Engineering
Excellence
Underwater

SMD ARTEMIS

Company: SMD Shallow Water Trencher Operator
Location: Taiwan and China
Artemis system: Artemis Passive
Cable type: HVAC cable
Detection range: 3m
Vehicle: Shallow Water Trencher

Background

SMD Artemis was deployed by this client to enable the post-lay inspection and burial of live 60Hz HVAC cables. Taking place in the Asia Pacific, zero visibility conditions meant that reliable cable tracking support was essential to the success of these multipass operations.

SMD Artemis was selected to provide accurate positioning information during the reburial of a live asset.

The Challenge

— Facilitating the remedial burial of live HVAC cables without interrupting transmission.

— Accurately tracking cables in zero visibility conditions.

— Providing stable tracking to ensure the safe lowering of trenching swords.

— Enabling multipass burial operations to achieve 3m burial depths.

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The Outcome

This complex mission involved continuously tracking live 60Hz HVAC cables to ensure assets remained fully operational throughout reburial. Providing real-time data on the precise location, and heading of the cables, SMD Artemis ensured multipass operations were conducted seamlessly.

Operating in passive mode, SMD Artemis utilised the 60Hz signal from the live cable to provide accurate cable positioning information in zero visibility conditions to ensure assets were protected from damage from the jet swords.

Dr Lindsay Smith, Lead Project Engineer for SMD Artemis, explains: "In shallow water and zero visibility environments, maintaining accurate cable tracking is critical, particularly when working with live assets.

"Throughout these post-lay inspection and burial missions, SMD Artemis ensured this client had continuous positional awareness, enabling safe and efficient operations."

Dr Lindsay Smith, Product Manager,
Subsea Tools & Instruments, SMD

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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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