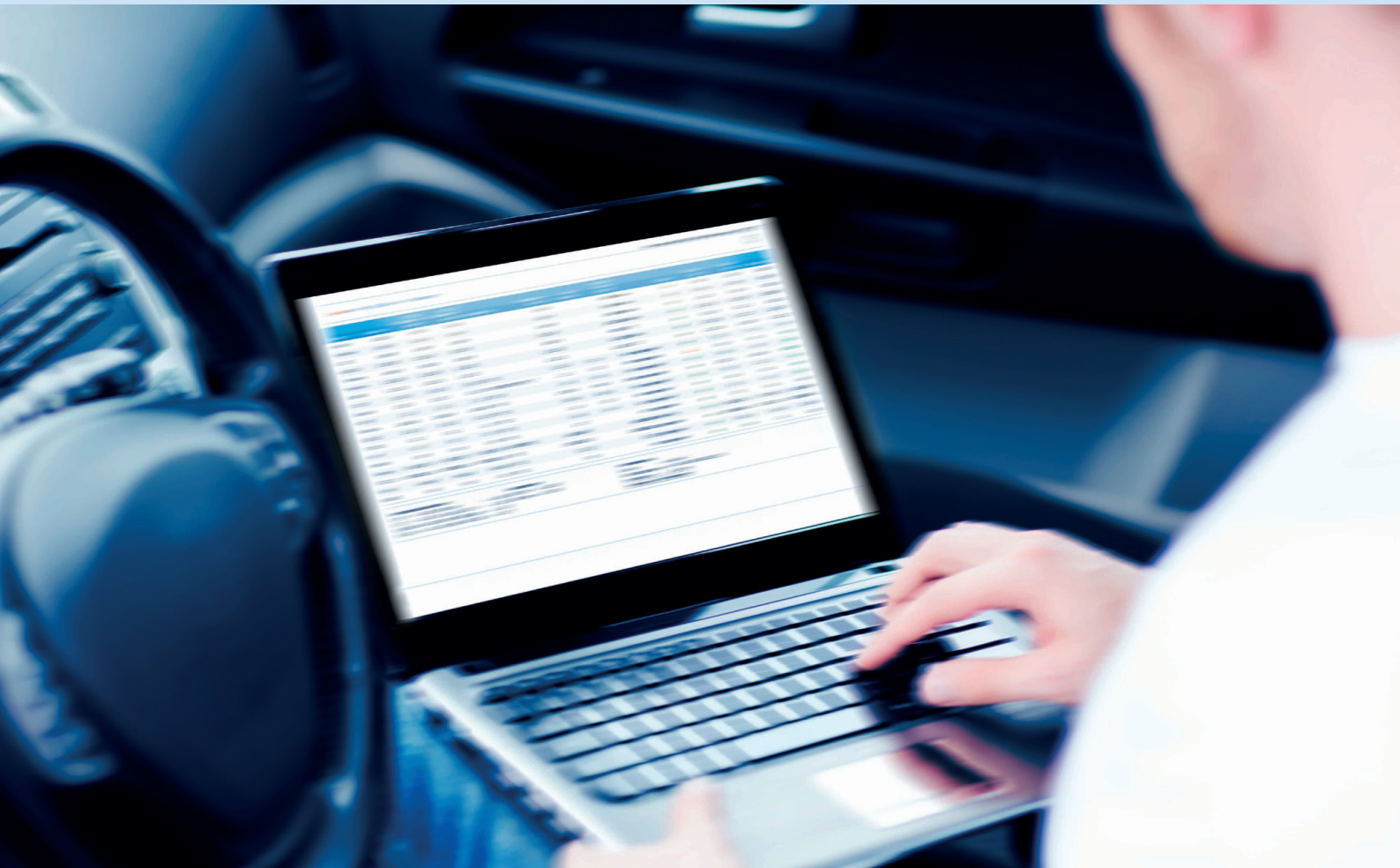


ReportLoq

Reliable, certified
emissions reporting



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

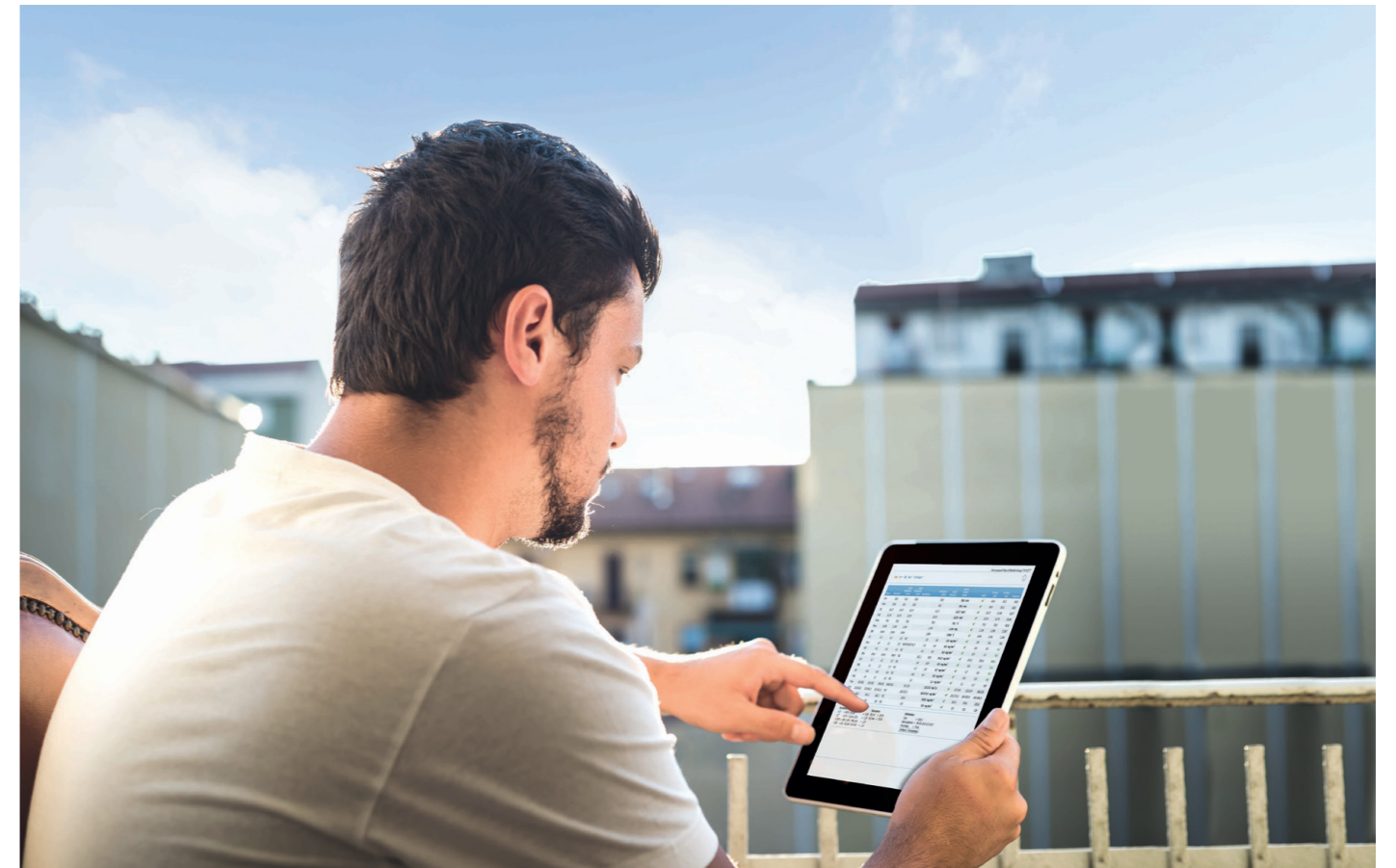
■
Monitor emissions
in real-time

■
Prevent
exceedances

■
Use anywhere
via en 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 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 – 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 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 three 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.

ReportLoq⁺ Cloud

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. Installed and commissioned by Olicem experts.

ReportLoq⁺

A robust emissions monitoring and reporting package which keeps you in compliance with EN 17255. Your data is stored locally in a stand-alone system, without cloud backups. Installed and commissioned by Olicem experts.

ReportLoq Soft

Reliable software for emissions monitoring and reporting which keeps you in compliance with EN 17255 and where you install and commission the system yourself.

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?

REPORTLOQ⁺ CLOUD

The ReportLoq⁺ Cloud-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 want Olicem's experts to install and commission the system?

REPORTLOQ⁺

The ReportLoq⁺ version gives you onsite data storage and the same basic reporting features of all ReportLoq versions.

- Would you like to install and commission ReportLoq yourself?

REPORTLOQ SOFT

The ReportLoq⁺ Soft-versionen gives you the same full, local functionality as the other versions, and it collects data using OPC UA.

Name	Raw value	QAL3 calibrated value	QAL2 calibrated value	Correction	Corrected value	Calibration interval	Quality assured value	valid	10 min. avg.	90 min. avg.	1 day avg.	set point
Kilo	1.0				1.0		1.0 min.	✓	8m 20s	8m 20s	19h 50m	
Filter	1.0				1.0		1.0 min.	✓	8m 20s	8m 20s	19h 50m	
O2	6.51	6.51	6.51	"K_H2O	8.03		8.03 Vol%	✓	8.16	8.16	7.74	
H2O	18.88	18.88	18.88		18.88		18.88 Vol%	✓	18.35	18.35	18.55	
Temp	165.3				165.3		165.3 °C	✓	166.0	166.0	171.6	
Press	970.2				970.2		970.2 kPa	✓	971.6	971.6	968.9	
ACC	1.101.0				1.101.0		1.101.0 °C	✓	1.073.7	1.073.7	1.173.1	
CO	3.2	3.2	5.8	"K_H2O"/"K_O2	5.3	5	0.3 mg/Nm ³	✓	0.0	0.0	2.4	
Dust DR100 (T)	0.0	0.0	0.0	"K_H2O"/"K_O2"/"K_PK.T	0.0	3	0.0 mg/Nm ³	✓	0.0	0.0	0.0	30.0
HCl	18.1	18.1	18.1	"K_H2O"/"K_O2	17.2	4	15.2 mg/Nm ³	✓	19.0	19.0	17.0	0.0
NOx	191.8	191.8	191.8	"K_H2O"/"K_O2	182.3	40	142.3 mg/Nm ³	✓	147.7	147.7	157.1	212.7
SO2	36.8	36.8	36.8	"K_H2O"/"K_O2	35.0	10	25.0 mg/Nm ³	✓	25.3	25.3	31.1	111.7
TOC	0.4	0.4	0.4	"K_H2O"/"K_O2	0.4	0	0.4 mg/Nm ³	✓	0.4	0.4	0.5	20.0
Hf	-0.3	-0.3	-0.3	"K_H2O"/"K_O2	-0.3	0	0.0 mg/Nm ³	✓	0.0	0.0	0.0	4.0
NH3	2.3	2.3	2.3	"K_H2O"/"K_O2	2.2	0	2.2 mg/Nm ³	✓	1.9	1.9	1.9	50.0
Flow	163.957.2	163.957.2	163.957.2	"/"K_H2O"/"K_O2"/"K_PK.T)	162.969.2		162.969.2 Nm ³ /h	✓	106.519.3	100.519.3	116.547.8	
CO2	11.9	11.9	11.9	"K_H2O"/"K_O2	14.7		14.7 Vol%	✓	14.4	14.4	14.5	
Energy production	43.7				43.7		43.7 MW	✓	43.4	43.4	48.1	
NO	124.0	124.0	124.0	"K_H2O"/"K_O2	117.8		117.8 mg/Nm ³	✓	121.6	121.6	133.9	
NO2	2.1	2.1	2.1	"K_H2O"/"K_O2	2.0		2.0 mg/Nm ³	✓	1.6	1.6	1.7	

Worry-free usage, updates and maintenance

Easy service and operation

Each new installation of ReportLoq comes standard with one-year of free updates, giving you access to new versions of the system – and providing you peace of mind and uninterrupted operations.

After the first year, we offer an annual service contract for the ReportLoq Soft- og ReportLoq+ versions of 10 percent of the license fee. At the ReportLoq+ Cloud level, the mandatory 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 ReportLoq+ Cloud 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

Ongoing monitoring helps you avoid exceedances

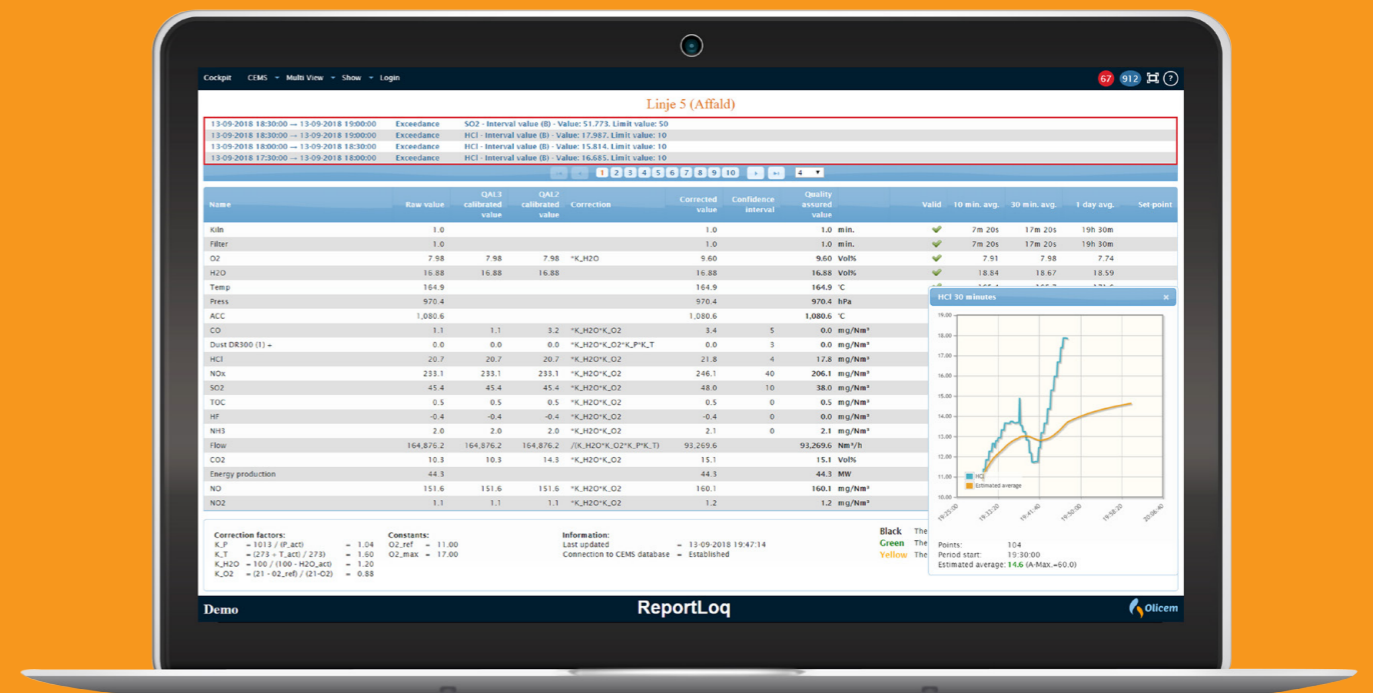
Real-time overview

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 ReportLoq⁺ Cloud version provides the highest level of security as data is stored remotely in the Olicem's 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
- 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 EN14181, IED, WID and LCPD

	REPORTLOG SOFT	REPORTLOG ⁺	REPORTLOG ⁺ CLOUD
PDF- and Excel reports	●	●	●
Trend functions	●	●	●
QAL	●	●	●
Data export to CSV	●	●	●
Historical alarms and exceedances	●	●	●
Support for mass emission reports (kg)	●	●	●
Cockpit with quick overview	●	●	●
Configurable dashboard	●	●	●
Combined overview over incineration lines	●	●	●
Recalculation module	●	●	●
Local server with data visualisation	●	●	●
Local backup	●	●	●
Validated and preventive calculations for CCR systems	●	●	●
Commissioning and installation by Olicem experts		●	●
Backup in Olicem's data centre			●
Data substitution			●
Online access			●
E- mail module			●

ReportLoq⁺ Pure Cloud - a profitable solution for smaller or unmanned plants

Emission reporting - inexpensive and efficient

Not all plants have operators employed to monitor calculations on local servers in order to avoid exceedances. We have tried to accommodate for this by offering a purely cloud-based version of ReportLoq. If your primary need is to report your emissions, and if you can do without realtime monitoring, ReportLoq⁺ Pure Cloud may be the ideal solution for you.

You gain manageable reports by online access so that you can access your data easily, wherever you are. And even though the system is commissioned by Olicem experts, and you get access to telephone support, we offer ReportLoq⁺ Pure Cloud at a very favorable price. If you need storage of raw data for a longer period of time, you can upgrade to a 5 year backup.

Standard characteristics and functionality of the ReportLoq⁺ Pure Cloud version

- Preventive calculations
- QAL module including QAL2 and QAL3
- Historical trends
- Historical alarms and exceedances
- Reporting according to the EN 17255
- 2 months' backup of raw data
- 5 years' backup of calculations
- Online access
- E-mail module

An MCERTS certified system is your guarantee for correct calculations

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.

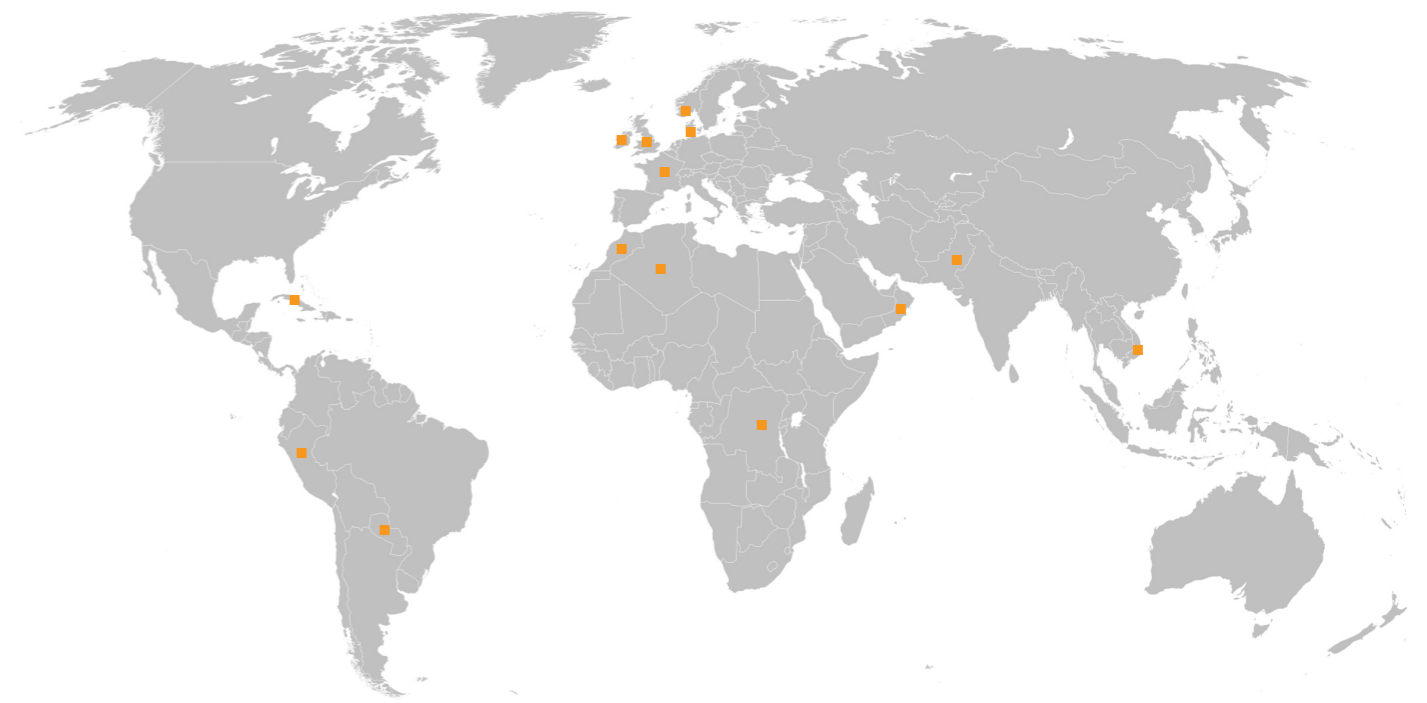
MCERTS as a quality stamp

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 and EN 17255.

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



References





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