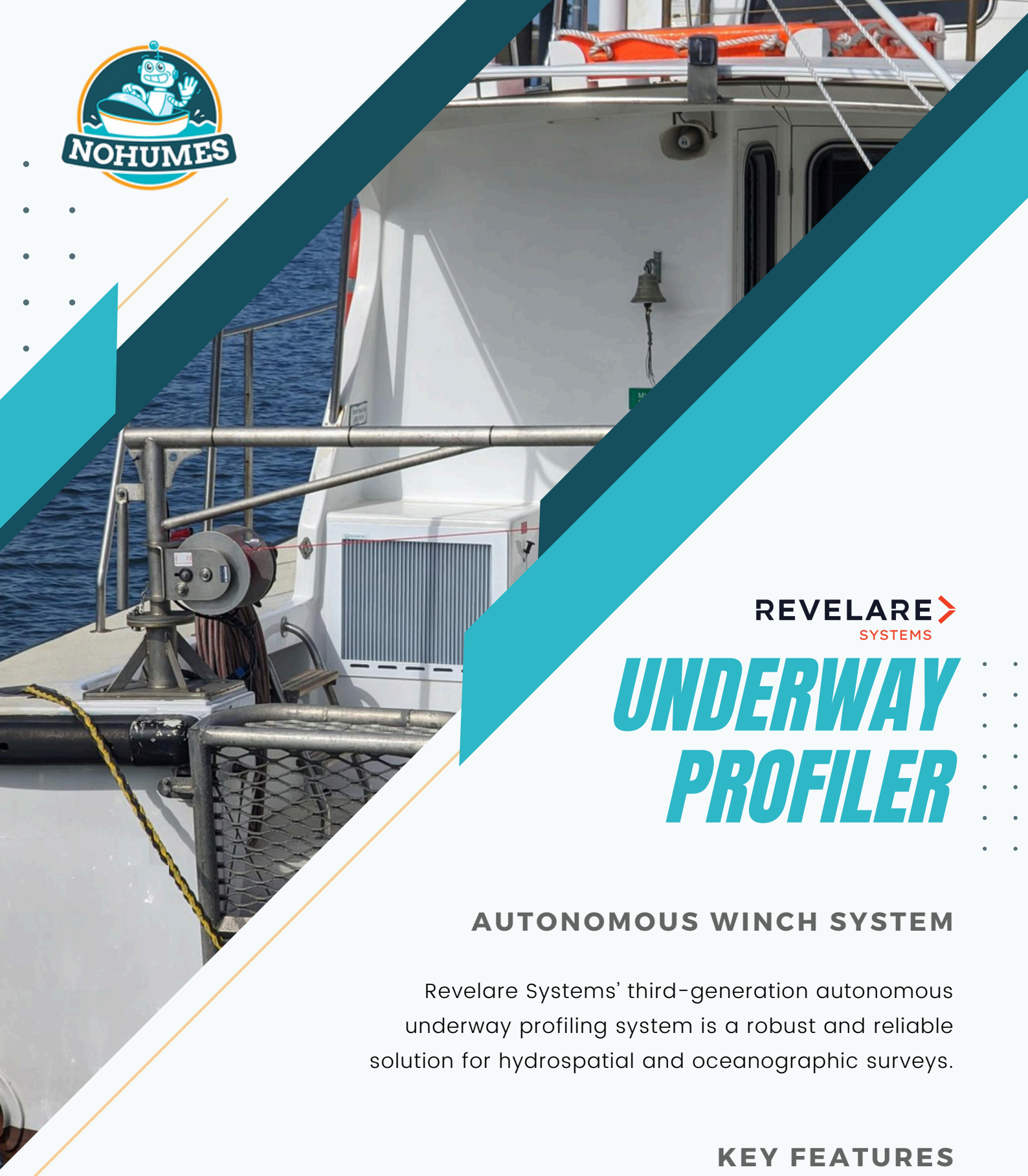


REVELARE SYSTEMS

# UNDERWAY PROFILER

## AUTONOMOUS WINCH SYSTEM

Revelare Systems' third-generation autonomous underway profiling system is a robust and reliable solution for hydrospatial and oceanographic surveys.

## KEY FEATURES

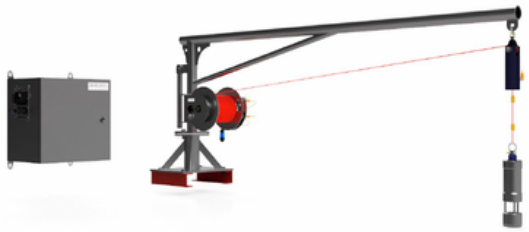
Made with globally available parts
Field serviceable and repairable
Suits multiple water sensor types
User friendly interface
Custom deployment systems
Low power requirements
Small installation footprint


**AUTHORISED AGENT**
No Humes Pty Ltd
robots@nohumes.com

REVELARE SYSTEMS

# UNDERWAY PROFILER

## EASY TO MAINTAIN AND REPAIR



Can be fitted with sound velocity, turbidity, dissolved gas and other water column sensors.

Can be used to assist with seabed sampling as the powerful bundled winch can support a mini-Pederson or petite Ponar grab.

The controller operates autonomously to conduct underway profiling in depths up to 100 metres, optimised for speeds of 4-8 knots.


Via a user friendly touch-screen or networked interface, profiling can be triggered manually, or automatically using time, depth, speed and surface sound velocity data sourced via Ethernet link to industry standard acquisition software, including QINSy.

The system automatically computes cast trajectory and operates the winch to freewheel the sensor during the downcast and retrieve when it reaches a preset safety altitude above the seabed.

The system boasts a very low SWaP with only a 24V battery power supply and a small installation footprint. It can be used with an A-frame, several davit options, or installed with custom deployment systems in un-crewed surface vessels.

We can supply custom davits and launch systems to suit any vessel size or type.

| | |
|---|---|
| **Controller weight** | 23kg |
| **Winch weight (excl. davit)** | 25kg |
| **Power** | 24VDC<br>3A idle<br>20-40A hauling<br>60A max with inbuilt protection |
| **Sensors** | Designed for Valeport Swift<br>(contact us for more options) |
| **Control interface** | Ethernet to acquisition system<br>(QPS QINSy recommended) |

Made in Australia, using off-the-shelf industrial automation components, connectors, cables and an Australian made free-fall winch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