

Solving Subsea Challenges



**HUGHES
SUBSEA**
an OEG Offshore company

Hughes Subsea Services, an OEG Offshore company, brings over 100 years of combined offshore and subsea experience.

As an integrated subsea service company, we offer a comprehensive range of services to the offshore oil and gas, renewable energy, telecommunications, power generation and marine civil engineering sectors.

We operate to the highest and most stringent industry standards. Our team prides itself on its robust operational procedures and ability to deliver industry-leading quality, environmental, health and safety standards in all of its operations.

We work hard to cultivate an extremely flexible 'can do' attitude; striving to adapt and overcome every challenge we face in a creative and cost-efficient manner. Above all, we work in close partnership with our clients, and their requirements remain our priority at all times. Our constant focus is to assist in any way we can, working collaboratively to ensure that every project is carried out successfully – right from the start.

Safe, reliable & cost effective

Modern & innovative approach

Quality is our standard

'Can do' attitude

Indepth subsea knowledge and experience

Collaborative approach

SUBSEA SERVICES

- Boulder Relocation & Debris Removal
- Unexploded Ordnance (UXO) ID and Disposal
- Commercial Diving Services
- Remotely Operated Vehicle (ROV) Technologies
- Subsea Telecomms & Power Cables



ROV Technologies



Commercial Diving



Unexploded Ordnance (UXO) Identification & Disposal

Boulder Relocation and Debris Removal



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Our industry-leading techniques offer a highly efficient solution to the challenge of boulder relocation and debris clearance on site.

Boulders and debris can pose a significant challenge for developers, potentially leading to extensive layout alterations and rerouting. Applying our years of experience, we created the Subsea Multi-Tool (SMT) ROV; a powerful, cost-effective and flexible deployment platform capable of satisfying various subsea requirements.

The modular design allows for interchangeable tooling, including a 6-tine grab, clamshell grab, mass flow excavator and survey skid. The system offers superior productivity in comparison to a WROV, operating effectively even in high-current environments.

With flexible deployment options, the SMT-ROV is capable of achieving more than 100 single grabs in a 24hr period, and relocating boulders in excess of 2 metres across.

The ability to accommodate various inspection and survey sensors simultaneously, including the PanGeo SBI, means the SMT-ROV can also perform post-removal confirmation surveys, potentially removing the need for a survey vessel mobilisation.

The system can be configured to be deployed using one of three methods:

- Vessel AHC crane deployment with tagging tower
- A-Frame LARS deployment
- Vessel A-Frame system

When deployed through a moonpool, increased operational wave limits for launch and recovery are achieved.

106+

Single grabs achieved in 24 hrs

0.2m to 2m+

Boulder relocation capability

30T

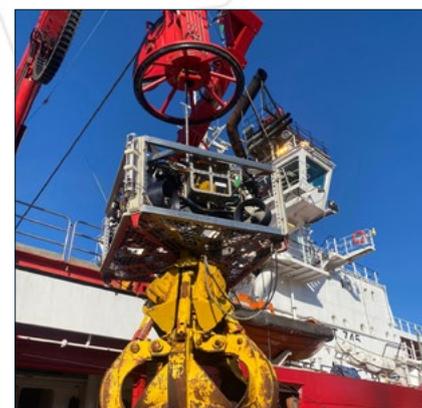
Maximum lift capacity depending on configuration

TECHNICAL SPECIFICATION

	SMT-ROV 01	SMT-ROV 02
Motor Shaft Power	2 x 100 Hp	2 x 150 Hp
Available Hydraulic Power	200 Hp	300 Hp
Through-Frame Lift Capacity	20 Tonnes	20 Tonnes
Vehicle Depth Rating	4000 metres	3000 metres
Thrusters	4 x 420 mm Sub-Atlantic	4 x 380 mm
Maximum Thrust	1000 kgf	1000 kgf
Video Channels	6 (Innova)	6
Ethernet Channels	3 + (Innova)	3 +
Winch Capacity	1500 metres	n/a
Active Heave Compensation	15T @ 4 metres (Scantrol)	n/a
Auto-Heading	Tritech	Yes
Auto-Altitude using AHC	Tritech	n/a
Optional Survey Pod Integration	Yes	Yes
Dimensions	L x B x H (m) 2.13 x 2.13 x 1.96	L x B x H (m) 2.13 x 2.13 x 1.96



SMT-ROV: powerful and versatile. Ideal for large scale debris clearance



SUPPORTING GLOBAL ENERGY AMBITIONS