



SUBMARINE RESCUE ALLIANCE PRODUCTS

SUBMARINE RESCUE SYSTEMS

REMOTELY OPERATED RESCUE VEHICLE (RORV)

OceanWorks has pioneered technology development for submarine rescue in two key areas:

- The patented articulated mating skirt (compatible with all NATO and other standard submarine mating seats)
- The tethered RORV system configuration

The articulated mating skirt allows the vehicle to lock onto a DISSUB lying at extreme angles (up to 60 degrees) without requiring the rescue vehicle to change pitch or roll. Tethered technologies provide for virtually unlimited power and mission endurance; two way, real time command, control and communications; high safety margins; superior mating and maneuvering control in high and variable current environments.



For shallow water operations requiring additional mating security due to low differential pressure, the skirt can be modified or an alternative skirt installed to permit the use of internal tie-down devices.

FREE-SWIMMING (UNTETHERED) RESCUE VEHICLE

The Submarine Rescue Alliance can also build, maintain, and operate free-swimming rescue vehicles. Our personnel are extensively experienced in launch and recovery systems to safely and reliably launch and recover untethered vehicles and have well over a hundred years of cumulative experience in operating and maintaining free-swimmers such as the US Navy's Deep Submergence Rescue Vehicles.



SUBMARINE RESCUE CHAMBER (SRC)

The highly transportable and light weight SRC operates in conjunction with the HARDSUIT ADS or ROV (for downhaul cable attachment) and can be equipped for TUP capability. Operational capability can be enhanced by incorporating a LARS, thrusters and an articulated skirt. A relatively simple and proven capability, it is the most economical submarine rescue system available.



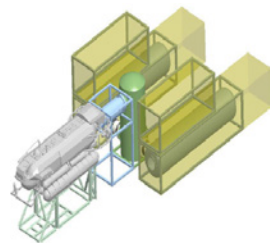
SHIP INTERFACE TEMPLATE SET (SITS)

SITS are an approved structural interface that facilitates rapid installation of the rescue system and distributes rescue system loading to take advantage of the VOO or dedicated rescue ship's deck strength. Adaptive to a wide variety of VOOs, the rescue team installs the SITS in advance of the rescue system during the mobilization process. Response time to first rescue is improved by procuring SITS for forward deployment and allowing partner nations to prepare/identify a VOO.



TRANSFER UNDER PRESSURE (TUP)

TUP is provided for all rescue system options. This capability includes rescue vehicle to decompression system interfaces, transfer trunks, and deck decompression chamber systems. The decompression system is engineered to match the customer's requirements as determined by submarine crew size, ship configuration, and decompression protocols. TUP capability provides for safe, controlled, and efficient transfer and decompression of rescued personnel.





WWW.GLOBALSUBRESCUE.COM

© 2014 Submarine Rescue Alliance, All Rights Reserved. Specifications are Subject to Change.

PHOENIX INTERNATIONAL HOLDINGS, INC.

USA

P.O. Box. 181110
Coronado, CA 92178-1110
USA

phone: +1 619 545 4159

web: www.phnx-international.com

OCEANWORKS INTERNATIONAL, INC.

USA

11611 Tanner Road
Suite A
Houston, TX 77041
USA

phone: +1 281 598 3940

web: www.oceanworks.com

MAGPIE ENTERPRISES, INC.

USA

3666 Kearny Villa Road
Suite 300
San Diego, CA 92123-1951
USA

phone: +1 858 525 1770

web: www.magpieeng.com

Canada

6741 Cariboo Road
Unit 120
Burnaby, BC
Canada V3N 4A3

phone: +1 604 415 0088

EXTENSIVE EXPERIENCE, PROVEN PERFORMANCE.