

**ENERPAC** 

# **WIND TRANSPORTATION AND INSTALLATION SOLUTIONS**



**THE RIGHT TOOL MAKES ALL THE DIFFERENCE**

# PROVIDING YOU THE RIGHT TOOLS TO EMBRACE THE FUTURE OF WIND

For more than 60 years, Enerpac has combined high pressure hydraulics and precise controls to deliver ultra-reliable quality and superior precision transportation and lifting solutions. So, whether you're fastening a wind turbine transition piece to the deck of a sea transport vessel, maneuvering wind turbine components on deck, carefully positioning turbine bases to the sea floor, or precisely installing a rotor hub, you're backed by the Enerpac global legacy.

Enerpac transportation and installation solutions will provide wind turbine installation contractors the flexibility to face these challenges and future-proof their operations for years to come. Investing in trusted, high-quality Enerpac equipment today will ensure your company is ready to take turbine manufacturing to new heights, build a more sustainable future and embrace the future of wind.



## LIFTING YOKE

Our wind turbine manufacturing customers are challenged with some of the most complex and heavy lifting tasks, when they need to install items at great heights such as nacelles, blades or other large components. It is our responsibility to make sure those jobs can be performed in a safe, efficient and cost effective way. We design and manufacture lifting yokes that maintain the highest level of quality, reliability and safety.



## SYNCHRONOUS HOIST SYSTEMS

The Synchronous Hoist System is a below-the-hook sling adjuster (hydraulic turnbuckle) which typically includes multiple specialized hydraulic cylinders mounted directly in-line with the rigging which provides the operator the freedom to precisely monitor and adjust each lifting point independently. The system enables a single crane to precisely position heavy and unbalanced loads.



## ELECTRIC TROLLEY SYSTEM

Enerpac ETR-Trolley System provides an alternative method over traditional skidding methods with increased benefits. Load movements are more stable due to the continuous movement and ability to precisely control travel speed including acceleration and deceleration.

This system also offers a great level of versatility due to its capabilities when maneuvering heavy wind turbine components around the manufacturing site and the loading and unloading to and from offshore transportation vessels.

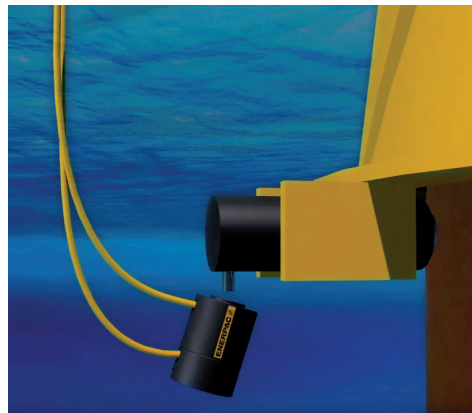


**GOAL  
ZERO**

**ENERPAC**

## LEVELING AND FIXATION CYLINDERS

For the precise and accurate leveling and fixation of the transition piece on the monopile, Enerpac can provide a hydraulic system, containing spring return cylinders, each with a capacity and stroke that complies with your design. The system will be supplied complete with Enerpac hoses and HPU's.



## REMOTE HOSE DISCONNECTOR

The Enerpac Remote Hose Disconnecter® is a revolutionary device to depressurize and detach a hydraulic cylinder till 328 feet subsea. The RHDC will contribute to the vision of a circular economy, as it completely prevents oil spillage

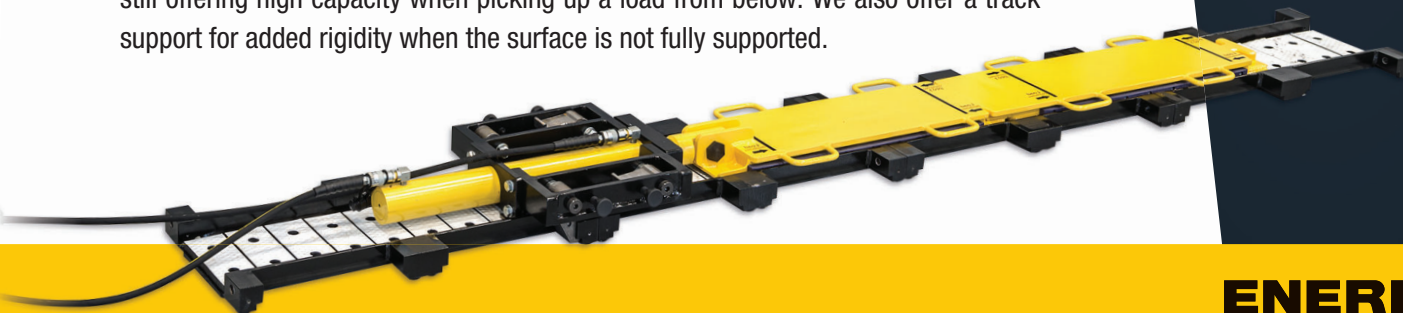
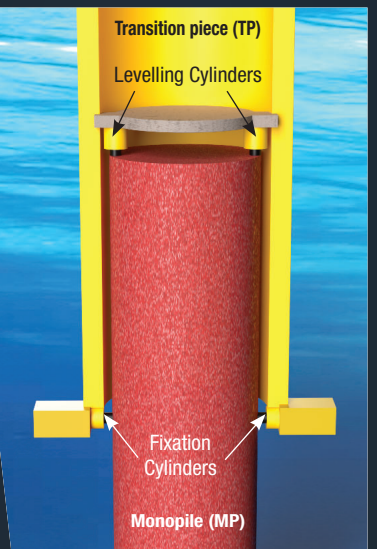
## SEA/LOAD FASTENING

Enerpac controlled bolting solutions are a reliable, save and secure way to fix heavy wind turbine components to the deck of sea transport vessels. The range includes hydraulic torque wrenches, bolt tensioners and cylinders.



## LOW-HEIGHT SKIDDING SYSTEM

Enerpac LH-Series includes low-height skid beams that can fit in tight spaces while still offering high capacity when picking up a load from below. We also offer a track support for added rigidity when the surface is not fully supported.



Visit [WWW.ENERPAC.COM/WIND](http://WWW.ENERPAC.COM/WIND) for the complete range of Enerpac Wind Brochures.

## WIND TURBINE MANUFACTURING SOLUTIONS BROCHURE



Enerpac lifting and machining solutions provide wind turbine manufacturers the flexibility to face these challenges and future-proof their operations for years to come. Investing in trusted, high-quality Enerpac equipment today will ensure your company is ready to take turbine manufacturing to new heights, build a more sustainable future and embrace the future of wind.

## WIND TURBINE MAINTENANCE SOLUTIONS BROCHURE



Fueled by an aging base of previously installed wind farms, maintenance programs are also growing.

Selecting the right controlled bolting tools, safety aids, cordless pumps, and training for your technicians increases turbine availability, ensures optimum efficient output and reduces risks to your business in the long term.

