



Manufacturing for extreme conditions

Solutions for Oil and Gas, upstream

Production Riser Tensioners (PRT)

In-House capabilities strengthening our solid manufacturing services

Maritime Hydraulic and its sister company MHD Offshore Group provide highly specialized tensioners for TLPs, SPARS and SEMI SUBMERSIBLES oil rigs.

We design, manufacture, commission and provide services for:

- Direct Acting Tensioners
 - [Cassette Style](#)
 - [Ten-Dome Style](#)
- [Ram Style Tensioners](#)

Production Riser Tensioner Systems design to endure

We design tensioning systems with life-cycle of up to 50 years of uninterrupted service under the most severe conditions.

REDUCED OPERATIONS COST: LESS WEIGHT IN THE RIG

We offer lightweight, utilize composite type accumulators in lieu of steel / stainless steel to save a considerable amount of weight in the wellbay.

We incorporate high strength alloys in the construction of cylinders and other tensioner components, wherever possible to save weight and decrease the footprint of the complete tensioner system.

1. Tensioner design life of up to 50 years with minimal service requirements.
2. Simplified shipboard connections , and a centralized interface for pressure , control , and monitoring systems.
3. Premium offshore finish systems on all components for extended service life.
4. User friendly monitoring / control systems, both locally and at remote facilities.

COLLABORATION AND EXTREME ADAPTABILITY

Our PRT design and Project Management Group strive to work hand-in-hand with our customers,

fully integrated with your team, working to meet or exceed all project and regulatory requirements.

You can think of us as a Boutique Engineering Firm with a very personalized service. We can design and manufacture PRT systems, no matter what style or type, to fit any application. We offer tremendous flexibility in working with your team to meet your specific requirements, while delivering on time and on budget.

HIGHER-QUALITY, TROUBLEE-FREE SYSTEMS

Our tensioners are supplied pre-assembled, and pre-piped whenever possible to minimize any interface work that is required once the tensioner system is installed in the well bay.

We typically manufacture and test all of our production tensioner system components in- house, providing a higher quality, trouble-free system while maintaining an extremely competitive price point.

Our control panel assembly is typically pre-mounted to the cassette or tensioner frame when it leaves our facility, which includes being pre-piped and pre-tested before it leaves.

The mounting interface for the cassette or tensioner frames are matched perfectly to fit the well bay, ensuring trouble free and secure installation. Our ultimate goal is to minimize installation time once our tensioner system is delivered to the rig.

SIMPLIFIED INTEGRATION, COMMISSIONING AND MAINTENANCE

A compact, user-friendly portable charging cart and hose interface kit are also supplied for system installation, start-up and maintenance. Our lightweight cart services both Nitrogen and Fluid fill requirements, and its design has been perfected over years for optimal performance.

As well as the supply and installation of our complete PRT system, we can also supply ancillary components such as the Load Ring, Spool Joint, Connectors, etc.

Offices

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MHD Offshore is a sister company of Maritime Hydraulic focused in Offshore solutions