

PRODUCT CONFORMITY CERTIFICATE

This is to certify that the

D-EMS 2020 Environmental and Process Data Management System

Manufactured by:

DURAG Data Systems GmbH

*Kollastraße 105
22453
Hamburg
Germany*

has been assessed by CSA Group
and for the conditions stated on this certificate complies with:

**MCERTS Quality and Performance Standards for
Environmental Data Management Software
Version 4, dated December 2017
In respect of:**

- Part A - Generic Software Quality
- Part B - Data Management General Aspects
- Part C1 - CEMS Data Management Applications - Generic Requirements
- Part C2 - CEMS Data Management Applications - EN14181 Requirements

Project No.: 80220239
Certificate No: CSA MC190349/01
Initial Certification: 05 April 2019
This Certificate issued: 15 January 2026
Renewal Date: 04 April 2029



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MCERTS is operated on behalf of the Environment Agency by

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Approved Site Application

Any potential user of the certified software should:

- 1) Ensure that it is suitable for the platform on which it will be installed (if necessary, in consultation with the software producer).
- 2) Ensure that the selection and operation of the software is appropriate to the application.
- 3) Ensure that any Durag D-EMS 2020 software which is not covered by a Durag support contract is running a version of Windows which has Microsoft security updates and meets the minimum requirements in the Durag issued operating manual.

For general guidance on monitoring techniques refer to the Environment Agency Monitoring Technical Guidance Notes available at www.mcerts.net

Basis of Certification

This certification is based on the following test report(s) and on CSA Group’s assessment and ongoing surveillance of the product and the manufacturing process:

- ‘DURAG D-EMS 2020 MCERTS Assessment Report’, Issue 4, dated 13 December 2018
- CSA Group ‘MCERTS TECHNICAL CHECK REPORT’, ref. 70200862, dated 29 Oct 2018
- CSA Group ‘MCERTS DAHS Recertification Report’, ref. R80220239 v1.0, dated 16 Oct 2025

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Product Certified

D-EMS 2020 Environmental and Process Data Management System V1.5 is composed of the major components identified in the table below.

Product	Function	Location	Properties
D-MS 500 KE	Raw Data Acquisition from analysers of different make and models, OPC, PLCs, Analog to Digital Convertors	Customer site: DURAG - Data Loggers	Fixed software, parametrised for each customer
D-MS 500 FC D-MS 500 FC/S D-MS 500 FC/SP	Raw Data Acquisition – in Fieldbus data logger(QAL1 certified). Same firmware as D-MS 500 KE data logger	Customer site: DURAG - Data Loggers	
DCM	Calculation and storage of the raw data	Customer Site Servers	
DXM	Storage of the raw data		
DSMT	Maintains the database		
DPM	Data Protocol Module – background report generation		
DBCK	System database backup		
DRM	Recalculation Module for GHG		
DMSG	Storage of alarms and messages		
HOST	Container for the Plug-Ins		
Plug-Ins	Visualisation of the data		

Software Modifications

In the event of a major release the developer shall provide brief supporting evidence to the Certification Body who will advise whether recertification is necessary.

Certified Performance

The application is able to perform the following tasks:

- Acquires and stores data from up to 1024 analogue / 2048 binary I/O's with a scan rate of 1s and integrates them according to legal requirements. (FLD, STA, LTA etc.)
- Evaluates and validates collected data for compliance in accordance with legal requirements and regulations
- Fully featured modern designed system with an intuitively and easy-to-use user interface for the presentation of current, prognostic and historic data as bar-graph, line-diagram or chart.
- Alarm and event system with comment, e-mail and sound functionality
- Automatic/ manual acquisition of QAL3 data to generate Shewhart, EWMA or CUSUM charts as specified in EN 14181.
- Reports are fully customizable to match legal requirements as well as customer permits and site requirements.
- Free customizable screens and reports acc. to customer request and requirements
- Automatic data transfer to any web server in the Internet/ Intranet for visualisation and provision of relevant data to any person in charge, authority or public.

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Description

The D-EMS 2020 is an Environmental and Process Data Management System which corresponds to today's legal requirements and is conceptually prepared for future guidelines. The system enables the collection, calculation, long-term storage and visualization of environmental data of most diverse areas.

The software components are MCERTS and EN15267 (QAL1) certified and fulfils the European Industrial Emissions Directive 2010/75/EU as well as the European Standard EN 14181, US EPA and other national requirements and is prepared to be ready for the upcoming EN 17255.

The complete system operates under Windows and is a multi-language user interface with over 20 available languages.

It is network compatible and has all features of a modern software product able to communicate.

A scalable and modular system for all sizes and types of industrial units / installations.

Evaluation, storage, visualization and reporting is performed on the server of the D-EMS 2020 System, additional software clients can be connected via the standard TCP/IP network of the customer.

All emission data is evaluated, standardized and integrated according to the applicable guidelines for emission monitoring and long-term stored.

General Notes

1. This certificate is based upon the equipment tested. The Manufacturer is responsible for ensuring that on-going production complies with the standard(s) and performance criteria defined in this certificate. The manufacturer is required to maintain an approved quality management system controlling the manufacture of the certified product. Both the product and the quality management system shall be subject to regular surveillance according to 'Regulations Applicable to the Holders of CSA Group Testing UK Ltd Certificates'.
2. The design of the product certified is defined in the CSA Group design schedule for certificate No. CSA MC190349.
3. If a certified product is found not to comply, CSA Group should be notified immediately at the address shown on this certificate.
4. The certification marks that can be applied to the product or used in publicity material are defined in 'Regulations Applicable to the Holders of CSA Group Testing UK Ltd Certificates'.
5. This document remains the property of CSA Group and shall be returned when requested by CSA Group.

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