



# Systems 2025

Dealer Meeting

10/6/2025



# HydroRIG

Update





# HydroRIG – Remote Intelligent Gateway

## Key features

### Reliable data

- Multi-sensor connectivity
  - Digital, Analog, RS-232, RS-485, and SDI-12
- Internal Temp/Barometer
- Detailed status LED matrix
- Internal GPS (Coming soon)
- Camera connectivity (Coming soon)

### Quick-deploy

- One-button connectivity to **HydroSphere**
- Pre-configured data transfer
- Automatic sensor config
- Native communication with EXO Sondes

### Fits any site

- LTE CAT-1 or LP-WAN CAT-M1 worldwide cellular modems
- Easy-access SIM card
- External modem support – Satellite
- Compact with integrated mounting brackets

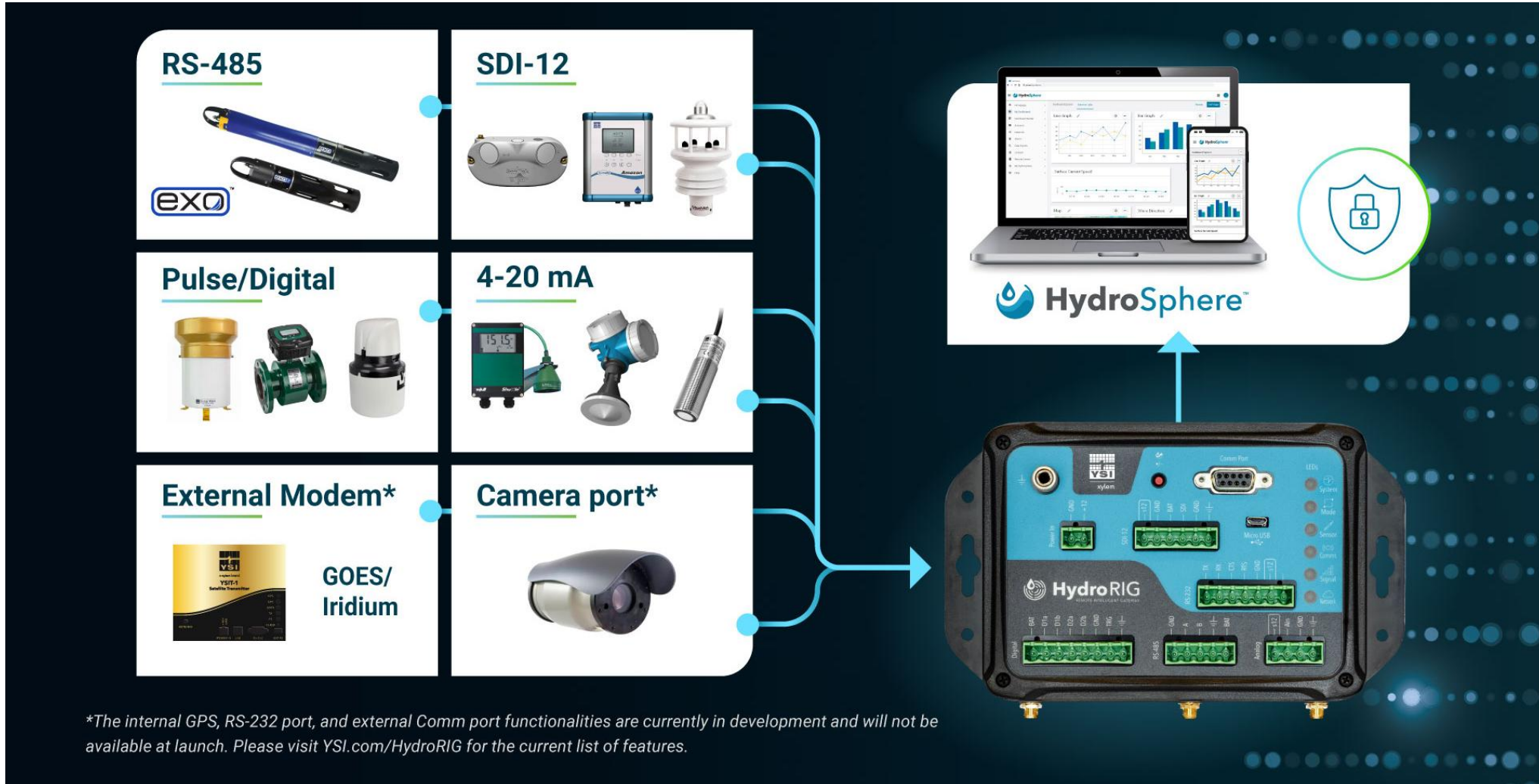
### Secure and rugged

- IP50-rated enclosure
- State-of-the-art Amazon AWS data security
- Data transfer via API, SFTP, or email



# HydroRIG

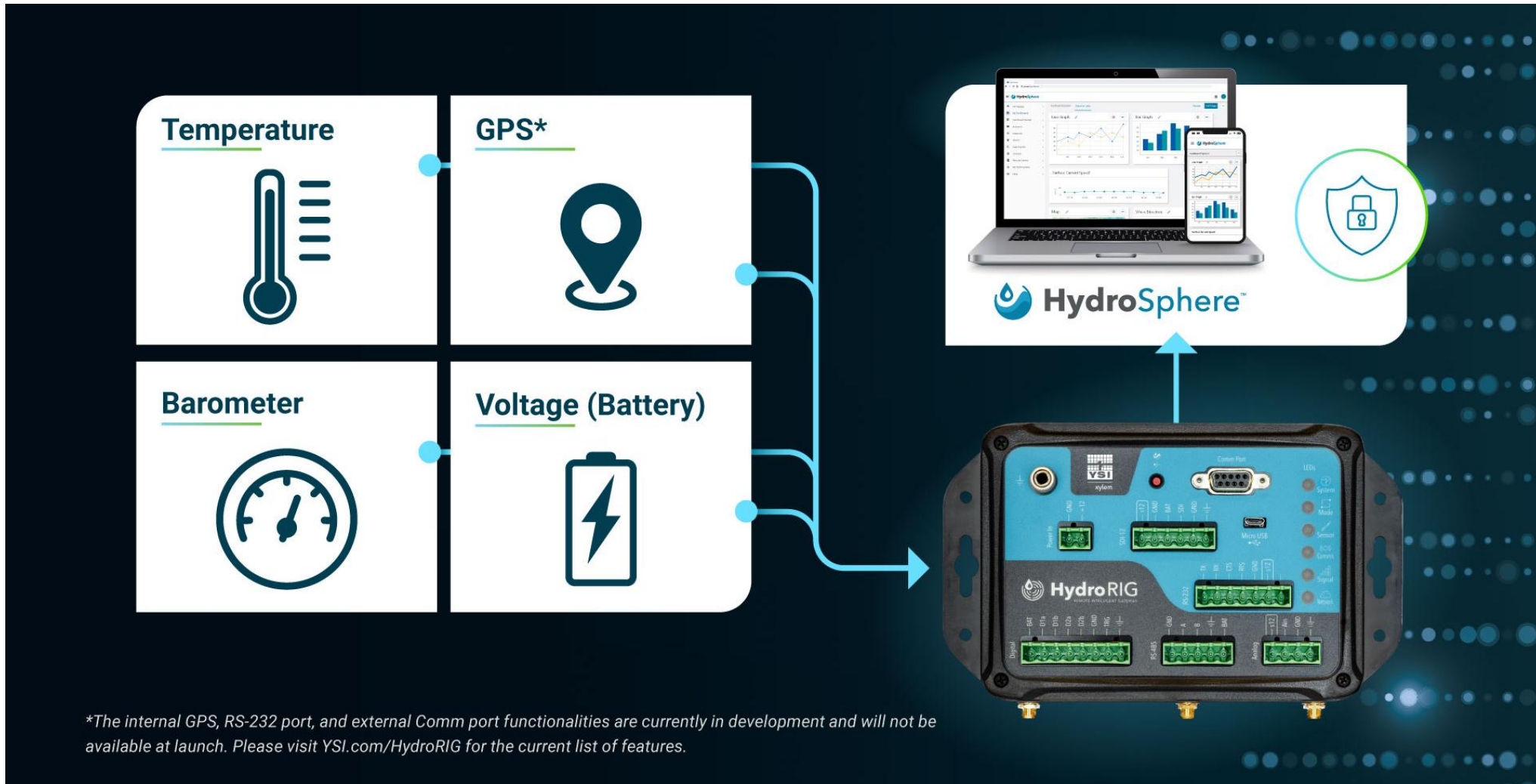
Features available at release: External Sensors





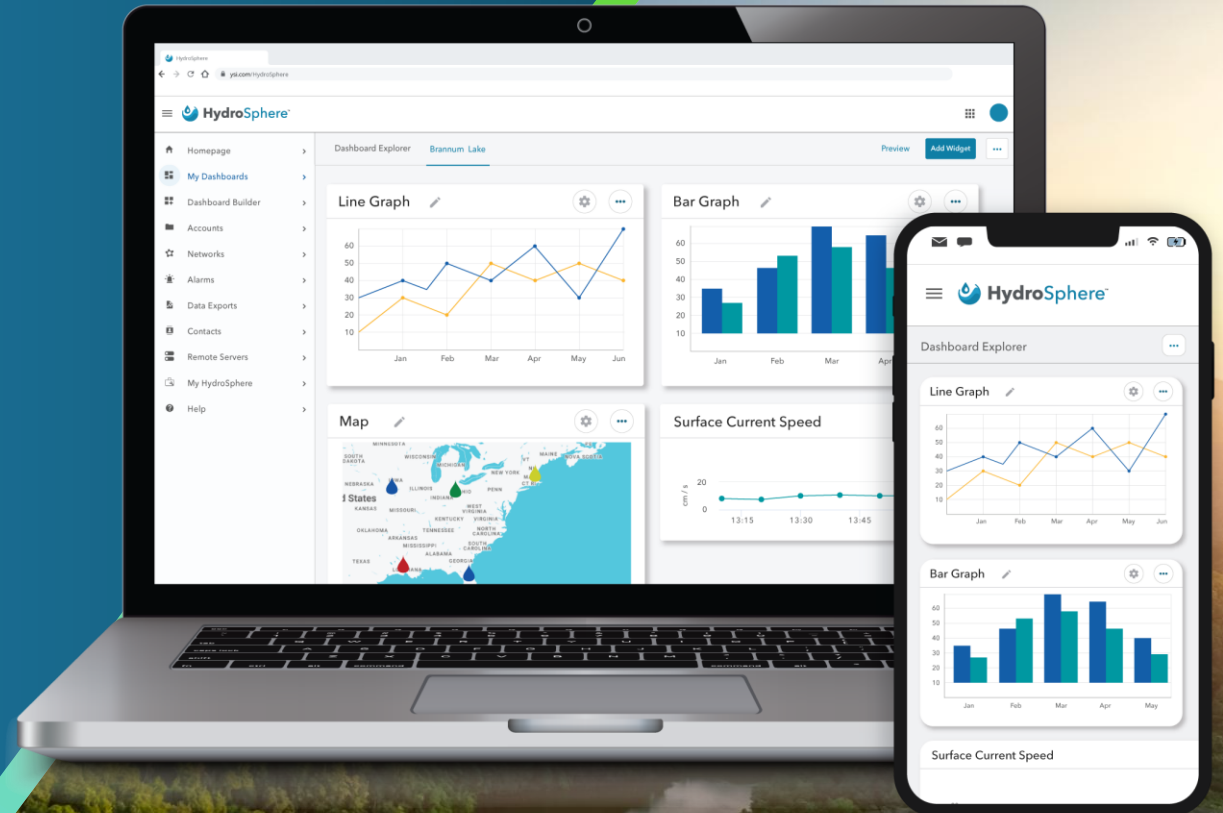
# HydroRIG

Features available at release: Internal Sensors



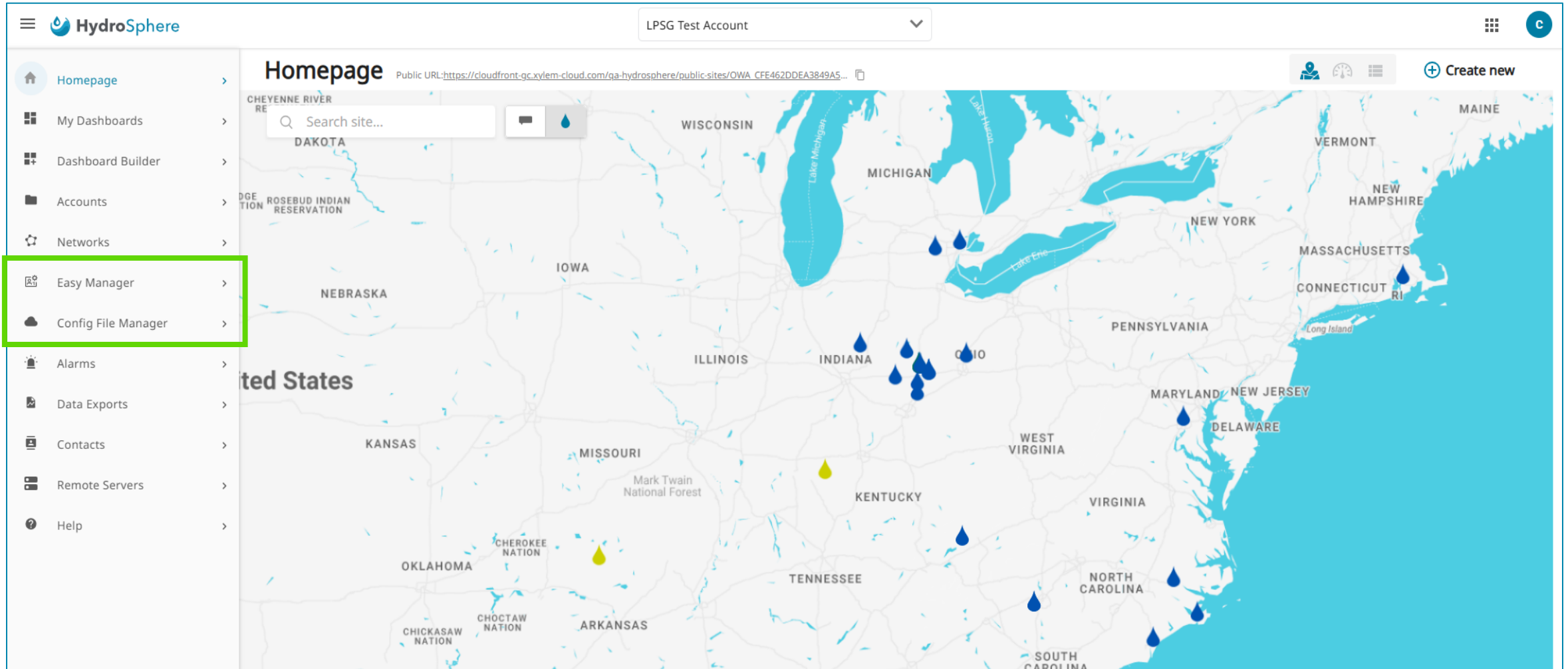
# HydroSphere

## Update




# Data anywhere with HydroSphere

New features: Easy Manager and Config File Manager for simple connection and site management
















# Instrument Library

Choose from a list of pre-configured instruments or create a custom configuration

HydroSphere

YSI Marketing Team





[< Back](#)

## Instrument Library

**Filters**[Clear all](#)

**Manufacturer**[View More](#)

☐ Aanderaa/AADI

☐ Campbell Scientific

☐ Druck

☐ GEM

☐ Gill Instrument

**Connection**

☒ SDI-12

☐ 4-20 mA

☐ Digital Input

☐ RS-485


**Instrument Category**

☐ Geotechnical

☐ Hydrology

☐ Meteorology

**Select an Instrument**




**Amazon Bubbler series**[Configure](#)

Category: Hydrology

Manufacturer: YSI

Interface: SDI-12

Description: Amazon Bubbl...




**Generic SDI-12 Instrument**[Configure](#)

Category: Other

Manufacturer: Other

Interface: SDI-12

Description: Generic SDI-1...



**GMX600 with GPS**[Configure](#)

Category: Meteorology


Manufacturer: Gill Instrument

Interface: SDI-12

Description: MaxiMet600 w...

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# Data Exports and Import: HydroLINK API

Share data externally with automatic data exports to CSV or remote server connection (SFTP, API)

The screenshot shows the HydroSphere web interface. The top navigation bar includes the HydroSphere logo, a user dropdown menu for 'YSI Marketing Team', and a user profile icon. The left sidebar contains navigation icons for home, data exports, data import, data history, and settings. The main content area is titled 'Data Exports' and has two tabs: 'Data Export Templates' (active) and 'Data Export History'. A search bar is located below the tabs. A table lists data export templates with columns: Name, Status, Scheduled time, and Last triggered time. One template, 'Regular Weekly Export', is listed with a status of 'Inactive' and a scheduled time of 'Weekly, Friday, 12:00'. A modal window titled 'Add new remote server' is open in the foreground. It contains the following fields and options:

- Remote server name \*
- Choose protocol \*: ☐ SCP ☒ SFTP
- Server address \* and Port number \*
- Server path \*
- Username \*
- Authentication method \*: ☐ Password ☐ Certificate
- Buttons: Cancel and Save

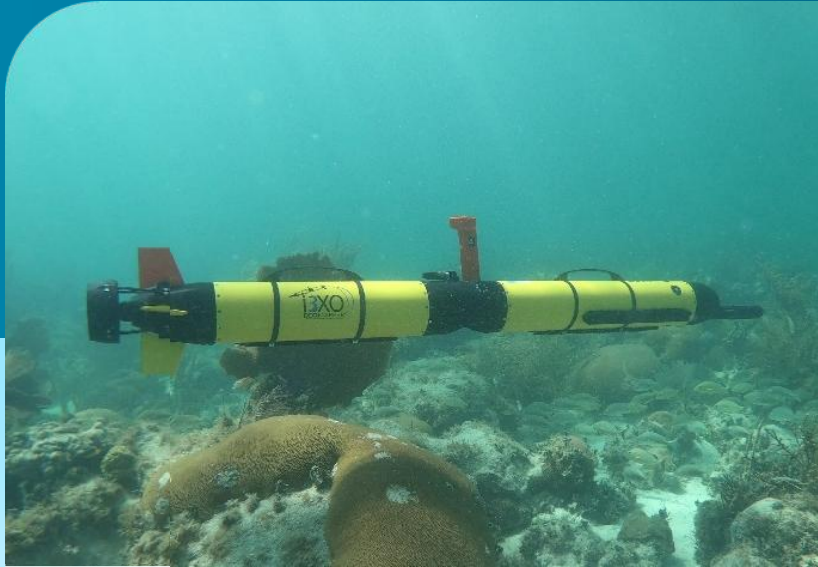
# Vehicles

Update



# Discontinuations

## Vehicle updates



### i3XO EcoMapper

- Discontinued in January 2025
- Due to production and support issues with partner



### HYCAT

- Discontinued in June 2025
- Support issues with partner & post sales support



# Surfbee

Unmanned surface vehicle (USV)



# Surfbee

Unmanned surface vehicle (USV)



## Flow Seeker

### Specifications:

- Dimensions: 1.65m x 0.75m x 0.1m
- \*Weight: 13.5kg (30lbs)
- Max speed: 4m/s (3m/s cruise)
- Minimum Depth: 0.25m

### Payload options:

- Custom Payload
- EXO (EXO Whale)
- SonTek RS5
- SonTek M9



## Flow Scout

### Specifications:

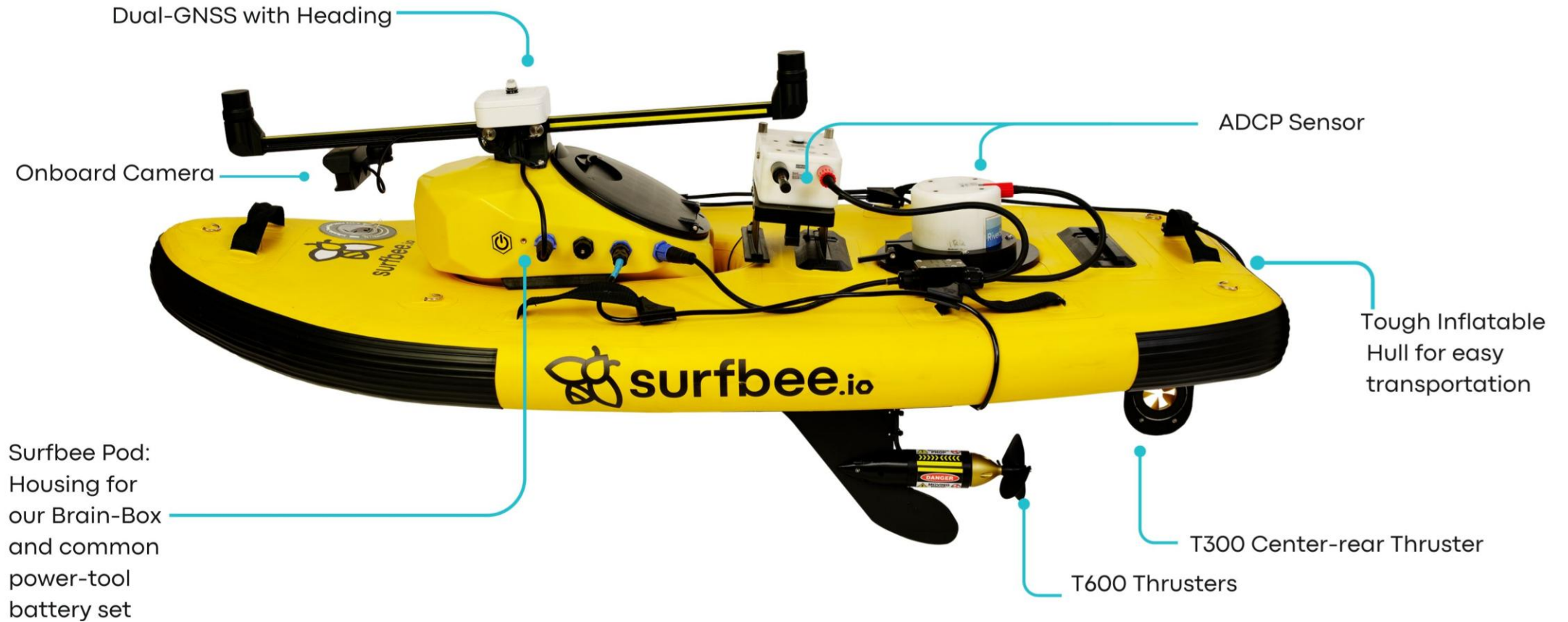
- Dimensions: 1.35m x 0.7m x 0.1m
- \*Weight: 11kg (24lbs)
- Max speed: 2 m/s
- Minimum depth: 0.14m
- Lateral movement

### Payload options:

- Custom Payload
- EXO (EXO Whale)
- SonTek RS5
- SonTek M9

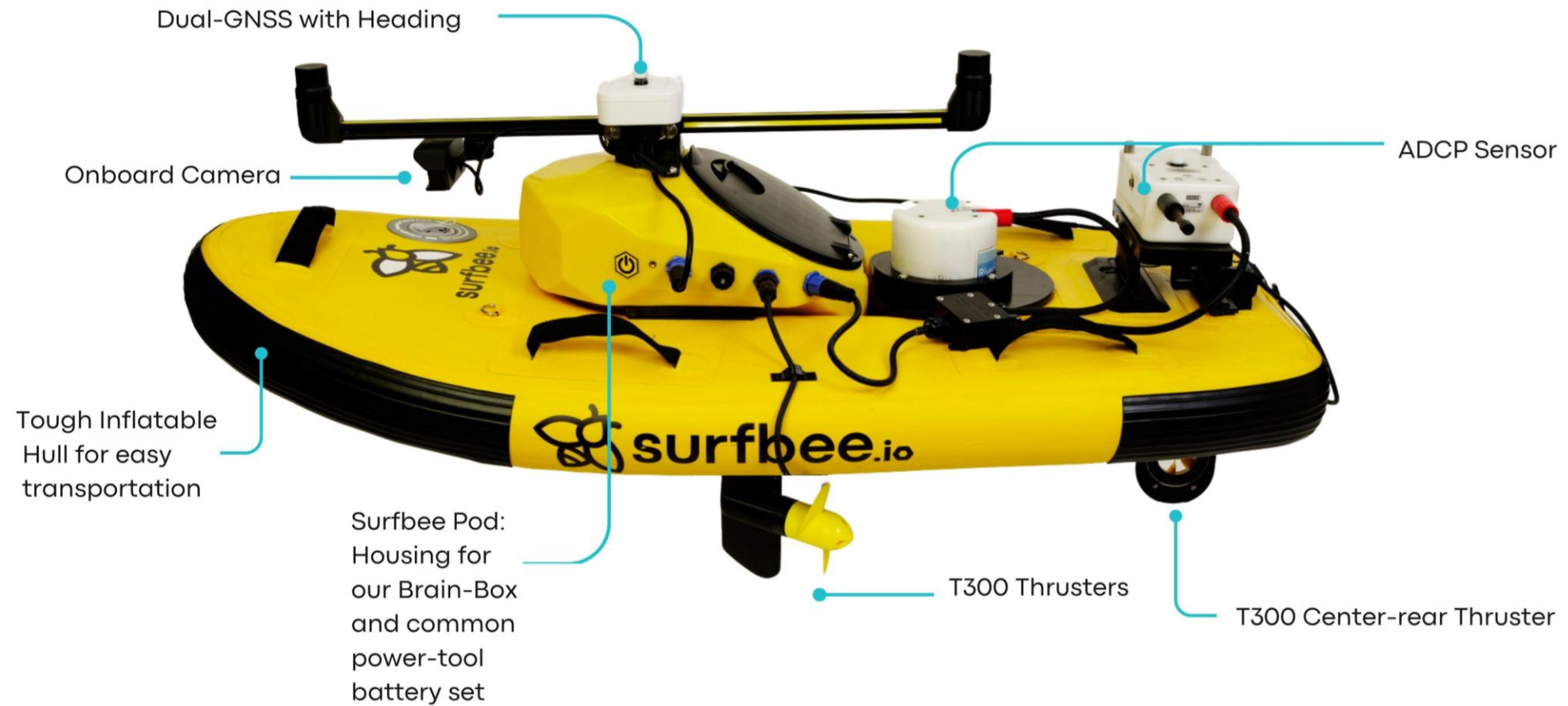
\* (without batteries)

# Vessel Overview – Flow Seeker





# Vessel Overview – Flow Scout



# EcoMapper Nano

Autonomous underwater vehicle (AUV)





# EcoMapper Nano

Autonomous underwater vehicle (AUV)

## Specifications:

- Length: 123 cm (48")
- Diameter: 12 cm (4.7")
- Weight: 9.5 kg (21lbs)
- Speed: 3 – 6 knots
- Depth rating: 0 to 250 m
- Software: SEAPLAN by SEABER
- Navigational accuracy:  $\pm 2\%$  of distance traveled
- Battery duration: 10 hours at 3 knots  
6 hours at 4 knots

## Payload options:

- EXO-S Sondes (1, 2 or 3)





# EcoMapper Nano AUV





# Thank You

