



Multi-Role Launch & Recovery System



Introduction

The provision of a submarine rescue mothership by a Nation can provide mutual benefits; via a Government to Government Agreement a Nation can secure submarine rescue coverage, without the expense or complexity of operating a dedicated system. In exchange, NSRS (NATO Submarine Rescue System) and SRDRS (Submarine Rescue Diving and Recompression System) can obtain low risk 'gold standard' pre-engineered MOSHIPs pre-positioned around the world, greatly reducing deployment risk and time.

The key to success is developing a fully integrated solution, minimising the amount of equipment which must be flown in during a deployment. The reduction in mobilisation time, afforded by having a compatible, certified Launch and Recovery System, can considerably offset the transportation time associated with deploying a large fly-away system.

JFD provides a unique 'Multi-Role' LARS capable of handling a wide variety of submarine rescue vehicles, both tethered and free-swimming.

The Multi-Role LARS is developed directly from proven, certified Launch and Recovery Systems installed on Belos, Cheong Hae Jin and Swift Rescue, with interface adapters enabling the operation of SRDRS and NSRS, as well as a wide variety of other submarine rescue vehicles, including the DSAR 500 Class and LR5.

- SRDRS
- NSRS
- DSAR-6
- ROKS DSRV II
- LR5
- SRV300

Key Features

- Operates with both free-swimming and tethered SRVs, NSRS, SRDRS and others.
- IACS certified for use with manned submersibles.
- Based on proven, in-service, certified equipment, approved by the relevant technical authorities within both the UK and US Navies.
- Can provide full Transfer Under Pressure to an onboard decompression system in conjunction with a dual use Deck Transfer Lock (DTL) and trolley.
- Permanently installed, but transferable between vessels.
- Optimised for reliability and maintainability.

Specification

Safe Working Load	35 tonnes
Operating Sea State	Sea State 5
Overboard Reach	7.9m (MOSHIP stern to SRV lift line)
Max Outboard Angle	48°
Design Standards	Lloyd's Register American Bureau of Shipping
Key Features	Developed from proven, certified equipment Multiple redundancies - Dual winch and power supply Constant / variable tension Emergency brake override

Track Record

JFD is the leading integrator of submarine rescue systems into MOSHIPs. Recent projects have included:

- Delivery and integration of the complete intervention and rescue payloads onto Swift Rescue - Singaporean Navy.
- Modifications to the Republic of Korea Navy's Cheong Hae Jin to allow the operation, TUP and resupply of DSRV ROKS II.
- Bespoke TUP, LARS and Trolley modifications to enable the operation of NSRS and LR5 from the Swedish Navy's HMS Belos.

