

ROVULA

XGateway

Autonomous Surface Vehicle



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XGateway Introducing

Introducing XGateway, the 10 meters autonomous surface vehicle (ASV). Equipped with cutting-edge satellite communication systems, XGateway ensures seamless connectivity even in the most remote offshore regions. Built to offshore grade standards, it thrives in harsh marine environments, delivering unwavering performance and reliability.

Safety is paramount with XGateway, featuring advanced collision avoidance technology to navigate obstacles effortlessly, guaranteeing smooth operation in any scenario. Its versatility shines through with multi-purpose functionality, seamlessly transitioning from hydrographic surveys to security patrols with ease.

XGateway isn't just a standalone unit—it's a team player. With its capability to collaborate seamlessly with Autonomous Underwater Vehicles (AUVs), it revolutionizes underwater exploration and mission execution. XGateway : Where innovation meets reliability, shaping the future of maritime



Safety



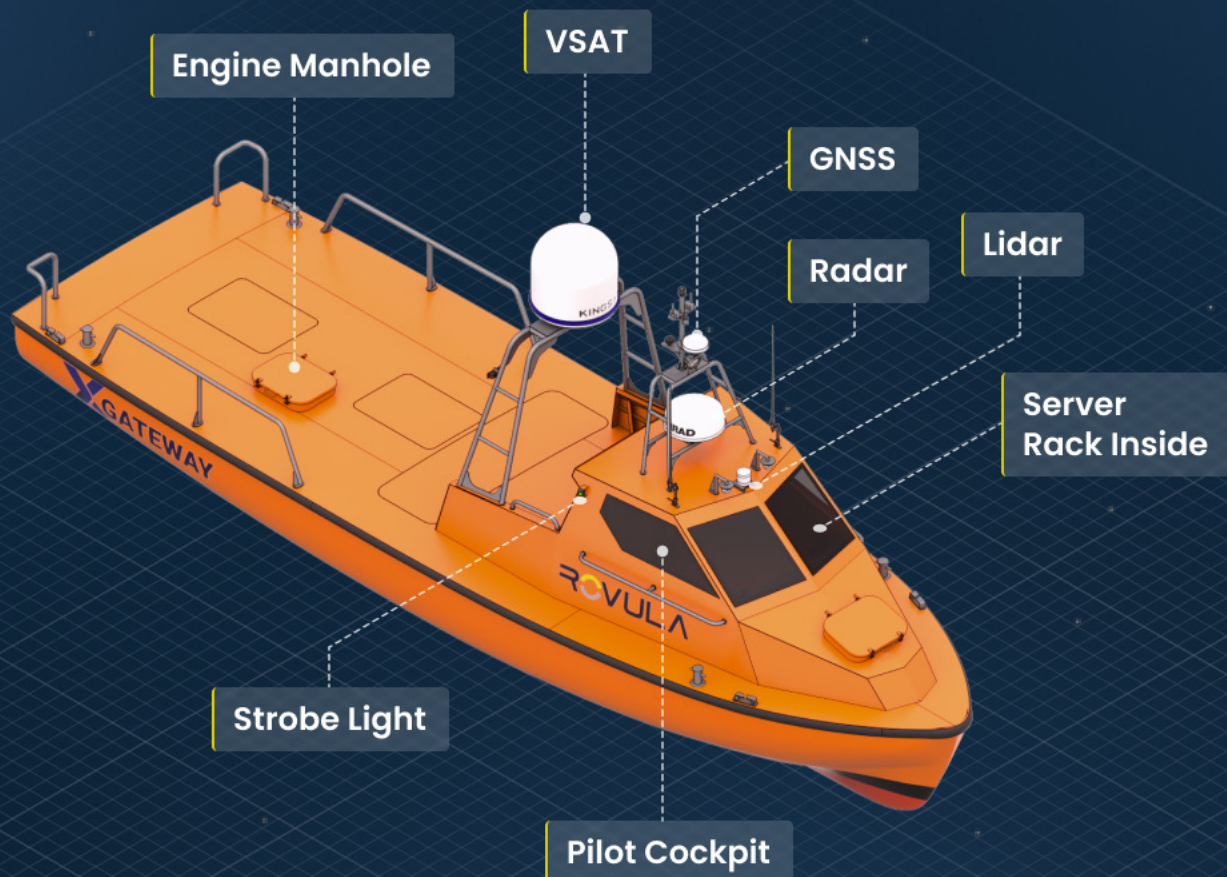
**Wide Range Of
Operation Conditions**



**Cost
Effectiveness**



**Greater
Efficiency**



Specification

PHYSICAL

Weight

4.5 Tons

Dimension

Length 10.05m x Width 3m

Hull type

Mono hull V-Shape

Propulsion

25kW Electric drive from battery charged by diesel engine

Space for customized payload

Length 5.0m x Width 2.8m

PERFORMANCE

Survey speed

4 Knots

Max speed (Forward)

9 Knots

Sea stage tolerance

Level 3

Autonomy time

1 hours 20 min at continuous max speed 40 hours at continuous survey speed 100 hours at survey speed mix used

ADVANCE FUNCTION

Autopilot

Auto collision avoidance
AUV following mode

Option Payload

- USBL Transponder
- Hydrographic survey suit

NAVIGATION SYSTEM

GNSS, AIS, RADAR LiDAR

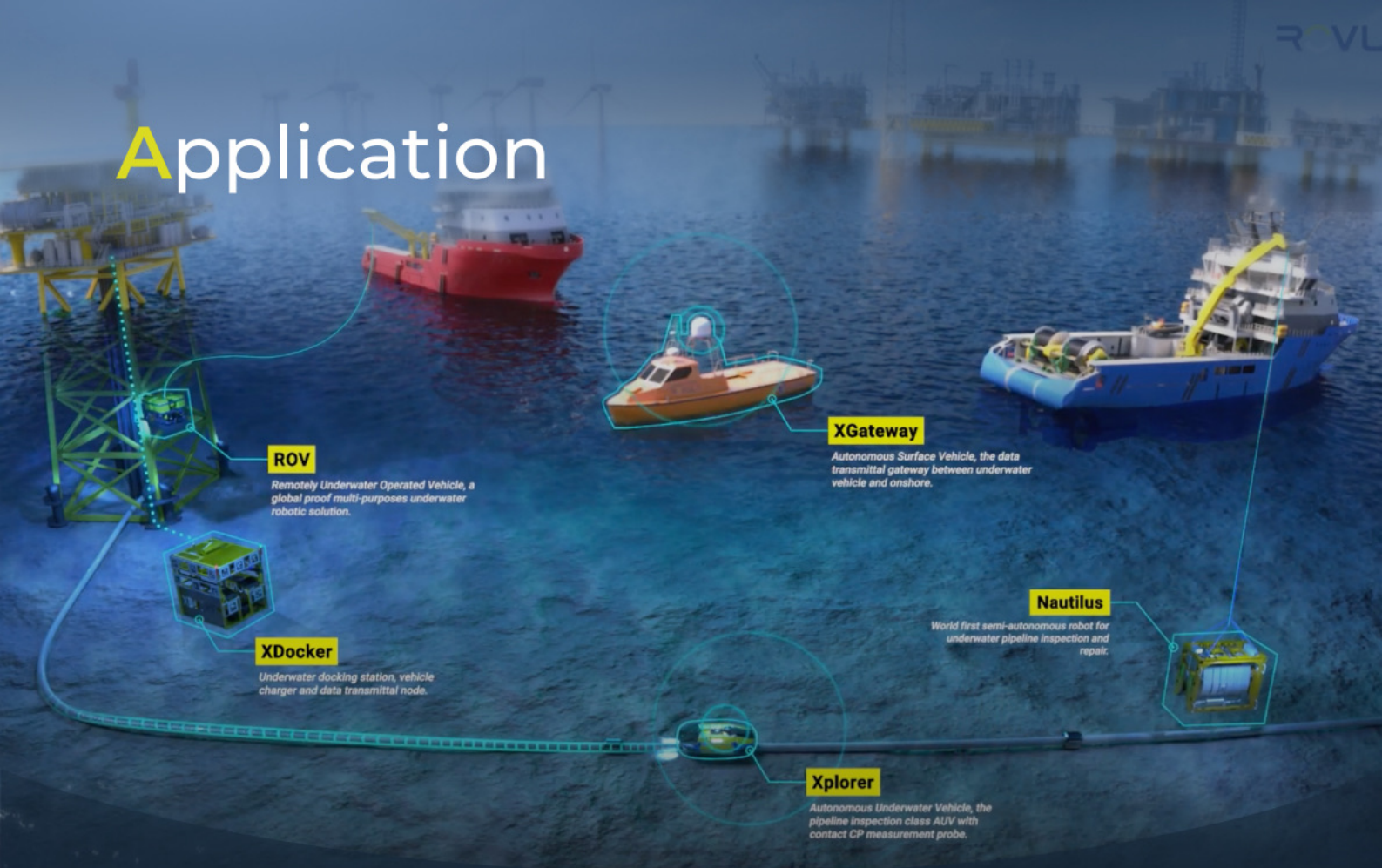
Standard Payload

Server Rack, Retrievable instrumentation pole, Camera

COMMUNICATION

Maritime VSAT, 4G/5G LTE

Application



Communication
Gateway For AUV



Hydrographic
Survey



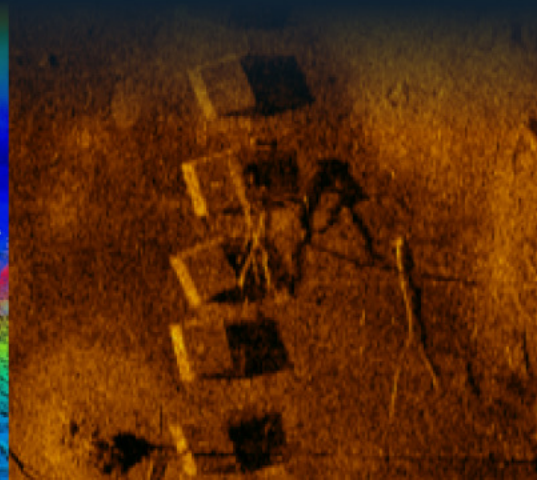
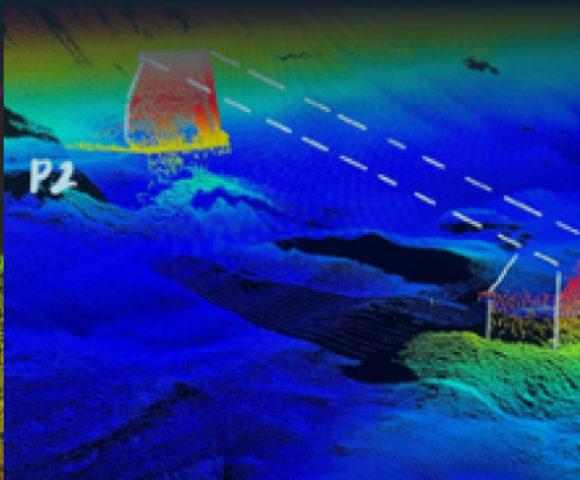
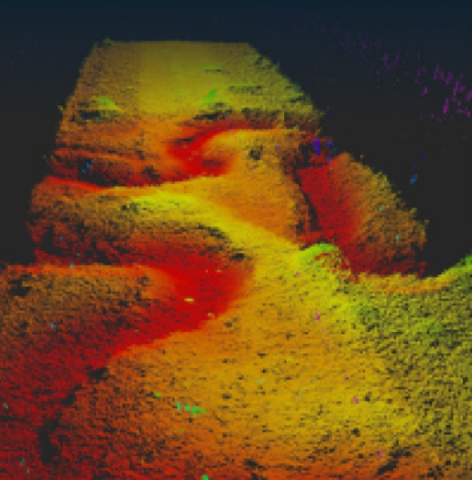
Environmental
Survey



Search And
Rescue



Defense And
Security



Get in touch

Rovula is a resident of ARV, PTTEP's technological venture builder, with expertise in subsea IRM technology enhanced by AI and Robotics, as well as one of Thailand's leading companies with AI and Robotics capabilities. We are a service provider of intelligent underwater solutions and are focusing on innovating in the AI and Robotics landscape. We believe in our added-value solutions that are cost-effective, risk-free, and efficient.

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An end-to-end solutions for subsea IRM platform enhanced by advanced AI and Robotics technologies providing cost efficiency and safer operation