



Launch & Recovery Systems



Introduction

The handling of payloads in high sea-states is a difficult and potentially hazardous operation. Specialist knowledge of the design, manufacture and operation of launch and recovery systems is essential when procuring a new LARS.

JFD offers a range of both off-the-shelf and bespoke systems to handle submersibles, unmanned vehicles and other equipment. We work with clients to identify solutions for particular requirements, however unique.

We are able to provide clients with:

- Complete Launch & Recovery Systems
- Interface Adapters
- Modifications and Upgrades
- Through Life Support

JFD can provide Launch & Recovery Systems in a number of configurations, including: fully integrated, fly-away and diverless. Each carefully balances cost, simplicity of maintenance and operation, and mobilisation time.

Fully Integrated Launch & Recovery Systems

- Permanently installed, yet transferable.
- Optimised for reliability and maintainability.
- Certified for submersible operations.
- Includes dual-redundant portable hydraulic power pack.
- Includes rail and trolley system with self-alignment functionality.
- Includes tow winch.
- 30 tonne Safe Working Load.
- Operable in Sea State 5.
- 60 tonne total weight (excluding power pack).
- Integrated Diverless Launch & Recovery System.
- Designed and manufactured in accordance with Lloyd's Register rules.

Fly-Away Portable Handling Systems

- Modular transportable system.
- Optimised for rapid redeployment by air and road.
- Certified for submersible operations.
- Includes dual-redundant portable hydraulic power pack.
- Includes deck cradle.
- Includes tow winch.
- 25 tonne Safe Working Load.
- Operable in 5m significant wave height.
- 40 tonne total weight (excluding power pack).
- Optional diverless Launch & Recovery System.
- Designed and manufactured in accordance with Lloyd's Register rules.

Diverless Launch & Recovery Systems

- Improved safety by eliminating the most dangerous part of the recovery process by removing the need to have personnel in the water.
- Can be operated in higher sea states than alternative systems.
- Provides an increased operating window.
- Must be integrated into both the submarine rescue vehicle and ship recovery systems.
- System currently in operation in Singapore.



Swift Rescue's Launch & Recovery System



Portable Handling System



Diverless Launch & Recovery System, in service in Singapore