

Commercial Marine Applications

Faster operating times with less injuries.

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Inland

Marine transportation companies are now choosing SWOS' high performance HMPE fiber facing lines over wire rope for many reasons. In contrast to wire rope, these lightweight, flexible lines have proven to eliminate injuries, reduce makeup and knockdown time, and reduce the number of deckhands required for rigging operations. With the SWOS service life extension program, customers have witnessed increased efficiency and reduced operating costs by using SWOS synthetic solutions.

When companies consolidate their fleet consumption to SWOS, the long term savings are beneficial. Through our asset management program we pro-actively monitor your fleet and do the legwork to decrease consumption rates and ensure you get the service life you deserve, and the return on investment you expect. Your Port Captains will have more time to focus on other items knowing we are working behind the scenes to create quantifiable, tangible increases in rope life and reductions in your operating costs.

In addition to the finished product and management system, we employ a training program to ensure everyone coming in contact with the ropes are well versed in proper handling, inspection and care. The human element plays a large role in overall service life and we emphasize the importance of this by providing training through all levels of your organization.

Our rope offerings for the Inland industry aren't limited to HMPE face and wing lines, we also provide general purpose deck lines, lashing lines, barge winch lines and rigging hardware.



Ship Assist

Quality matters, especially when it comes to the only thing connecting your tugs to the floating assets you've been hired to maneuver. Traditional fiber ropes like polyester, polypropylene and nylon are much larger in size when compared strength-for-strength to today's high performance offerings. These commodity-type fiber ropes are known to be much more susceptible to water absorption, which makes them even heavier, and UV degradation which leads to decreased service life. High performance synthetic working lines provide a longer lasting, light weight, ultra-high strength tension member that is naturally resistant to cuts and abrasion, while reducing damage to deck hardware as well as the maintenance required to keep these components ship shape.

Traditional thinking considers a tug working line as just that, a single rope of some sort that is a one-size-fits all. SWOS views working lines not as an individual all purpose rope, but as a system comprised of individual components designed and implemented to tackle the challenges of each individual aspect by combining the latest technologies in fiber, coating and chafe protection. Our systems are supplied in multiple grades of rope and chafe protection and are tailored to the needs of each individual vessel and operator.

Since each vessel in your fleet has a different work load, SWOS views service life as number of jobs completed, rather than length of time stored on a winch drum. By combining the optimal system for your vessel's application along with our field support and asset management system, we are able to ensure your vessel achieves the maximum number of jobs prior to rope retirement. The ultimate goal is to retire lines prior to failing in action, while performing the maximum number of jobs safely. SWOS achieves this through periodic field inspections, crew trainings, supply of tangible reference materials for crews and vessel managers, asset monitoring through our asset management system, and closely monitoring the number of jobs each system has experienced. Focusing on increasing the number of jobs your vessel is able to achieve, and ensuring this is done through the latest system technology, allows us to reduce your overall operating cost by decreasing your cost per job. The result is an overall increase in safety and reduction in rope consumption.



Offshore Towing - High Elongation. Critical Length Experts.

Navigating a barge through harsh offshore conditions can be made easier and safer with a proper rigging system in place. Because SWOS has years of experience working in the marine industry, tow companies can trust SWOS to provide the best rigging solutions for their towing vessels. We only make recommendations that are necessary and that make sense for each specific situation.

While wire may be the ideal solution for your main towline, SWOS offers top quality nylon and polyester options for high elongation that is ideal for stretchers. Light weight synthetic tow bridles are also popular for their buoyancy and ease of handling. In addition to helping you with product selection, our in-house experts will match critical lengths for your bridle and add chafe protection to your line. Also, SWOS can assess your entire rigging system to identify how to maximize performance and increase service life.



Our top tier system has proven to outlast comparable systems by 30% in head-to-head field trials. These trials have been conducted since 2009 and have incorporated more than 35 samples between multiple rope manufacturers.

Investing in a SWOS ship assist system assures that you have the longest lasting products on the market, backed by an industry leading field support and service package. This package has proven to deliver maximum return on investment through reduced operating costs.

