



Data Management

Data Portal

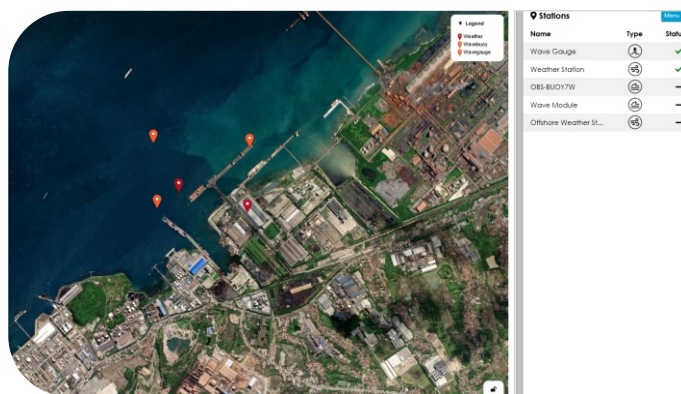
WHERE FIELD MEETS OFFICE

Effective environmental monitoring relies on more than just collecting data. It's about managing, analyzing, and acting on that data in real-time. That's where the **Obscape Data Portal** comes in. Designed as an essential tool for connecting the office with your field equipment, the portal empowers you to seamlessly integrate data visualization, device management, and operational insights into your workflow.

The portal includes robust tools for data analysis and management, such as data downloads, flagging invalid data points, comparing measurements across stations, and viewing historical statistics. Automated PDF data reports can be delivered directly to your inbox, ensuring effortless access to the latest information. The **Obscape Data Portal** offers tools to monitor the status of your devices, send automated email alerts, track GPS-enabled devices, and record field operations.

While the **Obscape Data Portal** is designed as your ultimate data management solution, we recognize the need to integrate real-time observations into your own systems. To facilitate this, the portal offers two methods of data forwarding:

- 1) API (Application Programming Interface): Delivers data in the widely-supported JSON format.
- 2) HTTP Posting Service: Sends data to a user-defined URL.



KEY FEATURES

- 01 Data Access:** Seamlessly access your real-time data through the secure data portal
- 02 White Labeling:** Upload your company logo and color scheme to the data portal to align with your brand identity.
- 03 Report Generation:** Effortlessly generate or automate reports on your data
- 04 Data Forwarding:** If the data portal doesn't meet your data management needs, simply forward the data to your own site via an easy-to-use API
- 05 Maintenance Log:** Record all device maintenance in the data portal for long-term tracking

OBSCAPE DATA PORTAL TECHNICAL SPECIFICATIONS

ACCESS	
URL	http://www.obscape.com/portal
ACCOUNT CREATION	Upon invitation by Obscape or a registered colleague
ACCOUNT TYPES	Active users (Can make modifications), passive users (Can only view and download data)
BROWSERS SUPPORTED	Any
DIAGNOSTIC PARAMETERS	Battery voltage, internal temperature, atmospheric pressure and signal strength
OPERATIONAL ALERTS	
DELIVERY MODE	Email - List of recipients is user-controlled
OFFLINE ALERTS	Alert issued if no real-time data have been received from your device over a period of 24 hours
BATTERY ALERTS	Alert issued if the battery level of your device becomes critically low
GPS ALERTS	Alert issued if GPS-tracked device leaves the GPS fence (User-defined radius)
THRESHOLD ALERTS	Alert issued if a real-time observed quantity exceeds a user-defined threshold (e.g. if the measured wave height exceeds 2.0 metres)
SATCOM ALERTS	Alert issued if satellite line rental is about to expire for your device(s)
DATA FORWARDING	
SUPPORTED MODES	RESTful API and HTTP posting
API URL	https://www.obscape.com/portal/api/v3/api
API RESPONSE FORMAT	JavaScript Object Notation (JSON)
API SECURITY	User-specific access key (Generation of a new key is user-controlled)
HTTP POSTING	Observation data are HTTP-posted to a user-defined URL. Failed posts are queued and resent at a later time
CUSTOM REFERENCE	Specify your own custom reference ID for each measurement station for compliance with your internal data management
WHITE LABELLING	
LOGO	Upload your logo in JPG or PNG format
COLOUR SCHEME	Specify your colour for buttons, highlighting etc.
APPLICATION	Custom styling appears on the Obscape Data Portal and in PDF reports



SEAMLESS DATA & DEVICE MANAGEMENT

- 01 Device Control:** Activate, manage, & configure Stations
- 02 Data Viewing:** Real-time interactive graphs, cross-station data comparison
- 03 Data Downloads:** Device-specific reports & files – graphs (PDF, PNG), ASCII data (CSV), snapshots, image bursts, and time-lapse videos (for compatible cameras)
- 04 Real-Time Tracking:** Live monitoring of GPS-enabled devices & user locations
- 05 Maintenance Log:** Create and view log entries with Attachments (supports all common file formats, including images)
- 06 SatCom Management:** Extend line rental, view current and past usage
- 07 Support:** FAQ, manuals, post-processing scripts, instruction videos and more

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