PRODUCT CONFORMITY CERTIFICATE

This is to certify that the

D-EMS 2020 Environmental and Process Data Management System V1.1

Manufactured by:

DURAG DATA SYSTEMS GmbH

Kollaustraße 105
22453
Hamburg
Germany

has been assessed by Sira Certification Service
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.	:	70200862
Certificate No	:	Sira MC190349/00
Initial Certification	:	05 April 2019
This Certificate issued	:	05 April 2019
Renewal Date	:	04 April 2024

Holly Blincow
Environmental Project Engineer

MCERTS is operated on behalf of the Environment Agency by

Sira Certification Service

Unit 6, Hawarden Industrial Park
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sira CERTIFICATION

The MCERTS certificate consists of this document in its entirety.
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Certificate Contents

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

Basis of Certification

This certification is based on the following Test Report(s) and on Sira's assessment and ongoing surveillance of the product and the manufacturing process:

DURAG D-EMS 2020 MCERTS Assessment Report, Issue 4, dated 13th December 2018

Carried out under Sira project reference 70200862 and assessments reports referred to therein

Product Certified

D-EMS 2020 Environmental and Process Data Management System V1.1 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 from analysers of different make and models, OPC, PLCs, Analog to Digital Convertors	Customer site: DURAG - Data Loggers	
DXM	Storage of the raw data	Customer Site Servers	
DCM	Calculation and storage of the data		
HOST	Visualisation of the data		
MSG	Storage of alarms and messages		
DPM	Data Protocol Module – creates reports in the background		
DBK	System database backup		

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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 Sira Certificates'. The design of the product certified is defined in the Sira Design Schedule for certificate No. Sira MC190349/00

2. If certified product is found not to comply, Sira Certification Service should be notified immediately at the address shown on this certificate.

3. The Certification Marks that can be applied to the product or used in publicity material are defined in 'Regulations Applicable to the Holders of Sira Certificates'.

4. This document remains the property of Sira and shall be returned when requested by the company.

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