



## Riser Pull-In Systems

From design to execution, customers look to SWOS for in-depth consultation on complete riser pull in systems. Call on SWOS to help mitigate risk, shave weight, save real estate, and lower installation and maintenance costs.

### Reduction in Complexity and Cost

A substantial reduction in size and weight of your pull-in system can have savings implications that carry over into the structural design and fabrication of the asset that the pull-in system will be installed on. By turning to a SWOS synthetic solution, project teams have greatly reduced their design and fabrication times by reducing the amount of steel required to support a wire rope system.

When operations commence and beyond, a synthetic rope system allows for reductions in the complexity and costs associated with logistics, reduction in the scale of equipment needed to install the ropes and winch, and elimination of special maintenance and lubrication programs. In addition, replacement costs are reduced if the system is to be designed for long term use, as synthetics do not experience degradation due to corrosion when stored in harsh offshore environments.

High profile clients have continually turned to SWOS for engineered synthetic rope solutions to meet the challenges their riser installation and maintenance projects face. They have benefited from the advantages that high performance synthetics naturally provide as a result of their ultra-high, strength-to-weight ratio. These advantages can ripple throughout numerous aspects of the project and result in serious cost savings when analyzing a project as whole.

With synthetics weighing in at a fraction of the weight of wire rope and having the ability to operate on smaller winch drums and sheave diameters, the overall size and weight of the winch package can be greatly reduced along with the overall operational footprint. Not having to manage the weight of steel wire, generally translated into further reductions in footprint, weight, and horsepower, all of which add up to serious cost savings. Let SWOS help you design a system that only has to lift the load, not the winch line.

When partnering with SWOS for a riser pull-in system you will not just receive a rope, you'll receive a solution tailored to your needs whether your application points to an existing drop-in solution, or a custom system that is unique to your project's requirements. Our industry leading Technical Sales, Project Management, and Field Service teams are at the ready to support your project from FEED to Field.



## Topside Installation

### Topside Equipment Installation

SWOS designs rigging systems that increase the efficiency and safety for topside equipment installation. SWOS works alongside customers to custom design rigging systems that increase the efficiency and safety of lifting motors, winches, shims and other topside equipment for installation on platforms.

### Float Over

In addition to providing positioning lines for float-overs, SWOS works directly with engineers during the design phase of float-over projects to customize rigging systems for integrated topside projects all over the world. Our strategy entails working with you from the very beginning of the planning stages to understand the scope of the float-over and determine compatible solutions that maximize efficiency and mitigate risk.



Our synthetic rigging systems are lightweight, easy to handle, and require fewer operators and less deck space. Our goal is to drive unique solutions that improve safety while lowering your installation costs.



## Riser Install & Maintenance

SWOS synthetic solutions improve the speed and safety of riser installations.

At a seventh of the weight of wire, synthetic ropes lighten the total weight of the lift, resulting in faster connections and less injuries. SWOS will send an industry expert on-site to determine the best components and hardware that maximize the performance of the entire installation system.