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# ALSEAMAR

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ALCEN

## Swimmer Delivery Vehicles

### SPHYRENE – CORYPHENE

6 divers

2/3 divers



#### Combat swimmers

Swimmer Delivery Vehicles are used to transport Navy SEALs for special operation warfare. They have been designed to provide the best ergonomics and performances to the combat swimmers. They can be deployed from shore, boat and even a submarine from a dry-deck or wet-deck shelter. A large cargo capacity, a high navigation accuracy and very easy to drive are the strengths of these vehicles. We have more than 5 years of experience in this field.

#### A large scope of missions

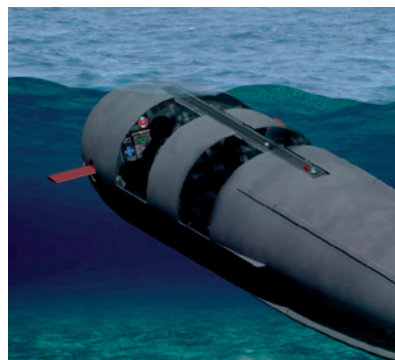
- Extend the range of Combat Swimmers
- Assault on Offshore/Onshore High-Value Targets
- Infiltration or Exfiltration of Commandos
- Intelligence, Surveillance and Reconnaissance
- Maritime Counterterrorism



**innovation & services** at sea

## SDV – SPHYRENE HIGH PERFORMANCE VEHICLE

- Interoperability with Submarine and Warship
- Outstanding Operational Performance
  - 2 Pilots with 4 Divers
  - Speed of 9 kts
  - Sonar Range of 350m
- Very High Endurance
  - Very Long Range
  - Gas Capacity (10h30)
  - Comfort for 6 Divers
- High-End Navigation and Piloting Systems
  - Navigation and Maneuvering Accuracy (INS+DVL)
  - New User-Friendly HMI
  - Satellite Communication
- Safety
  - Pilot and Navigator Sit Side by Side
  - Divers in Physical Contact with Crew
  - Rescue gas



### Specifications

<b>Operating Depth</b>	Up to 25m (watertight 100m)
<b>Dimensions</b>	Length: 8.00m – Height: 1.40m – Width: 1.45m
<b>Weight</b>	< 4,5t
<b>Speed</b>	0 up to 9kts
<b>Range</b>	70Nm at 8kts
<b>Propulsion</b>	Brushless motor low speed Lateral and vertical thrusters
<b>Payload in water</b>	100kg
<b>Optional</b>	Telescopic mast with optonics system

## SDV – CORYPHENE HIGH PERFORMANCE VEHICLE

- Interoperability with Submarine and Warship
- Operational Performance
  - 1 Pilot, 1 Navigator, 1 Diver
  - Speed of 5 kts
  - Sonar Range of 350m
- Endurance
  - Gas Capacity (6h00)
  - Comfort for 3 Divers (with additional section)
- High-End Navigation
  - Navigation and Maneuvering Accuracy (INS+DVL)
  - New User-Friendly HMI
  - Satellite Communication
- Safety
  - Rescue gas



### Specifications

<b>Operating Depth</b>	Up to 25m (watertight 50m)
<b>Dimensions</b>	Length: 6.00m or 6.30m Beam: 1.00m
<b>Weight</b>	1.5t
<b>Speed (cruise/max)</b>	5kts / 8kts
<b>Range</b>	50Nm at 5kts
<b>Propulsion</b>	Brushless motor low speed
<b>Payload</b>	200 Liters
<b>Optional</b>	Telescopic mast with optonics system



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