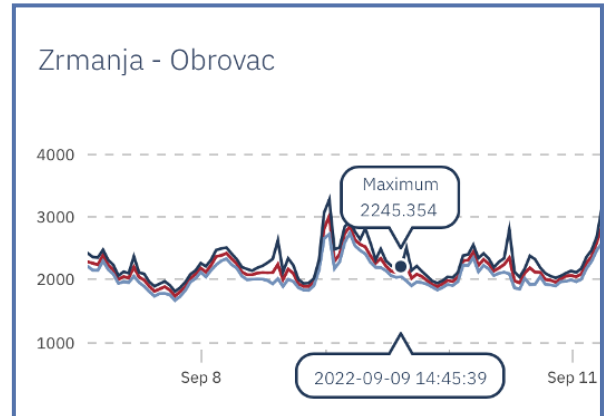


Hydroview

SOFTWARE FOR HYDROMET DATA ACQUISITION, DATA ANALYSIS, AND MONITORING SITE MANAGEMENT

Highlights

- Intuitive modern user interface
- Data acquisition from variety of sensors and dataloggers
- Remote configuration and firmware updates for monitoring equipment
- Powerful and extensible analytics
- Multiple data export methods
- Customizable and extensible



Product Description

The Geolux Hydroview is a software designed for the management of remote monitoring sites and data analysis. Hydroview uses an intuitive, modern user interface that is compatible both with large desktop monitor displays and small mobile phone displays.

The Geolux Hydroview is designed from the ground up to quickly integrate various hydrometeorological equipment: dataloggers, sensors, and instruments. A strong emphasis is placed on two-way data exchange. Namely, measured data is transferred from the monitoring site to the central server. Also, instrumental operating parameters can be reconfigured remotely from Hydroview, and if the on-site equipment permits, firmware updates can be pushed to the equipment from Hydroview as well.

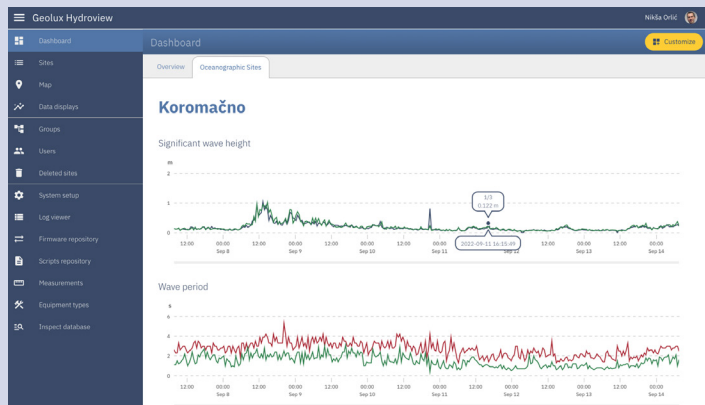
Hydroview has an advanced data visualization engine. It can display gauges with the latest readings, graphs with historical readings can show aggregated data such as daily maximums, and knows how to show wind rose diagrams, pictures from on-site cameras, and radar echo

curves. The displays and dashboards are fully customizable, and it is even possible to create public data displays that can show selected data to public users without requiring them to log in to the Hydroview system.

A built-in scripting engine allows quick and easy setup of automatic data validators, filters, and data transformations. Data transformations are functions that calculate an indirect measurement based on one or more direct physical measurements. For example, flow discharge can be calculated based on the water level and surface velocity measurements.

Enhanced security, user permissions, and group hierarchy allow system administrators to differentiate between different user roles across multiple groups accurately. In addition, setting up two-factor authentication for users is possible. Internally, Hydroview uses a distributed database, meaning multiple instances of synchronized Hydroview servers can be deployed globally, which speeds up data access for the users and adds robustness to the data storage.

Data Display

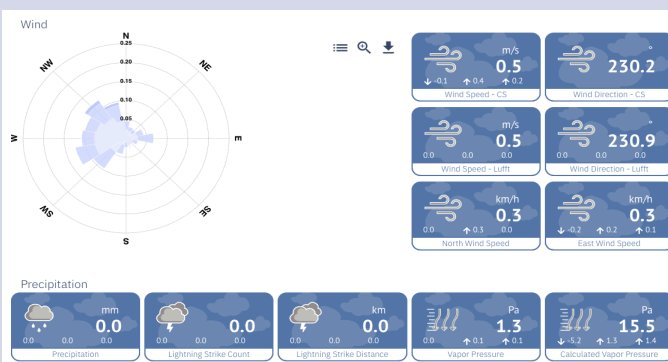


Equipment Management

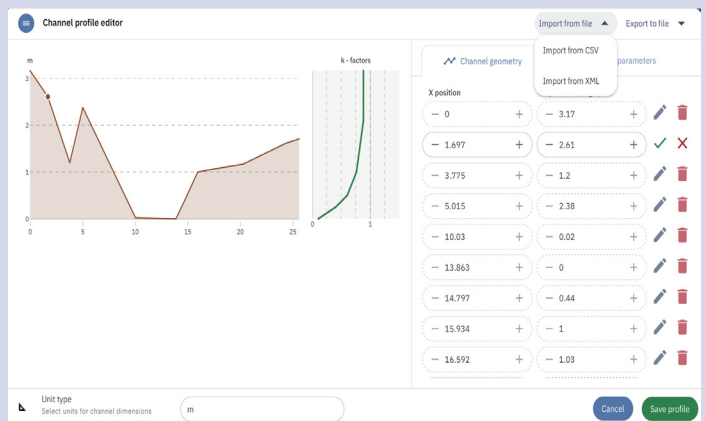
Active sensors				
Description	Model	Category	Port	Bus ID
ClimatE50 Meteorological Instrument	Campbell Scientific ClimatE50	Meteorology	501-12	1
Luft W5500	Luft W5500	Meteorology	RS-485 Modbus - 2	1

Calculated measurements	
Description	
Vapor pressure (Campbell)	

Customizable Dashboards



Calculating Indirect Measurements



Easy Status Lookup

Full name	Group	Description	Scan interval	Last report	Health
Kopački rit 5	NATURAVITA		15	2022-09-14 07:31:19	██████████
Kopački rit 3	NATURAVITA		15	2022-09-14 07:31:18	██████████
Kopački rit 4	NATURAVITA		15	2022-09-14 07:31:16	██████████
Kopački rit 1	NATURAVITA		15	2022-09-14 07:31:06	██████████
Kopački rit 2	NATURAVITA		15	2022-09-14 07:31:02	██████████

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