

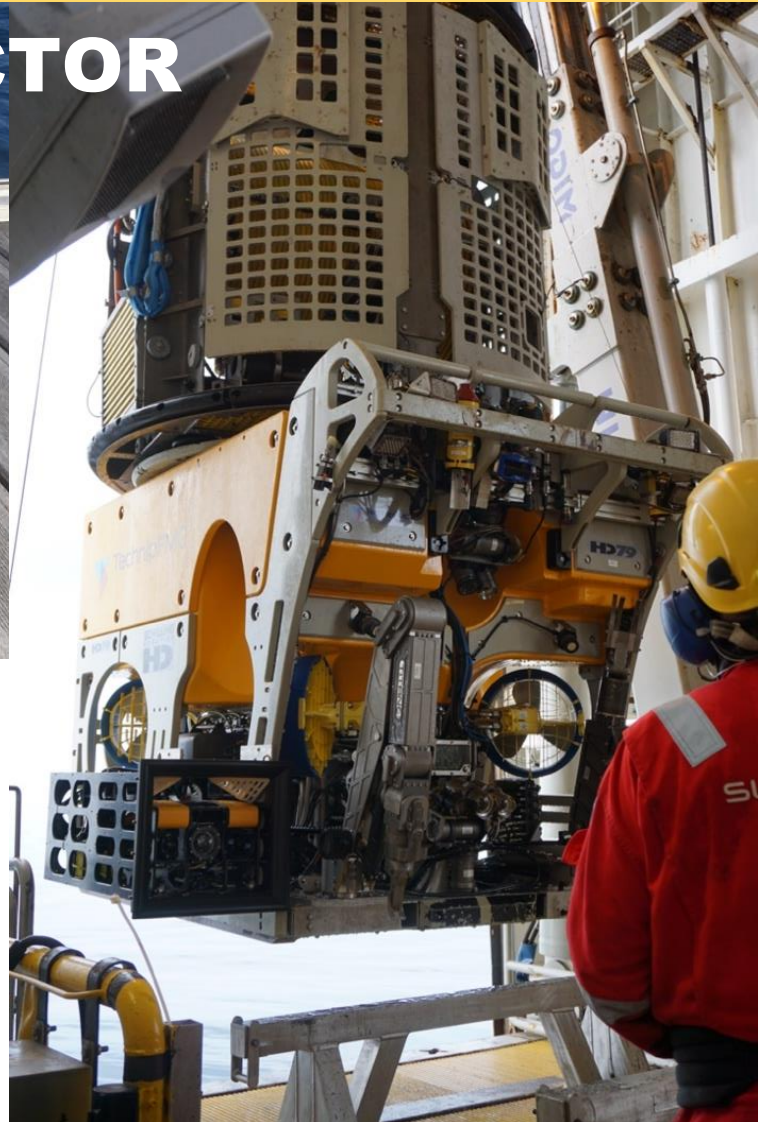
INSPECTION COMPANION ROV **VECTOR**



The Vector is a **deepwater** observation system. It consists of the fly-out ROV and a Tether Management System (TMS) with 60m of tether cable.

The Vector ROV offers **HD visual inspection** and lighting support for host vehicles (work class ROVs, submarines,...) in **confined** or high-risk environments, such as subsea structures, shipwrecks, caves, etc.

The vehicle is deployed from a garage TMS that is linked to the host vehicle. It shares its power, a spare optic fiber, and the Launch and Recovery System (LARS) of the host vehicle. These features keep **operating costs very low**.



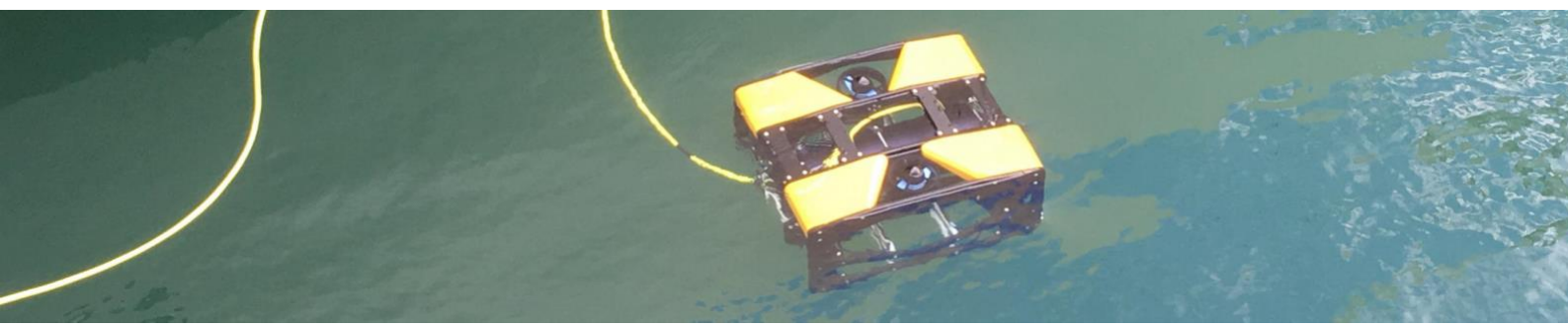
Features

Compact size

Depth Rating 3000m (option 6000m)

High Resolution HDTV

6x vectored brushless thrusters



	ROV	TMS
Operational depth	3000 m (option 6000m)	3000 m (option 6000m)
Dimensions	Length: 45 cm Width: 39 cm Height: 31 cm	Length: 112 cm Width: 56 cm Height: 51 cm
Weight	14 Kg in air, neutral in seawater	48 kg in air, 4 kg in seawater
Propulsion / motors	4x horizontal vectorized thrusters + 2x vertical thrusters	Variable speed traction wheel ROV locking mechanism
Power & Communications	Power : 450W – 120/260VAC–370VDC Coms : Ethernet from TMS	Power : 450W – 120/260VAC-370VDC Coms : Mono-mode Fiber Optic to Topside unit : <i>Optolink single FO plug</i>
Tether	diameter 7.5mm, neutral in seawater	TMS reel capacity: 60 meters
Cameras	Front Color HD low-light camera with tilt	Two color HD low-light cameras
Lights	Dimmable LED lights	Dimmable LED lights
Sensors	Compass and accelerometers Depth External and internal temperature Leak detector Echo sounder (300m rated)	Compass and accelerometers Internal temperature Leak detector
Tooling	Gripper Suction Pump	
Topside	ROV Laptop Joystick/buttons console	TMS Laptop Fiber Optic interface box



Scan to watch the video:

Exploring the Depths of a shipwreck



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