



Engineered Lifts

While your equipment weighs tons, your rigging system doesn't need to. Whether you are trying to get more out of a crane, or combating dwindling capacities in deeper water, SWOS can lighten the load.

SWOS' selection of lightweight rigging options makes the job of lifting heavy loads drastically easier. Lighter, longer-lasting fiber rope solutions are being recognized for improved safety and efficiency on construction sites globally including offshore, fabrication yards and refineries. Using synthetics in heavy lift applications can provide significant weight savings, a safer connection and disconnection, and time savings.

With platforms venturing into deeper and deeper waters, offshore lifts and installations continue to grow in complexity and size. These larger lifts are requiring heavier, more time consuming and intricate rigging packages. Time and time again, SWOS has proven a synthetic solution can make a great commercial impact and improve operational efficiencies. SWOS has the ability to provide a fully engineered lift plan tailored to optimize overall rigging weight, reduce manpower and equipment required, all to help you save time and mitigate risk.

In the offshore arena, our proven synthetic lifting solutions are much lighter above the water line and almost weightless below, resulting in speedier lifts of manifolds, umbilicals, topsides, and other heavy objects.

Custom Lift Packages

Not only can SWOS provide detailed design for slings, shackles, padeyes, and such, SWOS can also design, build and test custom spreader bars or other unique hardware specifically engineered with synthetic rigging in mind. Spreader bars are optimized for adjustability, providing an asset that can be reused, or a cost effective single-purpose-built spreader bar.

A detailed SWOS lift package will provide the client with the following:

Detailed engineering calculations (assessing lift points, CoG, critical lengths, etc)

General arrangement drawings of sling and other rigging items

Detailed and executable lift plans for client approval

The supply of all rigging components, proof loaded and certified in accordance with your requirements.



Lifting Slings

Complete your lifts faster and safer with our lightweight synthetic fiber options.

SWOS designs and fabricates heavy lift slings utilizing a wide variety of fibers and constructions. From yesterday's fibers such as nylon and polyester, to newer fiber technology such as HMPEs and Aramids, SWOS knows the ins and outs of light weight, heavy lift slings. End terminations, chafe protection, tight length tolerances, etc... SWOS is the most experienced in the industry.

From a design standpoint, SWOS can advise on DNV/ABS approved configurations, provide detailed technical backup, drawings, proof loading and more. Whether you are on the front end of a lift design, or need a solution in a pinch, SWOS has the know how and inventory to help.



Riser Protection Nets

High performance riser protection nets designed to engage and repel large debris and typical offshore supply vessels away from the risers.

Damage to a riser can be catastrophic at the very least. SWOS's high performance riser protection nets are designed to engage and repel large debris and typical offshore supply vessels away from the risers. Customized for tension leg and semi-submersibles, these nets are designed with low stretch, light weight fibers to resist excessive motion and subsequent damage from wave action.

Our riser protection nets are specifically designed to allow the replacement of a section of the net in the field, ideally using platform cranes or winches. Foundations for mounting the nets and for holding tensioners are built into the unit. The ropes are designed to break before the hull structure is damaged.

The Largest Fabricator of Riser Protection Nets in the World

With 30 years of experience in the industry, SWOS has a proven track record of fabricating high performance riser protection nets for some of the biggest customers in the oil and gas industry. From the US to Korea and Australia, SWOS has become the go-to supplier of custom engineered nets.