



INTERMOOR

MOORING CAPABILITIES

an **ACTEON** company

A photograph of an offshore oil rig at sunset. The rig is silhouetted against a bright orange and red sky. A large light on the rig is glowing, illuminating the surrounding area. The rig's structure, including cranes and platforms, is visible against the horizon.

INTERMOOR. THE GLOBAL COMPANY OF CHOICE.

Deepwater mooring technology has evolved in the past 20 years, and much of the industry's progress has been pioneered by InterMoor, an Acteon company. From our patented Suction Embedded Plate Anchor (SEPLA), to the deepwater mooring record off the coast of Malaysia, to installation of the first full polyester rope mooring system in the Gulf of Mexico, to the development of our Inter-M-Swivel, to a deepwater MODU mooring record off the coast of Brazil, InterMoor continues to be the global vanguard of dynamic mooring solutions.

InterMoor's mooring services include:

- Survey and positioning
- Conventional and preset mooring
- Anchor design, provision and installation
- Supply boat mooring
- Pipeline crossing and hazard avoidance
- Temporary and permanent moorings
- Mooring and structural engineering
- Mooring analysis and data processing
- Fabrication
- Shore base services
- Mooring equipment and accessories
- Rig moves
- Marine assurance
- Special projects

Globally, InterMoor has elevated the mooring industry when it comes to Quality, Health, Safety and the Environment. InterMoor puts safety first – advocating accountability from top-level management to the dockside personnel.

InterMoor offers a single, trusted point of contact for all of your offshore mooring needs.



SURVEY AND POSITIONING. CERTAINTY AND PRECISION.

InterMoor has survey and positioning experience ranging from our core rig moving services to subsea positioning and construction support. With a proven track record of more than 20 years of experience, InterMoor operates globally in some of the world's most challenging environments and locations.

A dedicated research and development department is focused on finding cost-effective solutions for the future, while InterMoor's highly skilled workforce is committed to providing client-focused support around the clock.

We provide complete service in support of Mobile Offshore Drilling Units (MODUs) and offshore production facilities including:

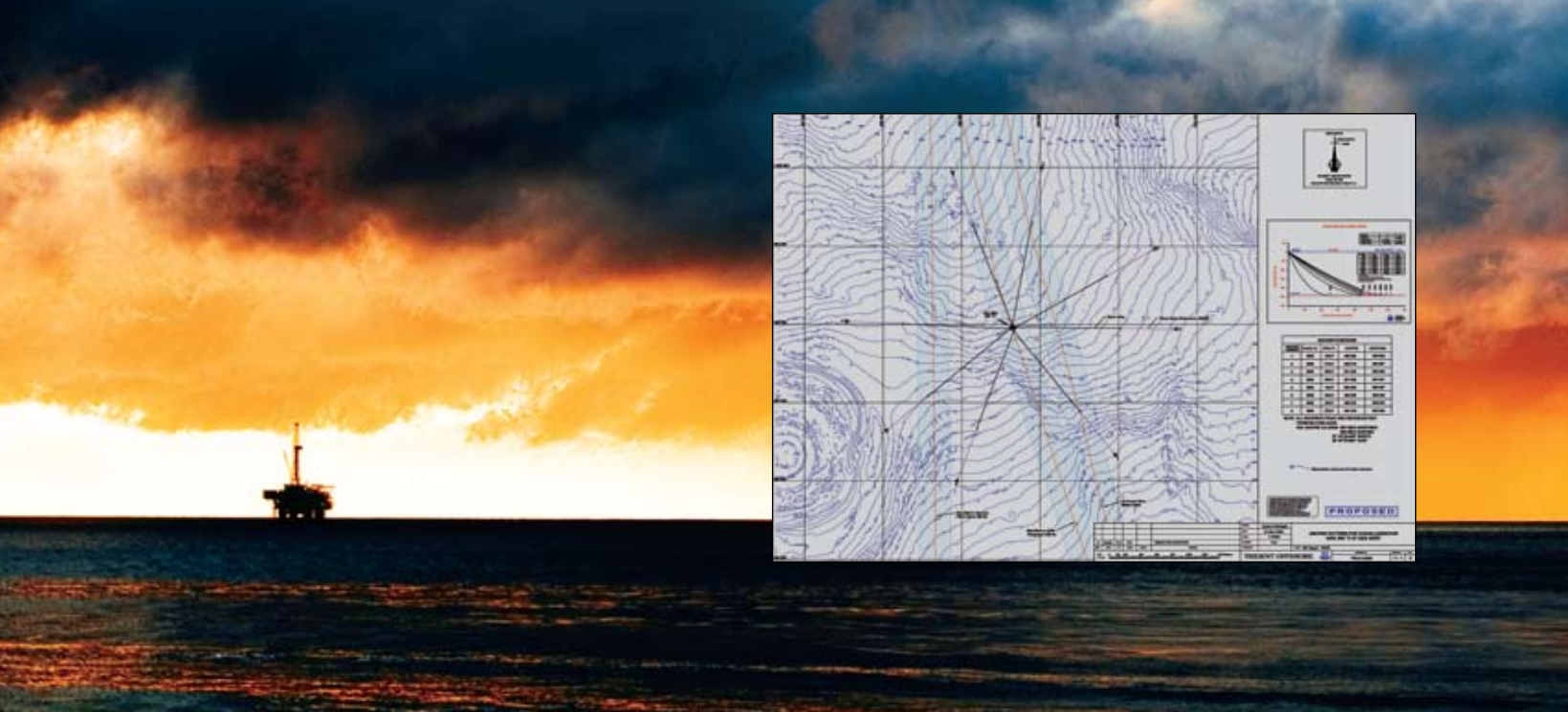
- Rig moves: semi-submersible, alongside platform jack-up and acoustic re-entry
- FPSO heading control, positioning and hook up
- Debris clearance, geophysical and seabed leveling surveys
- Data processing and interpretation, mapping and GIS
- Subsea well-head positioning

Working closely with your project team, our innovative approach provides cost-effective technical solutions for:

- Multi-vessel positioning and barge management
- All types of subsea positioning: ROV, templates and conductors
- Jumper and spool piece metrology
- Dimensional survey and industrial measurement
- Pipe and cable lay support

Our client-focused approach ensures that your survey results will be delivered with the same efficiency and quality as our offshore operations.





PLANNING YOUR MOVE OR PROJECT.

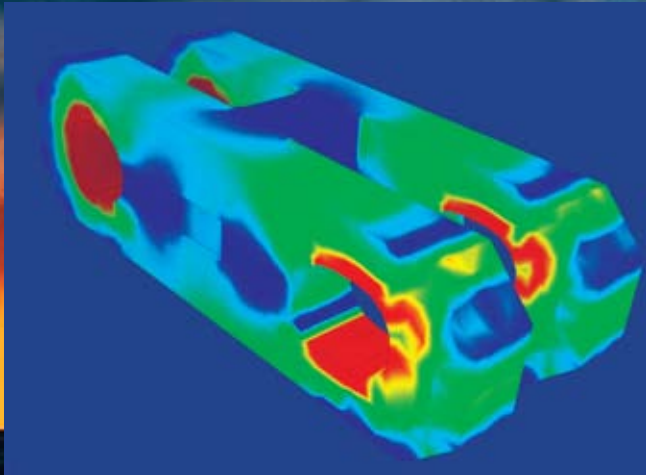


InterMoor innovation starts at the drawing board. With feasibility studies and mooring analysis, our experienced engineers can help you plan your rig move or mooring project for maximum efficiency and economy. InterMoor then guides you through the job with the kind of expert design and installation capabilities that make us the industry leader.

InterMoor's engineering capabilities include:

- Quasi-static and dynamic mooring analysis
- Anchor design
- Structural engineering
- Installation engineering
- Installation procedure development
- Dynamic lowering analysis
- Mooring operations and planning studies
- HAZID, HAZOP and risk assessments
- Field development studies
- Drafting services
- Cost and feasibility studies

InterMoor combines analytical expertise with our practical understanding of equipment and vessels to develop the best mooring solutions. Analysis techniques range from simple static mooring line installation calculations to fully coupled time domain simulations of floating structures and our moorings.



Analysis Types

- Component fit checks
- Installation equipment specification and capacity checks
- Anchor design and holding capacity evaluations
- Hydrodynamic and aerodynamic analyses
- Installation simulations
- Dynamic mooring analysis – frequency and time domain
- Fatigue analysis
- Fully coupled two-body motions, mooring and clashing analyses

InterMoor engineers actively participate in the planning, engineering, logistics, installation and recovery operations for the vast majority of our mooring projects.

When you call on InterMoor for your next mooring or subsea project, you can be sure that we will provide a comprehensive set of engineering services and experienced engineers to meet your needs.

InterMoor's extensive understanding of mooring components, installation methods and analytical simulations means we can evaluate the probability of failure, consequence of damage and the associated risk to deliver robust, reliable and cost-effective mooring systems.



FABRICATING TO MEET YOUR NEEDS.

InterMoor has the engineering capability to design and provide the most comprehensive mooring and anchoring systems. Our fabrication facilities specialize in anchor and installation aid fabrication and custom fabrication items. We also fabricate and procure all of the equipment necessary to move your rig to any location.

The full range of equipment manufactured by InterMoor includes:

- Suction Pile Anchors and Foundations
- Plate and SEPLA Anchors
- Drilling Templates
- Interface Modules
- Buoys
- Mud Mats
- Riser Clamps
- Shipping Skids
- Centralizers
- Jacking Pedestals
- Subsea Tree Frames
- Shackles
- Swivels





INSPECTION. TESTING. CERTIFICATION.

InterMoor specializes in the inspection, automated testing and certification of mooring equipment and the repair or upgrade of heavy-duty mooring systems.

InterMoor offers load testing services - up to 3,000,000 lbs – to the oil and gas industry. From its facility in Fourchon, LA, InterMoor offers quick and easy load test options on a wide variety of products – including rope, slings, chains and other rigging/mooring hardware.

With a fleet of purpose-built, mobile ChainCo chain inspection units and stud press units, InterMoor can quickly be deployed to any given location. These inspection and repair units enable studs to be pressed and replaced, which results in a repaired and certified chain, rather than a costly replacement. With mobile units based in Africa, Canada, Norway, the UK and the USA, and experienced inspectors available on location within 24 hours, InterMoor can provide a rapid and cost-effective service, both on- and offshore.



InterMoor offers a unique service for permanently moored systems and floating storage, production and offtake facilities that precisely measures chain while on location.

ChainCo is accredited with a Manufacturing Survey Arrangement that enables the company to work independently under DNV rules.



MOBILIZATION MADE EASY.



Whether your company moves to the shallow waters of the North Sea or to the ultra-deep waters of Brazil, secure your investment with InterMoor.

With superior technology, a right first-time approach to execution and a world of experience, InterMoor can provide all the people and equipment necessary to move your rig safely, professionally and cost efficiently.

InterMoor's professional rig move management service includes:

- Rig Move Services
- Marine Technical Services
- Marine Consultancy
- Positioning and Survey Services
- Provision of Mooring Equipment
- Quality Vessel Owners
- Know-How from Brokers

Having InterMoor as your single-point-of-contact, you will benefit by having reduced supply chain risk, improved efficiency, less administration and reduced costs.



MOORING EQUIPMENT – RENT. SALE. MANAGE.

As the world's largest supplier of mooring equipment, InterMoor provides a complete range of mooring services from its international bases.

These services include the rental, sale and management of mooring equipment and consultancy in all types of mooring design, whether temporary or permanent.

Working with clients to develop a full range of equipment suitable for any offshore environment, InterMoor ensures that all offshore requirements of anchor, chain and wire handling are fulfilled and fit for their intended purpose.



To meet our clients requests, InterMoor is available anytime, anywhere. Through comprehensive stocks held in the major energy capitals of the world and quality controlled equipment, InterMoor guarantees reliable service.





THE DEEPWATER INSTALLATION CHOICE.



The mooring and anchor or foundation design used for mooring systems and subsea equipment plays a very important role in the lifecycle of a project or drilling operation. Consequently, InterMoor offers a wide variety of mooring, anchor and foundation solutions to meet each project's needs and requirements.

InterMoor offers a comprehensive range of mooring solutions that range from simple conventional catenary installations to taut-leg preset systems over valuable subsea infrastructure and coupled systems used to connect two or more vessels in close proximity.

InterMoor has led the industry in the use of deepwater preset moorings. With suction anchors, our patented SEPLA anchor, polyester rope and taut-leg moorings, InterMoor has dramatically improved the efficiency and depth capability of deepwater floating structures.

Most suction anchors used around the world today have been designed by InterMoor engineers. And our unique *Suction Embedded Plate Anchors* save operators more than 50 percent in total project costs.

SEPLA advantages include:

- Precise anchor location (both in plan and depth)
- Simple plate construction
- Smaller, less expensive anchors
- More efficient than suction piles
- Economical fabrication costs (a fraction of an equivalent suction pile installation)



InterMoor has designed and installed permanent mooring systems worldwide in water depths ranging from 60 to 5,300 ft., and we customize our designs to accommodate each project's installation equipment and vessels. One of our specialties is the delivery of permanent mooring systems that are installed from cost-efficient Anchor Handler Tug Supply (AHTS) boats and other non-conventional construction vessels.

InterMoor is ready to respond to all of your worldwide mooring system needs. From our offices in the United States, West Africa, Brazil, the United Kingdom, Southeast Asia and Norway, InterMoor provides mooring solutions and services for FPU's, MODU's, TAD's, barges and other floating structures.





Headquartered in the United States,
InterMoor has facilities
across the globe:

Angola

Brazil

Malaysia

Norway

Singapore

United Kingdom

United States

For more information
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