

FMV Global
Marine & Offshore

COMPANY OVERVIEW

Design & Engineering

Oil & Gas | Marine | Renewables



About Us

FMV Global Marine & Offshore LLC is a Dubai based engineering consultancy providing services to the marine, oil & gas and other industrial sectors in the field of design and engineering for both onshore and offshore sector.

Our main area of services are as follows:

- Subsea Engineering (Civil and Structural)
- Pipeline Engineering
- Marine and Naval Architectural Design
- FPSO/FSO/FSRU/FLNG Engineering
- Jacket Structure Design
- Jackup Structure Design
- Mooring Analysis
- Foundation Design
- Structural Design of Construction Modules
- Fabrication Services

Subsea Engineering

Our main area of services are as follows:

- Design of Underwater, Pre-Cast Crossing Bridges in very weak soils including Geotechnical design and structural design
- Long-term Settlement Estimation of Underwater Concrete Mattresses & Grout Bags
- Design of Underwater Pipeline Crossing Concrete Support in very weak soils including Geotechnical design and structural design
- Crossing Mattress Stability Estimation in challenging environmental conditions

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Pipeline Engineering

Our main area of services are as follows:

- Pipe material, diameter and wall thickness selection
- Pipeline/riser routing & shore approach studies
- On-bottom stability analysis
- Allowable free span calculations
- Pipeline stress analysis
- Crossing analysis & suitable support design
- Upheaval buckling and lateral buckling analysis
- Bottom roughness analysis

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- Shore crossing analysis
- Riser flexibility analysis
- Optimisation of expansion loop configuration
- Rigid pipeline installation analysis
- Pipelay, abandonment/recovery, initiation and lift analysis
- Flexible pipeline installation analysis
- Mooring analysis and anchor tensioning analysis
- Integrity and maintenance design



Naval Architecture

Our main area of services are as follows:

- Naval Architectural Calculations
- Vessel conversions and up gradation
- Inclining tests and lightship surveys
- Anchoring and mooring system design
- Crane and lifting analysis
- Deck planning and sea-fastening design

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FPSO/FSO/FSRU/FLNG

Our main area of services are as follows:

- Topside modules structural design
- Anchor pile design analysis
- Suction pile design
- Pile drivability analysis
- Structural inplace analysis design of modules
- Fatigue analysis of modules and stools
- Transit analysis
- Preparation of weight control report, specifications and detailed drawings



Jacket Structures

Our main area of services are as follows:

- Structural inplace analysis
- Fatigue analysis (spectral & Deterministic)
- Dynamic analysis
- Pre-service analysis such as loadout
- Transportation, lift, launching, upending
- Unpiled stability analysis
- Pile drivability analysis
- Geotechnical / foundation design
- Dropped object calculation

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- Preparation of weight control report
- Preparation of specifications
- Preparation of detailed drawings
- Reassessment of the platform
- Reassessment of foundation
- Dynamic spectral fatigue analysis
- In-elastic pushover analysis
- In elastic boat impact analysis
- Jacket Repairs

Jackup Structures

Our main area of services are as follows:

- Elevated analysis (Full dynamic analysis, Quasi static analysis and static analysis)
- Site Specific Assessment of Jackups (Geotechnical Assessments and structural assessments)
- Transportation and Transit analysis.
- Leg Penetration Analysis
- Spud Can Analysis
- Preparation of Detailed drawings
- Fatigue analysis (spectral & Deterministic)
- Liaising with Classification Societies

Company Overview



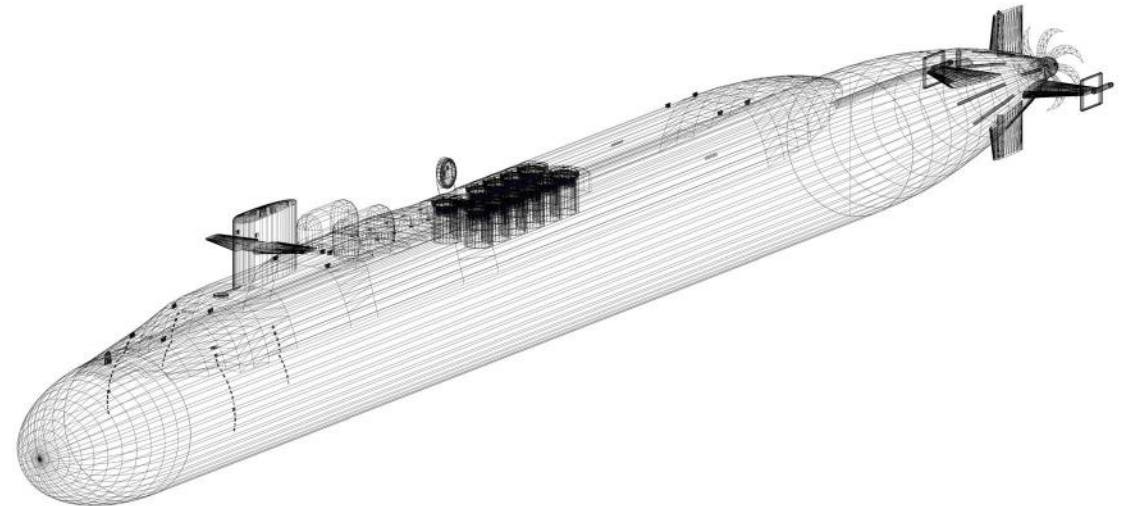
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Codes, Standards and Software

We are fully conversant with all international standards including American, British, DNV and Norsok standards and are experienced in dealing with all international classification societies such as ABS, DNV, Lloyds, BV and Velosi.

Software licensed and used by us:

- Naval Architectural Software
- SACS
- ABAQUS
- ANSYS
- Plaxis 3D
- SESAM
- STAAD
- AutoCAD
- Pipeline Analysis



Extract of Track Record

NAME OF CLIENT	PROJECT AND SERVICES
Neptune Subsea Stabilisation / MMA Offshore	Design of underwater, pre-cast crossing bridge, Merakes EPCI 2 <ul style="list-style-type: none">• Lift assessment• In-place assessment• Stability assessment• Foundation design• Mudmat & skirt analysis and design• Rigging design
Oilwell Middleast	Structural design calculation for E-houses <ul style="list-style-type: none">• Lift analysis for both modules• Trailer transportation analysis• Inplace analysis (in-service analysis)• Roof lift analysis
ADSUN Offshore Middleast	Marine and structural calculations for various diving vessels <ul style="list-style-type: none">• Anchoring systems• Mooring design• Anchoring designs
AL SHIRAWI Equipment	Design of skid mounted acid tanks to IMDG code

Extract of Track Record

NAME OF CLIENT	PROJECT AND SERVICES
BAE Systems	Electro Gas Malta –FSU (Bumi Armada) <ul style="list-style-type: none">• Design of anchor piles in rocky and sandy soils• Multi-stage piles driven and drilled & grouted piles• Interpretation of laboratory soil parameters• Development of p-y, t-z and q-z data from soil parameters• Geotechnical analysis• Structural analysis• Drivability analysis• Fatigue analysis• FEA Analysis
Oiltech India	Design of mooring piles for FPSO <ul style="list-style-type: none">• Geotechnical design• Structural design• Fatigue design• Seismic analysis• Soil liquefaction study due to seismic effect• Pile drivability analysis• FEA.
Confidential Client	Multiple Jackup spud can Foundation Checks <ul style="list-style-type: none">• Jackup spud can soil penetration & punch thru assessment.• 3D soil modelling using plaxis-3d (multiple Jackups & locations)

Extract of Track Record

NAME OF CLIENT	PROJECT AND SERVICES
BAE Systems	Detailed engineering and independent design and verification of ENI Angola suction piles <ul style="list-style-type: none">• Inverse catenary solution• Geotechnical analysis of suction piles• Fe analysis of suction piles• Verification of non-linear buckling strength• Independent design verification of installation aids
Dragon Oil	Engineering services for two jacket platforms for slot extension <ul style="list-style-type: none">• Inplace analysis• Seismic analysis• Fatigue analysis• Pushover analysis
ADANI Ports	Pipeline upgrades and new spool expansion <ul style="list-style-type: none">• Geotechnical assessment• Pipeline design• Pipeline stability design• Freespan design• Connection and spool design

Thank you

We look forward to working with you on
your next project