

ZEUS 6

Online Monitoring Platform

New
Zeus 6



Monitoring your Microcom stations has never been more user-friendly and intuitive.

ZEUS, our cutting-edge platform, combines ease of use with the latest web technologies to deliver an attractive and secure interface. Best of all, Microcom offers ZEUS to its customers at no additional cost.

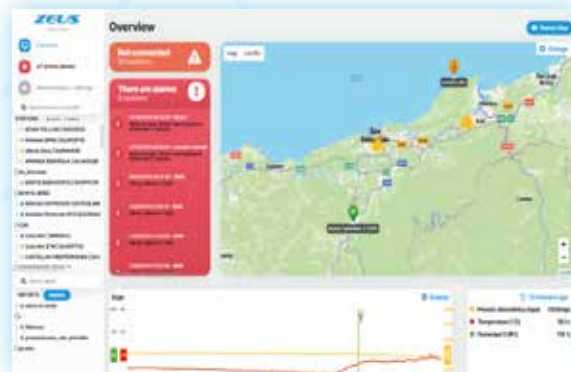
All you need is a simple web browser to access the service and start managing your facilities from anywhere in the world. And when you're on the go, the ZEUSmobile app, available for iOS and Android, provides optimized access for phones and tablets. It also delivers alarms directly to your device via PUSH technology, making SMS notifications a thing of the past.

But ZEUS is more than just a visualization tool; it also allows you to reconfigure remote stations without having to be on-site, send commands, and manage users and stations. Integration with other platforms is seamless, thanks to support for common standards like OPC UA and API REST.

The latest version, Zeus 6, features a completely redesigned user interface that offers a modern, functional, and intuitive navigation experience. New functionalities for alarm management, report generation, and interface customization further enhance the platform's productivity.

Main Screen. The essential information at a glance.

- Map with geolocated stations, status information, and summary of the last transmitted data.
- Summary of active alarms divided into operational and system alarms.
- Direct access to graphs and latest values of featured stations.



Historical Visualization. Clear and customizable.

- Group data from different channels of one or several stations in a single view to instantly compare facility performance.
- Zoom function to adjust the framing and amplitude of graphs.
- Customization of ranges, colors, and thresholds.
- Export to Excel, CSV, and PNG image.

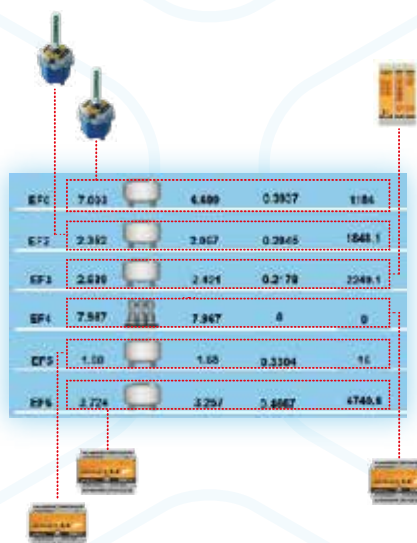
Interactive Animated Synoptics

Design a personalized synoptic in minutes with the free **Zeus Synoptic Builder** software and control your installation remotely.

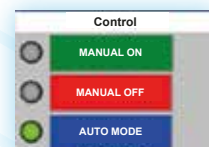
Comprehensive library of images and animated symbols, current value indicators, and graphic bars.



Integration of data from different stations into a single synoptic.



Control buttons for changing operating modes.



Configuration buttons.

Accumulated Values		Total
Input (m3)	579199.963	SET
Output 1 (m3)	2711.03	SET
Output 2 (m3)	13303.11	SET
Output 3 (m3)	337739.844	SET
Output 4 (m3)	393261.438	SET

Programmable relays: schedule activation times and dates for pumpings and solenoid valves.



Setpoint change buttons.

Alarms Setpoint	
2	Change low level
1.5	Change high level
1.0	Change high level
15	Change high level
12	Change high level

Synoptic Builder



Alarm Manager. Receipt, acknowledgment, closure, insertion of comments, forwarding.

- Log of all generated alarms and the ability to acknowledge, close, and insert comments.
- Integrated search tools by date range and keywords.
- Automatic forwarding of alarms via email and *SMS messages.
- Export data in PDF, xlsx, and CSV.

*service subject to the contracting of an SMS gateway.

Alarms acknowledge
and closing

Alarm date	Status	Group	Alarm	Date registered	Registered by	Closed date	Closed by	Comments
24/11/2019 14:00:00	MAJOR LEVEL DETECTION		Test alarm, Test alarm + 0.00 (degC)					
24/11/2019 14:00:00	MAJOR LEVEL DETECTION		Test alarm, Test alarm + 0.00 (degC)					
24/11/2019 14:00:00	MAJOR LEVEL DETECTION		Test alarm, Test alarm + 0.00 (degC)					
24/11/2019 14:00:00	MAJOR LEVEL DETECTION		Test alarm, Test alarm + 0.00 (degC)					
24/11/2019 14:00:00	MAJOR LEVEL DETECTION		Test alarm, Test alarm + 0.00 (degC)					
24/11/2019 14:00:00	MAJOR LEVEL DETECTION		Test alarm, Test alarm + 0.00 (degC)					
24/11/2019 14:00:00	MAJOR LEVEL DETECTION		Test alarm, Test alarm + 0.00 (degC)					
24/11/2019 14:00:00	MAJOR LEVEL DETECTION		Test alarm, Test alarm + 0.00 (degC)					

Search by date

Search by keywords

Add and edit comments

Alarms export



Mobile apps. All the power of Zeus in your pocket.

- Alerts and alarms via PUSH notification.
- All the power of the web version.
- Optimized display for mobile devices.
- Direct loading of the car route to the stations in navigation applications (Google Maps or similar).
- Available for iOS and Android.

Automated reports. Receive the daily, weekly and monthly report by email.

- Wide range of calculations available, maximum, minimum, average, time out of range, number of activations, etc.
- High customization.
- Support for PDF and CSV formats.
- Automatic sending by email.

Station	Date	Time	Value	Status
STATION 1	2019-11-24	14:00:00	20.00	OK
STATION 2	2019-11-24	14:00:00	20.00	OK
STATION 3	2019-11-24	14:00:00	20.00	OK
STATION 4	2019-11-24	14:00:00	20.00	OK
STATION 5	2019-11-24	14:00:00	20.00	OK

Station	Date	Time	Bytes sent	Bytes received	Status
STATION 1	2019-11-24	14:00:00	1000	1000	OK
STATION 2	2019-11-24	14:00:00	1000	1000	OK
STATION 3	2019-11-24	14:00:00	1000	1000	OK
STATION 4	2019-11-24	14:00:00	1000	1000	OK
STATION 5	2019-11-24	14:00:00	1000	1000	OK

Connection Log Statistics

Understand the breakdown of internet data traffic used by each station and calculate monthly totals:

- Number of historical data transmitted.
- Number of alarms transmitted.
- Bytes sent and received.
- Estimate of billed byte amounts.
- Download in xlsx, CSV, and PDF formats.



Seamless Security

- Secure communications via HTTPS/SSL.
- AES password encryption.
- Regular security audits according to OWASP Testing Guide version 4, NIST SP800-115, and OSSTMM version 3.

Two Viewing Options: Light and Dark

Enhance visualization outdoors and indoors on devices



Theme
Light



Theme
Dark



Configuration, Firmware Update, and Command Sending

ZEUS web is not just for viewing; remotely, it also allows you to:

- Reconfigure stations.
- Update firmware.
- Send commands.



New configuration



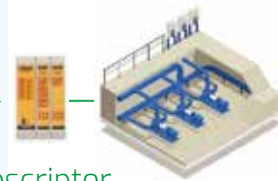
HERMES
LC2+

Communication Between Stations via Mobile Networks

The ZEUS server integrates a PUSH messaging service with a publisher/subscriber pattern. In practice, it is used for data exchange between stations registered on ZEUS via mobile networks (GPRS, 3G, 4G, NB-IOT, etc.). A typical application example is the automation of the startup of a pumping station depending on the level of the reservoir it needs to supply.

Level

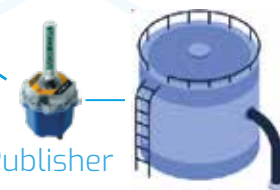
Subscriber



Pump
station

Level

Publisher



Water
tank

ZEUS

Integration into Third-party Systems and Platforms

Integration with other platforms is guaranteed through the most common standards currently available, such as OPC UA and API REST.

ZeusAPI

OPC UA

