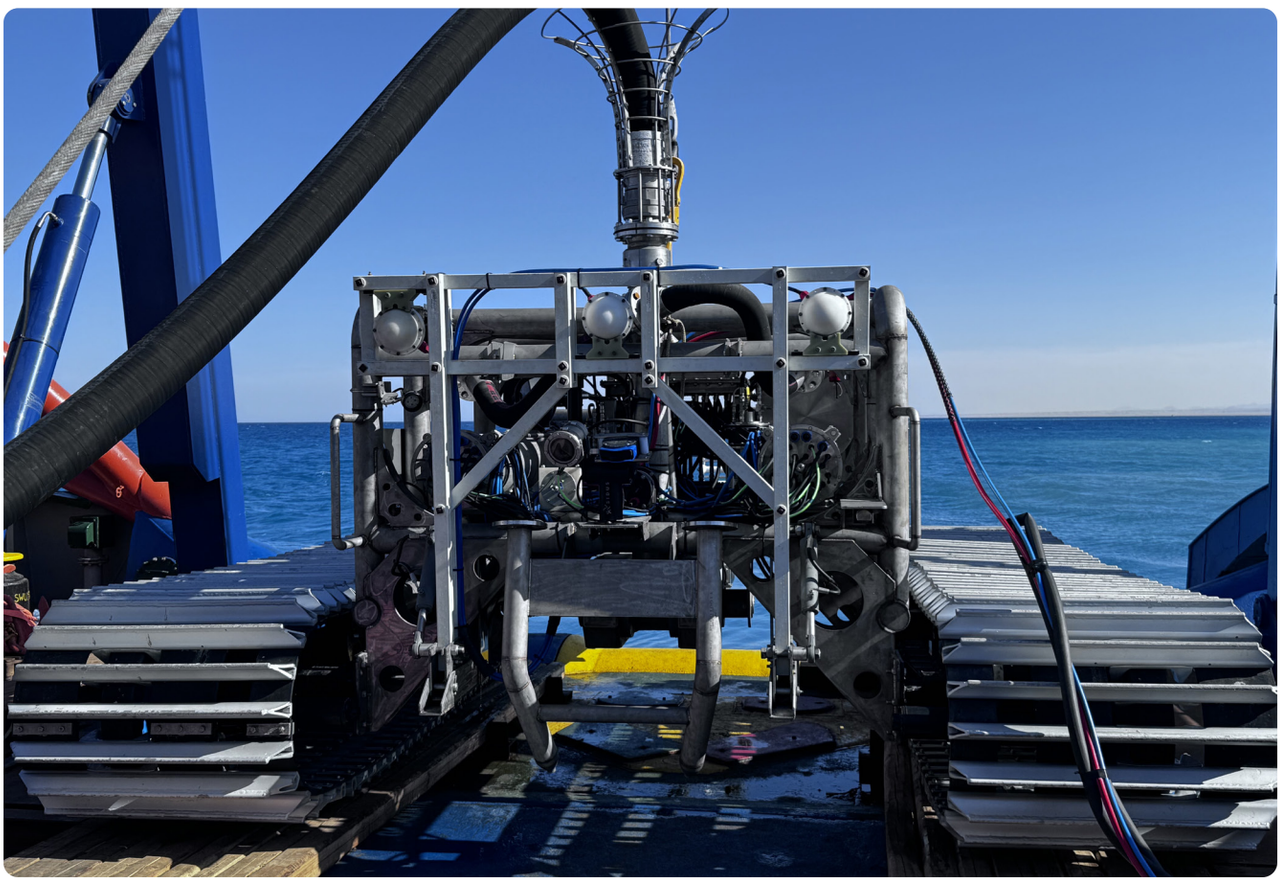
Engineering
Excellence
Underwater

SMD ARTEMIS

Company: Gaeaquatic
Location: North Coast of Egypt, Red Sea
Artemis system: Artemis Passive
Cable type: Double armoured subsea fibre optic cable
Detection range: Up to three metres below seabed



Background

Gaeaquatic, a leading provider of subsea engineering solutions, embarked on a challenging project to track a doubled armoured fibre optic cable during a multipass trenching operations. The cable was buried up to three meters below the seabed. Given the complexity of this mission, Gaeaquatic sought a reliable technology to ensure its successful execution.

The Challenge

- Accurately track subsea cables often in zero visibility conditions.
- Seamlessly align Gaeaquatic's trencher with the cable for efficient operations.
- Ensure cable position is accurately located to prevent damage during multipass operations.
- Provide precise data on the depth, offset and yaw of the cable to guarantee safe and accurate burial.

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SMD Artemis
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The Outcome

"This technology didn't just meet our needs; it elevated our entire experience and set a whole new standard."

Thanasis Kostis, Operations Director at Gaeaquatic
June 2024

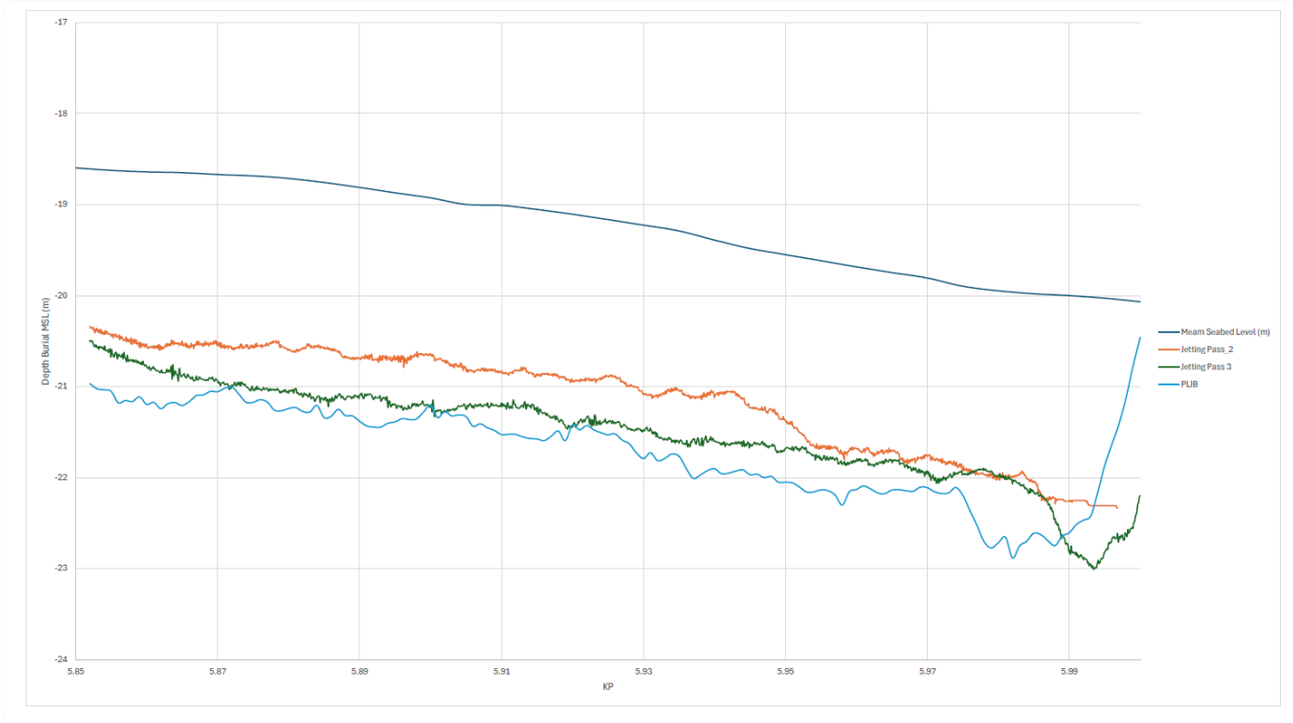
Throughout this mission, SMD Artemis showcased its advanced capabilities in a number of areas. Thanasis Kostis, Operations Director at Gaeaquatic, reported: "SMD Artemis was a game-changer for our underwater operations - its exceptional performance exceeded all of our expectations.

"From multi-pass dives to zero visibility scenarios, Artemis made tracking cables a smooth task, significantly easing the workload for our ROV operators and making alignment a seamless endeavour. This technology didn't just meet our needs; it elevated our entire experience and set a whole new standard."

Dr Lindsay Smith, Business Development Manager, New Technologies at SMD added: "SMD Artemis has been designed to address many of the challenges with subsea cable tracking and survey.

"We have fine-tuned this advanced software for a number of years, and this case study confirms that it has completed another successful mission, delivering highly acurate results and improving subsea operations for Gaeaquatic."

The Result



Results from trenching scope, North Coast of Egypt. Multipass operation. Graph presents mean seabed level, along with each jetting pass and post installation survey.

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Get in Touch

Artemis Passive systems are now available for hire through global rental company RTS.

For more information on Artemis systems, please contact:

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