

# PRODUCT CONFORMITY CERTIFICATE

This is to certify that the

## ***WEX Data Acquisition and Handling Software***

Produced by:

### ***Iséo – Environnement SA***

Technopole Izarbel  
230 allée Théodore Monod  
64210 - Bidart – France

has been assessed by Sira Certification Service  
and for the conditions stated on this certificate complies with:

**MCERTS Performance Standards and Test Procedures for  
Environmental Data Management Software, Version 2, (September 2011)  
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. : 70013104  
Certificate No : Sira MC150271/00  
Initial Certification : 16 January 2015  
This Certificate issued: 16 January 2015  
Renewal Date: 15 January 2020

Emily Alexander BSc (Hons)  
Deputy Certification Manager

MCERTS is operated on behalf of the Environment Agency by

## **Sira Certification Service**

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*The MCERTS certificate consists of this document in its entirety.*

*For conditions of use, please consider all the information within.*

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**Registered Office: Rake Lane, Eccleston, Chester, UK CH4 9JN**

*To authenticate the validity of this certificate please visit [www.siracertification.com/mcerts](http://www.siracertification.com/mcerts)*

### 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:

Sira report ref: R70013104 v1.0 iséo - Environnement-SA WEX Acquisition and Handling Software MCERTS Assessment Report, dated 2<sup>nd</sup> December 2014

### Product Certified

Product	Version	Remarks
WEX Data Acquisition and Handling Software	6.3 onwards	Later minor changes to the certified version are permitted in accordance with the conditions of the standard.

The certified software includes the following modules and components:

Capability	Detail
SAM	Data acquisition from analysers, ADAM, Kermit, Modbus, OPC, PLCs
VAL	Data assessment/validation
ADVAL	Automatic Data Validation
RPT	Report and calculation engine: WID, LCPD, etc.
CMMS	Computerized Maintenance Management System
REG	Regulatory control
QAL2	AMS validation (AST, QAL2)
QAL3	Automatic calibration control of AMS
SPC	Statistical Process Control, Control charts CUSUM, EWMA, Shewhart, etc.
SPV	Supervision
RED	Redundancy management

### 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.

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## Certified Performance

The Wex application is able to perform the following tasks:

- Averages of 1, 5, 10, 15, 30 and 60 minutes periods, X hours, daily, monthly and yearly aggregations,
- Raw data correction to standard reference,
- Reporting capabilities for WID, LCPD, etc.,
- Customisable reports, programmable automatic outputs to various formats (HTML, PDF, etc.) and destinations (printer, mail, file sharing, etc.),
- QAL2 and automatic/manual QAL3 management including control charts and other SPC (statistical process control) techniques,
- Communication with PLCs (Programmable Logic Controllers) using Modbus, OPC, etc.,
- Regulatory control of emission limit values, unavailability, trends,
- Overview display with real-time trends, gauges, data grids, digital status indicators and alarms.

## Description

Wex collects and processes environmental data for display, management and reporting purposes and has been designed to meet the requirements of EN14181 and MCERTS certified Environmental Data Management Software requirements for Environmental and Continuous Emissions Monitoring reporting systems.

Wex has been developed from iséo/Environnement SA XR software. The XR software addresses the needs of Ambient Air Quality Monitoring Networks (AQMN). The main functions include monitoring network configuration (sites and devices), technical management (data acquisition, calibration check, validation, etc.) and data processing (data display and reporting).

## 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 MC150271/00
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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