Corporate Overview

EXMAR Offshore is dedicated to the ownership and leasing of offshore assets and providing floating solutions to the production, drilling, and accommodations market. US-based EXMAR Offshore Company (EOC) is an engineering company specializing in the development of basic and detailed designs as well as engineering services related to marine vessels, ships, and offshore units. EXMAR Offshore Oil and Gas Infrastructure Services (OGIS) division operates a variety of offshore assets for both the EXMAR Group and external client owners.

EOC provides a wide range of services to the marine oil and gas industry. Expertise in engineering, project and construction management, and operation of offshore facilities means that our people can meet your needs throughout all phases of a project.

EOC has a team of highly experienced naval architects, engineers, and designers who partner with customers to design mono-hull and semisubmersible applications for offshore service vessels, floating production systems, accommodations, and mobile offshore drilling units.

With dedicated teams cooperating with its clients, EOC can develop detailed engineering and design packages for your project from concept through delivery, including drawings, shipyard construction specifications, and regulatory approval.

EXMAR OGIS services are highly experienced in shipyard supervision during construction, commissioning, and delivery as well as the day-to-day operation of ships, offshore service vessels, floating production systems, floating liquefaction, regasification, and storage units.
Delta House

EXMAR Offshore was contracted by its client, LLOG Exploration Company on behalf of its production partners, to develop the design package and provide detailed engineering of the EXMAR proprietary OPTI 11,000® hull design for fabrication by Hyundai Heavy Industries shipyard in Ulsan, South Korea. The OPTI 11,000® floating production semisubmersible (FPS) followed on the successful deployment of LLOG’s first FPS built by EXMAR, the OPTI-EX®, which is currently producing at the Who Dat development.

EOC provided overall project and construction management services for the Delta House production semisubmersible including all naval architecture and structural aspects related to the hull design, hull marine systems, and shipyard construction specifications.

EOC was responsible for the hull and topsides wave tank and wind tunnel test procedures, overseeing testing, and evaluation of test data. The completed design package includes DNV approval for construction drawings.

Following successful completion and delivery, the semisubmersible hull designed for LLOG was integrated with the production topsides at Kiewit Offshore Services (KOS) in Ingleside, Texas on-time and within budget. The facility departed from KOS in September 2014 less than 36 months from start of conceptual design. In addition, the proprietary and innovative FAST™ Riser Pull-In method developed by EXMAR was successfully implemented for the first time.

The OPTI® series of semisubmersible designs incorporate features which include EXMAR’s unique ring-pontoon, proprietary multi-sided column and flat truss-deck. Working in combination, these features create a geometric configuration which allows for a new method of riser installation, the FAST™ Riser Pull-In.
EXMAR’s FAST™ Riser Pull-In method, which reduces the actual process and time taken to connect production and export risers to the hull, is a unique industry development. This “second end” operation for riser installation has been proven as efficient, safe, and reliable. Some of the tangible benefits over traditional methods include:

- Support is not required from diving teams during the pull-in phase of riser installation making it a quicker, cheaper, and safer method.

- The method allows for precise control of alignment when landing each riser through the ballasting system making the whole process more cost-effective, and reliable and with substantially reduced financial risk.

- The design is uniform for each riser and easy to modify making each pull-in quicker, requiring less equipment and manpower onboard, and reducing overall installation costs.

- The riser pull-in equipment layout and operation provides more useable deck space for the topsides facility design.

- The flexibility of the riser porch and adaptor design for virtually any riser size and approach angle means specific riser details are not needed during hull design, allowing an accelerated engineering and project schedule. Also, there are no changes to the design for future risers, so adaptors can be installed without underwater welding.
For an introduction to EXMAR's FAST™ Riser Pull-In method and an audiovisual demonstration, contact:

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At EXMAR Offshore we are driven by innovation. However, we also depend on trusted partnerships to help turn our ideas into reality. The kind of partnership that resulted in the OPTI® Floating Production System. Working in close cooperation with our technology partners and clients, EXMAR Offshore developed and engineered this innovative, flexible, cost-effective production solution. Two OPTI® Floating Production Systems have been successfully installed in the Gulf of Mexico, the OPTi-EX® and Delta House in 2011 and 2014.

EXMAR Offshore’s commitment to innovation through partnership has resulted in a proven low cost, high-efficiency, flexible production system to meet your needs.