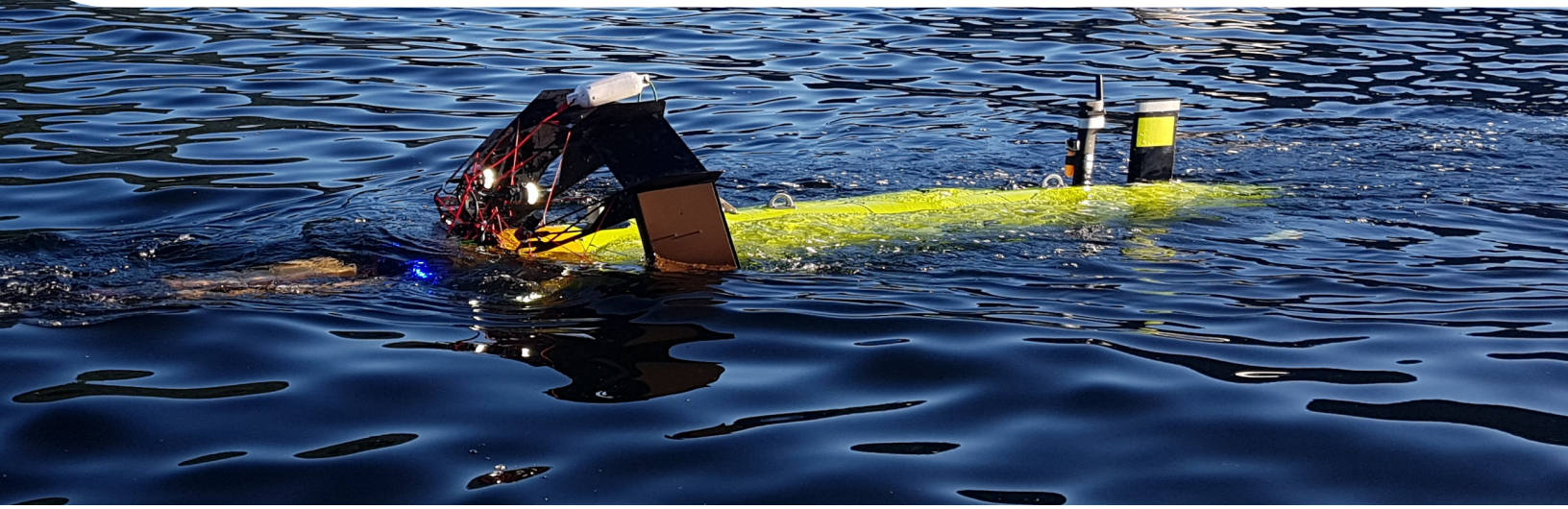
International Submarine Engineering Ltd.

TOWED DOCK

Discover Unlimited Range: Surfacing Optional



ISE's towed docking system is designed to complete offshore missions where high quality AUV surveying and surveillance are being conducted. This is done by removing the requirement to recover the vehicle for charging and data retrieval.

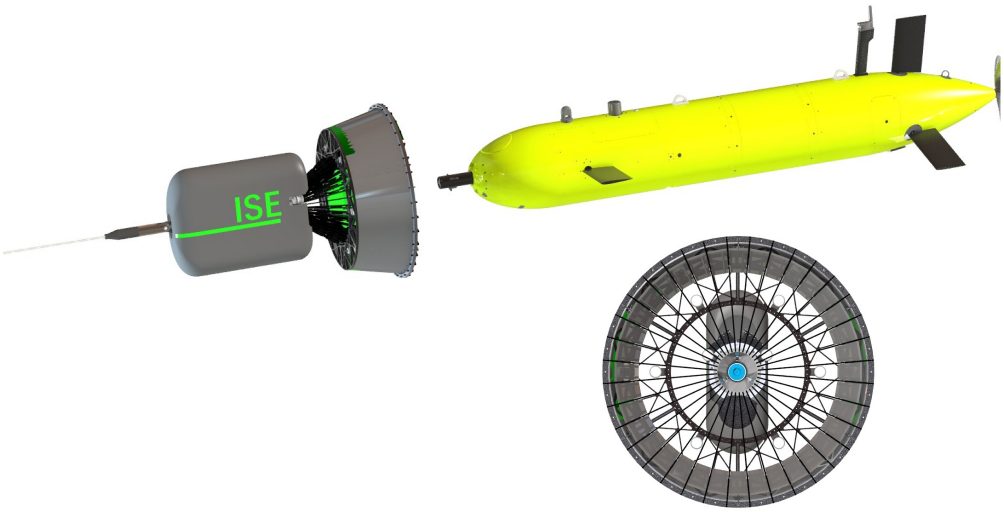
Unlike other options, ISEs autonomous platform allows the AUV to dock, charge and download data while the surface vessel is still moving and without human intervention.

APPLICATIONS

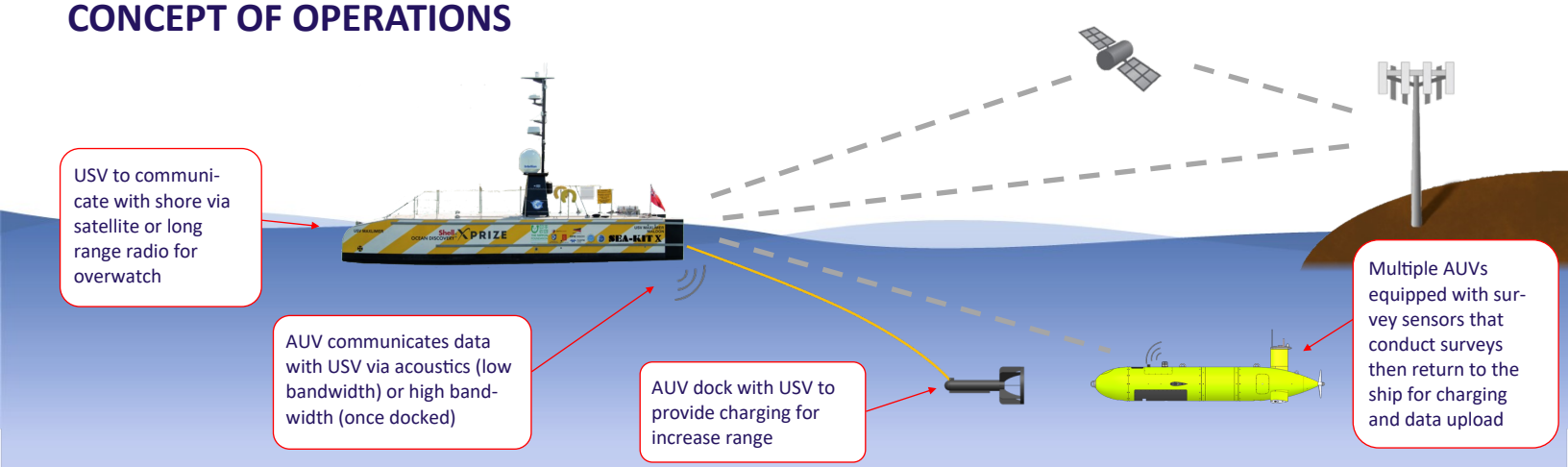
- Battery Charging
- Data Transfer
- Towing of AUVs between missions
- Vehicle Recovery
- Continued Operations in any Sea State

INDUSTRIES

- Oil & Gas
- Commercial Survey
- Mining
- Defense
- Scientific Research



CONCEPT OF OPERATIONS



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FEATURES & CAPABILTIES

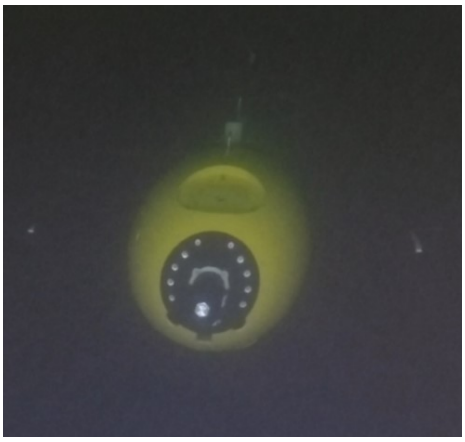
These are the features that have been built into the TOWED DOCK to ensure our customers achieve great results:

FAST CHARGE
< 3h (for Explorer AUV)

COMPATIBILITY
with most AUVs

LED AUTONOMOUS DOCKING
Autonomous tracking technology

- Optical alignment and validation of target
- Acoustic tracking and positioning
- Quick turnaround time for continuous missions
- Variety of Subsea connectors available
- Autonomous docking
- Adaptable to most AUVs or XLAUVs
- A single dock can support an AUV swarm



Autonomous Tracking Technology

SPECIFICATIONS & PARAMETERS

DOCKING PERFORMANCE*

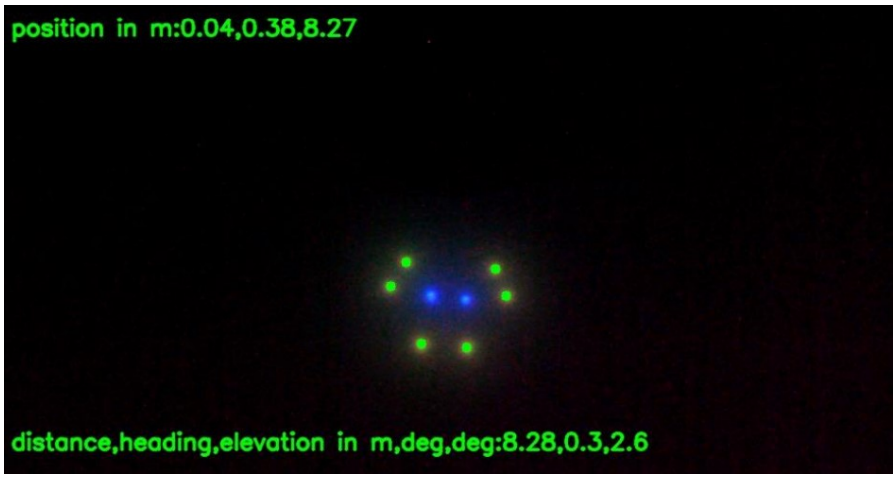
- Charge rates: up to 400VDC @ 120A
- Data Transfer Rate: 400Mb/s
- Depth Rating: 200 m
- Basic Acoustic Tracking: 90 m
- Refined Optical Tracking: 10 m
- Towing Speed: 0.5—3 m/s
- Dock Operating Depth: 5—100m

WEIGHT & DIMENSIONS*

- Length: 2 m**
- Diameter: 1.5 m**
- Weight: 110—410 kg**

COMMUNICATION EQUIPMENT

- Altitude & Heading Reference System: Advanced Navigation ORIENTUS
- Depth Pressure Sensor***
- Surface Communication: Tether***



* Alterations available upon request
** Based on Explorer AUVs only
*** Options available upon request

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