With more than 25 years of experience, iseo has extensive know-how in Environmental Data Management. We propose comprehensive turnkey solutions adjustable to any plant size and managing various data sources: emission, imission, meteorological, water and process.

Certification number: MC 150271/00

Features:

<table>
<thead>
<tr>
<th>Features</th>
<th>Number of workstations</th>
<th>Number of parameters generated</th>
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</thead>
<tbody>
<tr>
<td>Operating systems</td>
<td>Windows</td>
<td>Unlimited under license</td>
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<td>Input and output types</td>
<td>Serial, analog, logical and relays</td>
<td></td>
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<tr>
<td>Communications</td>
<td>Modbus, TCP/IP, OPC, ...</td>
<td>WEX-COMMS</td>
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<tr>
<td>Architecture</td>
<td>Multi users and multi workstations</td>
<td>WEX-GAL3</td>
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Compliance with:
- EN 14181 (QAL2, QAL3)
- IED 2010/75/UE
- Certified MCERTs n° MC 150271/00

WEX™ system is a DAHS dedicated to Industrial Emission Monitoring (CEMS) based on more than 25 years experience. Thanks to this expertise, the powerful multi-users WEX™ system is compatible with the main measuring instruments available on the market and is in full compliance with international and national standards. The WEX™ system is made to be highly reliable and to sustain your activity in the same way.

WEX™ system includes the following main features:
- Acquisition from all devices with all types of parameters
- Remote Configuration and Control of measuring devices (data acquisition systems, analyzers, communication systems)
- On-line information for the relevant authorities
- Support to the relevant authorities
- On-line control charts (QAL3 / Daily check calibration)

Supported by one of the largest sales and service organisations worldwide, WEX™ is continually evolving around customer requirements, in order to guarantee the continuity in your compliance to regulations.
Data acquisition:
• Data acquisition from all analyzers and other devices via digital or analog channels
• Calculations (scaling, adjustment, linearization, standardization); aggregation of the resulting data on various time periods to calculate means
• DCS connection (Modbus, OPC)
• Data storage (raw, adjusted, aggregated) in software database

Supervision:
• System status display
• Multi-window representation (slideshow)
• Data display: raw, means, trends, graphs...
• Supervision of virtual devices, monitoring and driving of redundant analyzers
• Analyzers takeover locally or remotely: real-time graphic follow-up, interactive set-up, calibration and automatic results monitoring, remote testing of interfaces...

Report management:
• Automatic output of compliant reports with local authorities requirements
• Data export in various file formats: Excel, XML, HTML, PDF, CSV...

Regulatory controls:
• Real-time monitoring of parameters, overruns and means
• Detection of ELVs overruns and devices unavailabilities
• Recording of overruns duration and transmission of alerts and early-warnings to supervision

Data validation:
• Tables and/or charts data display
• Several validation levels with respective rights and markers
• Traceability (data validation, invalidation, adjustment)
• Quality codes for the data (maintenance, calibration, drift, alerts, defaults...)

Quality assurance:
• Audit of the compliance of every CEM installation with the EN 14181 requirements
• Management of the calibration function in conformity with EN 14181 standard
• Application of calibration function on dry data, wet data: input of the ax²+bx+c function of each measurement channel
• Online parameters modification and successive history settings back-up
• Automatic marking of data out of their validity domain (overrun periods)
• Reports generation, automatically and manually

Data control and quality assurance – Optional:
• Automatic QAL3 calibration, compliant with EN 14181 standard
• Automatic analysis and results checking
• Three different control cards available simultaneously and automatically for each analyzer: CUSUM (NFX06-031-4), EWMA (NFX06-031-3) and Shewart (ISO 8258)
• Charts display to track calibration verification and data history
• Storage in database of every information, data, messages for reports editing
• Assignment of a quality code for raw and average data (e.g. maintenance, calibration, drift, alert, failures...)

Maintenance planning and management – Optional:
• Schedule and track of maintenance tasks
• Automatic generation of working orders and storage of vital information for plant operating

Backup system
• Automatic backup management of the WEX system on a separate computer
• In case of failure on the main system, the WEX system automatically switches to the backup system and provides exactly the same possibilities for acquisition and processing with no loss of data