

# STM NETA

AUTONOMOUS UNMANNED UNDERWATER VEHICLE



ENGINEERING THE NEXT

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# STM NETA 300



## Unmanned Underwater Vehicle

STM NETA 300 is a compact, two-person portable, ease-to-operate and modular Autonomous Unmanned Underwater Vehicle (UUV) with versatile payload options.

The flexible architecture, payload capacity and state-of-the-art design of STM NETA 300 enhance interoperability and expand application ranges while reducing risk and providing cost-effective solutions.

## Missions

### Mine Countermeasures (MCM)

STM NETA 300 is capable of conducting MCM operations at depths ranging from 2 to 300 meters and autonomously surveys minefields using Side Scan Sonar and Gap Filler Sonar, enabling operators to identify and classify mines or mine-like objects as quickly and efficiently as possible.

Syntactic Aperture Sonar (SAS) can be optionally integrated to achieve a wider swath range and ultra-high along-track resolution.

## Search and Rescue (SAR) Operations

STM NETA 300 is rapidly deployable from any type of vessel and provides extensive area coverage on a single mission period, making it ideal for SAR operations. The side scan sonar and precision navigation systems deliver highly accurate data for locating targets and wreckages.

## Other Capabilities

Given the stability and sophistication of the STM NETA 300, it supports a wide range of applications. These include both civilian and military uses.

## Military Operations

Intelligence, Surveillance and Reconnaissance (ISR)  
Rapid Environmental Assessment (REA)  
Anti-Submarine Warfare (ASW)  
Explosive Ordnance Disposal (EOD)  
Port Security

## Civilian and Industrial Applications

Seabed and environmental assessment  
Pipeline inspection  
Geophysical survey  
Offshore renewables  
Marine archaeology

# Benefits

## Flexibility and Modularity

The indigenous, flexible and modular design of STM NETA 300 allows for various configurations tailored to operational needs, ranging from a 70 kg base configuration to an 85 kg long-endurance configuration.

Battery options include 2.1 kWh or 4.2 kWh lithium-ion sections, providing up to 12 hours or 24 hours of endurance, respectively.

## Key Features

- Indigenous
- Ease-to-Operate
- Two-man portable, small-size UUV
- 300-meter depth rated
- Up to 24-hour mission duration
- Speeds up to 5 knots
- Flexible architecture
- Modular, portable and reconfigurable

