- Lime
- Waste
- Power
- Steel
- Nickel

## Gas analysis systems

- Probe systems (KilnLoq®)
- Gas conditioning (GASloq™) - both cold/dry and hot/wet solutions
- Analysers
  - Oxygen
  - CO, CO<sub>2</sub>, NO, SO<sub>2</sub>
  - NH<sub>3</sub>, HCl, HF and H<sub>2</sub>O
  - Total hydro carbons (THC or TOC)
  - Dust and flow
  - Mercury
- Site housing (GASloq™ CUBE Analyser Room)

## Environmental reporting system

- Web-based and stand-alone environmental reporting (ReportLoq™)

## Life cycle services

- Service agreement
  - Advanced troubleshooting
  - Preventative maintenance visits
  - Performance monitoring and remote optimisation
  - Engineering service
  - Software license upgrade subscription
- Remote technologies
- Training courses
- Spare and wear part supply
- Installation and commissioning
- Preventative maintenance
- Repair and calibration
- Upgrades and retrofits

## Your global partner

For more than 135 years FLSmidth has sold equipment, plants and services to the cement and mining industries.

Today we sell productivity.

Through advanced technology and unique process knowledge, our 12,000 employees across more than 50 countries provide sustainable productivity enhancement to our customers.

We seek to increase our customers' output and decrease their total cost of ownership.



□ Supercentre

□ Project and technology centre

■ Production

■ Sales and services

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