



Management and Engineering Solutions across the Offshore Industry



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OUR MOTTO

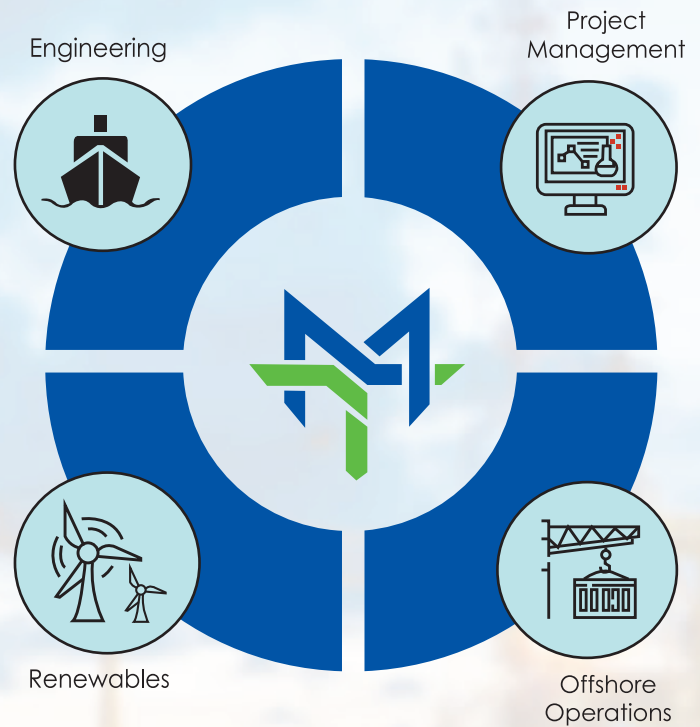
Deliver Quality Solutions in Engineering, Project Management, Marine Assets and Operations across Oil & Gas, Renewables and Shipping Industries.

ABOUT US

MarinTek though a young company but has the best-in-class workforce who have served a broad spectrum of well-known companies such as Saipem, McDermott, ONGC, ThyssenKrupp Uhde, Technip, Aker Solutions, Petrofac, etc. with diversified rich industry experience. Over the years, we have built strong ties in the offshore industry. Drawing upon the expertise we garnered, we provide both custom and standard solutions. MarinTek has been a trusted partner for various offshore installations and through the team's experiences has a solid track record in developing sound and analytical methods for offshore installation engineering operations and design of installation vessels and equipment, apart from advisory and support services in project, contract management, and training needs. We have now positioned ourselves as a partner and industry knowledge leader for such services.

OUR COMMITMENT

We are committed to working together with Clients to deliver the best, safest and most economical solution. We work closely with our customers as early as the conceptual phase of a project to ensure an ideal method and tailor-made solution are chosen. Our experience and our talented workforce are focused on developing creative solutions for offshore construction and installation projects, transforming opportunities into success.



OUR TEAM

- ✓ Naval Architects
- ✓ Structural Engineers
- ✓ Pipeline & Flexible Engineers
- ✓ Mechanical Engineers
- ✓ Electrical Engineers
- ✓ Automation Engineers
- ✓ Welding Engineers
- ✓ Civil & Foundation Engineers
- ✓ Marine Masters
- ✓ Chief Engineers
- ✓ Project Control Engineers
- ✓ Contracts Engineers
- ✓ HSE Engineers
- ✓ QC Engineers
- ✓ CAD Operators



AREAS OF EXPERTISE

CONCEPTUAL & FEED ENGINEERING

- Pipeline & Subsea components
- Offshore Platforms
- Berthing and Mooring systems
- De-commissioning
- Ship Model Test
- Vessel Design & Upgrades
- HSSE Engineering

DETAILED ENGINEERING

- Structural Design & Verification
- Foundation & Geotechnical
- Corrosion and Material
- Welding and ECA
- Pipeline design & Flow Assurance

INSTALLATION ENGINEERING

- Methods: Pipe/Cable-laying, Lifting, De-commissioning, subsea, etc.
- Design of Mooring systems
- Analysis: Pipe/Cable-laying, Lifting, Mooring, Stability of vessels/structures
- Transportation Analysis, sea-keeping, workability
- Structural Verification and FEM Analysis
- Cutting Methods

PROJECT MANAGEMENT

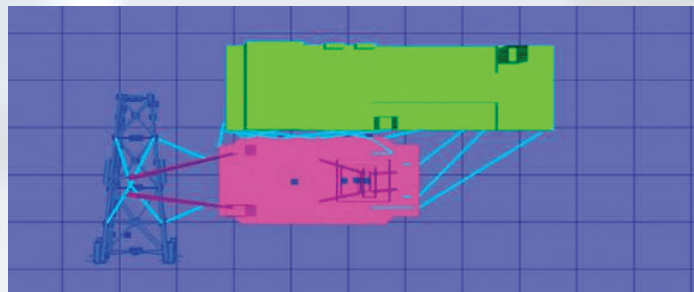
- Organisation and Management of the Engineering team
- Engineering verification
- Asset Management and Supervision by Experts (Onshore / Fabrication yard / Offshore)
- Interface Management
- Contract and Consultant Management
- Sub-contract Procurement services
- Project Control – Planning, Schedule, Progress, Reporting and Cost
- Risk Assessment
- HSE Management / Safety Engineering
- Document Control and Secretarial works

ASSET ENGINEERING

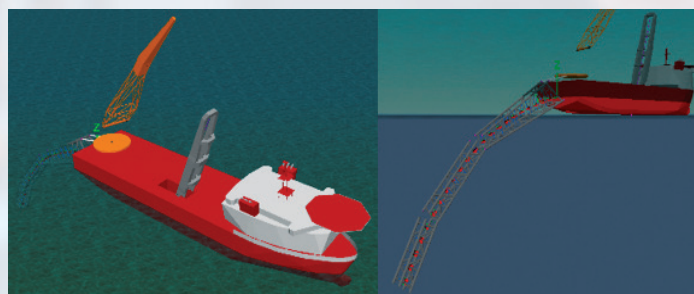
- Maintenance of Vessels & Equipment
- Vessel and Equipment Upgrades
- Vessel Audit
- Digitalization of Production Process
- Equipment Integration, commissioning, follow up

OPERATIONS ENGINEERING

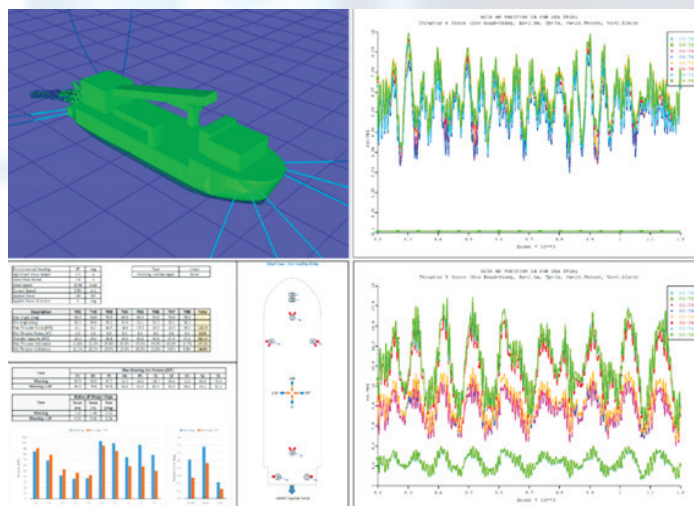
- Diving / ROV Procedures
- Surveying, Trenching, Dredging procedures
- FPSO Mooring & Hookup
- Pre-commissioning of pipelines
- Commissioning, Hook-up of offshore facilities



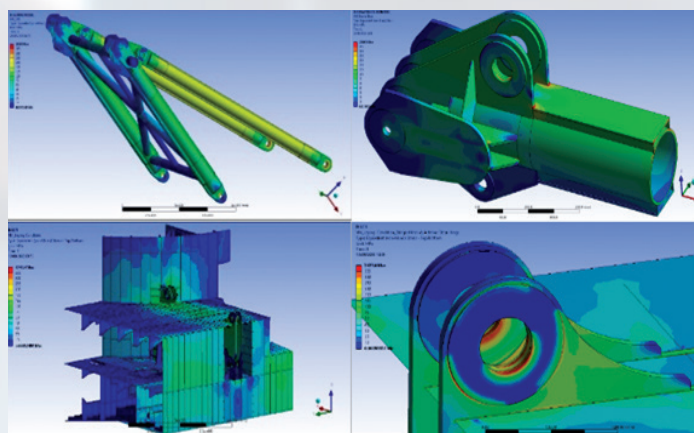
Structure Installation in Dynamic Position Tandem (MOSES)



Pipelay Vessel-Stinger Modeling (OrcaFlex)



DP Assisted Mooring Analysis (MOSES)



FE Checks for Stinger A-Frame Upgrade (ANSYS)



Stinger Member Structural Checks



KEY PROJECTS EXPERTISE

Installation Engineering & Verification of Detailed Engineering

Baltic Sea, 48" pipelines (Lines 1 & 2) using pipelay vessel (approx. 150 km)

Black Sea, Offshore Romania, Engineering for construction & installation of 1 fixed offshore platform (Jacket 1300t/Topside 1400t), 2 pipelines (16" with HDD & 8"), 1 subsea umbilical and 1 subsea wellhead structure

Black Sea, Offshore Romania, Removal by reverse float over and transportation of the Jack up Rig (weighing 10000 te) back to harbor onboard a transportation vessel.

Eastern Mediterranean, Israel, Transportation of Module (800t) and installation on to FPSO by heavy lift crane vessel in DP Tandem mode

Offshore Greece, 1 fixed offshore platform (Jacket 800t / Topside 1300t), 3 pipelines (10", 2 x 6"), 1 subsea umbilical. (Demolition Jacket 700t, Demolition Topside 150t) and 8" offshore pipeline

Asset Engineering

Azerbaijan and India, Onboard Vessel Audit and OCIMF reporting for pipelay vessel in Azerbaijan and India

Germany, Conceptual engineering for installation of mooring system on pipelay vessel

Germany, Configuration of real time pipelay monitoring software using OrcaFlex (including on-board support) for pipelay barge

Las Palmas, Stinger Monitoring System development & installation for pipelay barge

Romania, DP tandem mode verifications and vessel interconnection system design for two vessels in tandem

Romania, Detailed Asset Engineering for mooring system installation on Cargo barge for utilization during reverse float over for the project

Operation Support

Baltic Sea, 48" Pipelay installation pipelines (Lines 1 & 2) using Pipelay vessel (approx. 150 km). (Including offshore operation support)

Black Sea, Offshore Romania, Installation of 1 fixed offshore platform, 2 pipelines (16" with HDD & 8"), 1 subsea umbilical and 1 subsea wellhead structure

Black Sea, Offshore Romania, 10,000t Jack up Rig removal and transportation back to harbor onboard a transportation vessel

Bids and Tenders

Angola Offshore, EPCI for CBM terminal including PLEM and pipelines to shore facility

Angola Offshore, Extension of the life of FPSO facilities by 10 years

IRAQ, Transportation and Installation of Jackets, Topside, bridges, SPM, PLEM, Spools, Subsea Cables and E&I Containerized Rooms

Russia, Dismantlement of existing SPM and Engineering, manufacture and installation of two systems of single-point moorings (SPM's) comprising MWBT, anchor chains, suction anchors, double-carass subsea and floating hoses and the mooring equipment

Russia, Installation analysis of 16", 20" and 32" pipelines up to 235 m WD (arctic conditions), including feasibility studies with different lay vessels

Senegal, Preliminary feasibility of the proposed installation configuration concerning FSRU berthing concepts, FSRU mooring scheme, Design of FSRU marine terminal and layout and Design & installation of 10" gas pipeline linking FSRU and the onshore plant

South Korea, Transportation plan of LNG-FSU 250,000 te Gr.wt from Shipyard in SE Asia to Russia and Route Study

UAE, Installation engineering for 20" line (125 km)



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