



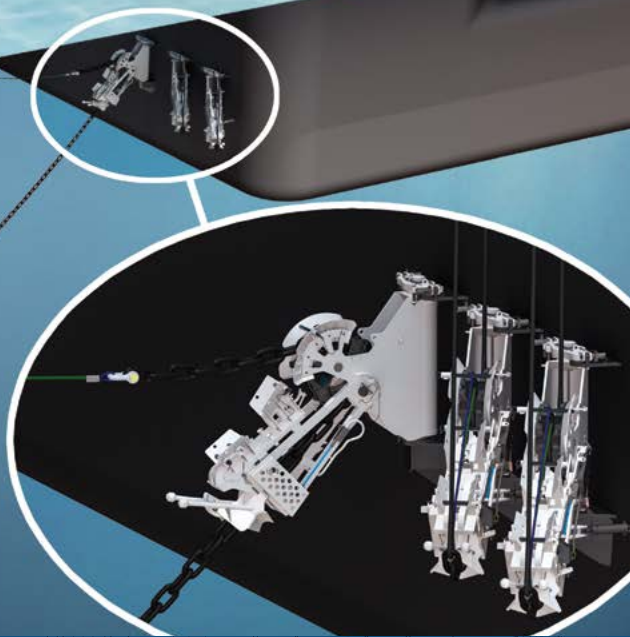
# The Offshore Industry's **MOORING SOLUTION**

The Bardex BarLatch™ Fairlead Stopper  
and BarMoor™ Quick Connector



## ADVANCEMENTS IN OFF VESSEL TENSIONING

The BarLatch™ Fairlead Stopper solution for Off Vessel Tensioning (OVT) of mooring lines uses the Anchor Handling Tug Supply (AHTS) or similar vessel to apply the tension resulting in multiple benefits.



## DO MORE WITH BARMOOR™ QUICK CONNECTORS



### Advantages include:

- Field-proven
- Reduced project risk
- Reduced installation time
- Cost effectiveness with a lightweight design
- An industrialized scale of production for mooring connectors for fast delivery
- The component parts are simple, can be produced in mass quantity and do not have highly precision machined parts, making them more reliable and less prone to fabrication defects or assembly errors.



## MEET OUR PROJECT TEAM

Bardex has the capacity to execute multiple projects simultaneously in varying stages of design, manufacturing, testing, installation, and commissioning. Our experts represent all necessary disciplines, including Engineering, Manufacturing, and Project Management to Quality Assurance/Environment Management and Documentation.

### Quality Assurance and Environment Management (HSEQ)

All locations are registered to the ISO 9001:2015 standard. Our Quality Management System has been fully documented and implemented to ensure that specified requirements are met through all phases of development, design, fabrication, installation, and after-delivery services.

Bardex manufacturing facilities maintain an Environmental, Health and Safety Management System that is certified to ISO 14001 for Environmental and ISO 45001 for Health and Safety for our facilities in the USA and South Korea.







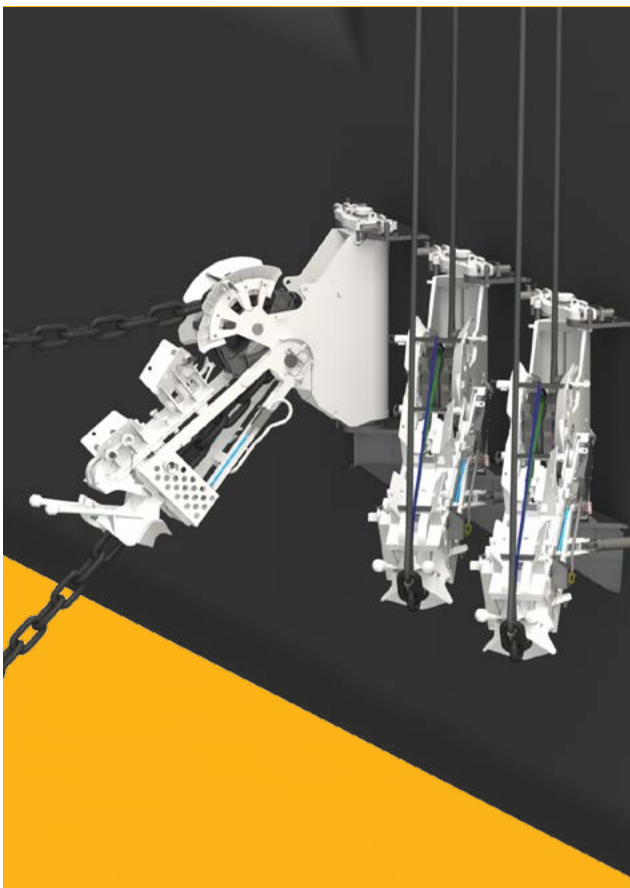
**WATCH OUR OVT MOORING INSTALLATION VIDEO.**

## **I OFF VESSEL TENSIONING (OVT)**

Bardex is proud to introduce you to our patented Off Vessel Tensioning Method – an innovative deployment method for our field-proven BarLatch™ Fairlead Chain Stoppers. Brought together, our complete solution offers comprehensive efficiency over a traditional system – requiring less operational hardware, less maintenance, and less weight.

Bardex's invaluable operational experience, combined with lessons learned from the supply of Chain Mooring Equipment for other custom-engineered heavy lift equipment packages, **assures our clients obtain technically superior equipment designs that meet or exceed all technical requirements.**

Bardex is the world's leading supplier of Chain Mooring Equipment with more than 500 units delivered. Bardex invented the Linear Chain Jack and supplied the first Linear Chain Jack mooring system in the early 1990s.



### **Capex & Opex Cost-Saving System Design**

Requires less operational hardware, a lighter structure, and less maintenance – with the added bonus of a smaller carbon footprint.



### **Shallow Water Mooring Solved**

High pretensions can be achieved in shallow water conditions (75-100m) in a controlled manner that achieves the projects goals and reduces AHTS bollard pull requirements.



### **Bardex Unique Design Features**

The full mooring spread may be pre-laid without risk of damaging the BarLatch™ Fairlead Stopper since it is attached to the Floating Offshore Wind Turbine's hull and not installed as a part of the mooring line.

OVT enables Floating Offshore Wind Platforms to be quickly connected – maximizing project execution efficiency – and quickly disconnected, saving crucial time should a catastrophic event require a floater be returned to port.

## THE BARLATCH™ FAIRLEAD STOPPER ADVANTAGE



LATCH HOUSING  
WITH STOPPER  
LATCHES

MAIN HOUSING  
WITH CHAIN  
WHEEL

- Fastest deployment
- Longest lifecycle
- Lowest operational costs
- Validated & field proven
- Superior chain control during pull-in
- No impact loading on mooring line chain links
- Improved reliability
- All structures are compact and lightweight
- Fewer moving parts
- Latches cannot be released when the chain is engaged
- Easy access and serviceability

## OUR VISION FOR THE OFFSHORE WIND MARKET

As the world's energy production methods rapidly pivot toward sustainability, Floating Offshore Wind Turbine (FOWT) Farms are on their way to becoming a major component of the Energy Sector's portfolio. Bardex is committed to this transition as an essential partner who continues pushing the boundaries of what is possible in efficiency, safety, and reliability. **One key to our success will be forging new partnerships.** We've built our name upon solving mooring problems in the Oil & Gas industry, but we look forward to a future bringing us fresh challenges and specifications resulting in a society confidently powered by Offshore Wind.



*Bardex chain jacks now lift more than ships! Following decades of service and more than 500 units installed around the globe, our chain jacks stand ready to begin their next chapter in mission-critical heavy lifting: the OmniLift™ Floater/Maintenance Vessel Launch and Recovery System.*

### Corporate Headquarters:

Phone: (805) 964-7747  
Bardex.com

### Offices in:

Santa Barbara, CA  
Houston, TX  
Busan, S. Korea

