



Oilfield and offshore construction: Pipeline laying, Drilling/ production platform, riser, SBM, jacket, cable laying

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- PT Lintech Duta Pratama (LINTECH), as independent company has flexibility to perform to any inquiries for quotation and technical submission from OILFIELD companies.
- LINTECH's offshore division is a team that consist with offshore and construction engineers and workers under Lintech's project management excellent and tightest safety regulations.
- With the strong engineering, steel fabrication, construction and shipyard backup, our engineers and drafting department produce computerized detail shop drawing for submission to production department to fabricate every type of pipe/ steel structure required by the oilfield industry - Jacket, work barges, mooring and anchor buoys, high pressure piping and pipelines (both onshore and offshore), manifolds, decks, drilling structures, rig modifications, skips, baskets, anchors and all types of structural forms.
- Upon on request, after shop fabrication on the steels, our offshore installation engineers and installation workers (welder, rigger, qc, etc) will install offshore and other locations and ensure the work is fully tested and certified before handover and our well trained people can respond quickly to

your design changes when the unexpected arises.

- The unit to be pre fabricated onshore(owned by Lintech) then the module/pipe/ structure to be transported offshore and attached to the existing platform or ocean bed.
- The work incorporated Engineering, Fabrication, Procurement and Construction including all the electrical and instrumentation supply.
- Our new facility at PACIRAN – Lamongan (LSF-Lintech Sea Side Facility) is specially designed for pre-fabricated pipes and structure, platform, jacket and other giant steel structures, effective in time and cost in handling and fabrication process, and safely loading to Lintech’s managed shipping division/ transporter and working barge with a special skidding float technique.
- As integrated shipyard and licensed ship operator, Lintech is capable to perform offshore installation smoothly under one project management lead to satisfy the complex offshore installation. The keys are the integrated engineering, fabrication yard/ shorebase, installation division and working ship operator along with proven project management.

On offshore projects, Lintech is capable in providing the following services:

- Installation of Subsea Pipelines, Risers, Tie-ins & SBM/ SPM
- Submarine fiber optic cable laying
- Installation Engineering & Project Management assistance
- Subsea Pipeline Repair Consultancy Services
- Inspection, Maintenance and Manpower for offshore plant
- Pipeline & SURF Design Brief and Design Review
- Pipeline sizing and Hydraulic Analysis
- Pipeline & SURF route survey studies
- Route optimization & Crossing design
- Pipeline Crossing Drawings for Rigid Lines
- Plot plan and alignment sheets
- Pipe wall thickness design

- Seabed stability calculations and design
- Design of concrete weight sinker, manufacture and installation
- Preliminary pipeline installation method analysis
- Static and dynamic pipe laying stress analysis
- Pipeline buckling analysis / Allowable span analysis
- Steady State Hydraulic Analysis of multiphase piping/pipelines
- Riser/Clamp design& Drawing / Riser stress analysis, fabrication and installation
- Riser span & flexibility analysis
- PLEM pile ballast calculations
- Trenching/post lay stability and sinker design, manufacturing and installation
- Pigging Facilities Design, fabrication and operation
- Welding quality test by phased array UT
- Cathodic protection design and installation
- Davit lift and tie-in analysis including spool piece installation
- Design and fabrication of construction tools
- Quasi-static analysis during Shore pull & Pipe Lay Operation
- Material and work specifications in manufacturing data report
- Cable stability requirement assessment
- Pipeline Expansion Analysis
- Pipeline Stabilization Mattress Design
- Pipeline & Riser Anode arrangement Drawings
- Pipeline abandonment & recovery Analysis
- Pipeline Start up & Termination Analysis / Installation methodology
- Mooring Analysis, Design of outfall Subsea Pipeline system
- Barge stability analysis & ballast analysis & material study
- Detailed engineering, fabrication, and transport, for large diameter trunk line, infield lines, spur lines, risers including associated Structural analysis







