

# Engineering and Fabrication

## Costs and Supply Chain

S&P Global Commodity Insights' Costs and Supply Chain capabilities help oil and gas operators and their suppliers make the best strategic and tactical decisions in the equipment markets by providing detailed segment analysis and costs forecasts. Engineering and Fabrication focuses on supplier capacity, project demand and both underlying cost drivers and competitive dynamics for fabrication yards, engineering services and construction labor in key markets.

Deliverables	Market Analysis Scope	Associated Data	Associated Cost Models
<b>Engineering Services</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	Engineering both pre- (conceptual studies and FEED) and post- (detailed engineering and project management) project sanction	Spend by pre/post sanction, segment and region; Engineers global supply/regional demand; contractor financials; buyer frame agreements	Global engineering salaries
<b>SO/FPSO</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	Construction of new-build units, existing unit upgrade/retrofit, tanker conversion. FPSO leasing sub-segment	Project list and tracking; Spend by region/type; Contract award/installation; ard profiles	FSO Newbuild ( South East Asia); FPSO Newbuild (West Africa), Hull Conversion (North Sea), Hull Newbuild
<b>Floaters (Semi, TLP, Spar)</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	Construction of production semisubmersibles, TLPs and spars, focusing on hull fabrication and topsides integration	Project list and tracking; spend by region type; contract award; market share by supplier and buyer; yard capacity	TLP, Spar, Semi (EPC), Semi (Hull only)
<b>Topsides Fabrication</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	Fabrication of new topsides for all offshore production, process, accommodation, utilities and wellhead facilities	Demand mt / \$ spend; visible demand / forecast; demand by yard and buyer; project listing	Topsides Fabrication; Topsides EPC
<b>Jackets Fabrication</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	Fabrication of new topsides for all offshore production, process, accommodation, utilities and wellhead facilities	Demand for jackets and piles in mt, EPC in \$; Supply of jackets including piles in mt; regional breakdown	Steel Jacket fabricated in Southeast Asia
<b>FLNG Fabrication</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	EPCI of the floating structures needed to receive, treat, regasify, store and export natural gas in liquid form	Project list and tracking; Contract award; spend; regional breakdown	Newbuild FLNG

<b>Deliverables</b>	<b>Market Analysis Scope</b>	<b>Associated Data</b>	<b>Associated Cost Models</b>
<b>LNG Liquefaction Facilities</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	EPC of the facilities needed to receive, store, and liquefy LNG for export	Project list; EPC demand (mtpa) and spend (USD) by region	LNG Liquefaction facility (labour & management costs based on global project distribution)
<b>LNG Regasification Facilities</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	Marine terminal site civil engineering and EPC of onshore facilities to receive, regasify, store and export natural gas	Project list; EPC demand (mtpa) and spend (USD) by region	LNG Regasification facility (labour & management costs based on global project distribution)
<b>Onshore Production Facilities</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	EPC of facilities for the basic processing/conditioning of crude oil and raw natural gas, fed by off-/onshore field productions	Spending on onshore production facilities, oil field development and gas processing facilities by region; annual project count	Representative cost trends across all types of onshore production facility projects globally
<b>Oil Sands</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr Dashboard 4x/yr	EPC of green-/brownfield oil sands mining and in-situ projects, up to the point of bitumen transportation to the upgrading facility	Project list, ownership and contractor details; spending by project type and owner; backlog/employee data by main contractor	Oil sand open pit mining Oil sands in-situ extraction
<b>Construction Labor</b> PDF-PPT-Data 3x/yr Cost Model 4x/yr	Personnel involved in construction, erection, installation and testing. Coverage: Australia, Angola, Brazil, Canada, Iraq and Nigeria	Demand / Supply (# people)	n/a
<b>Supplier/Contractor Profile</b> PDF 4x/yr	Company key figures, structure and history; corporate capability incl. key assets and projects; strategy & outlook; financial performance; latest news.  <b>Profiles</b> Aibel, Aker Solutions, Altera Infrastructure, Bechtel, Black & Veatch, Bluewater, BOMESC, Bumi Armada, BW Offshore, CCC, China Merchants Heavy Industry, Chiyoda, COOEC, COSCO HI, CSIC Offshore, CSSC Offshore, Daewoo E&C, Drydocks World, DSME, Dyna-Mac, Entrepose Contracting, Exmar, Fluor, Golar, Heerema, Hyundai HI, IHI Corporation, JGC, Jutal Offshore, KBR, Keppel, Kiewit, Lamprell, Larsen & Toubro, Linde, Maire Tecnimont, McDermott, MISC, Mitsui Engineering & Shipbuilding, MMHE, MODEC, NPCC, Petrofac, Punj Lloyd, Saipem, Samkang E&S, Samsung Engineering, Samsung HI, Sapura Energy, SBM, SembCorp Marine, SNC-Lavalin, Subsea 7, Techint E&C, Technip Energies, Technip FMC, Tecnicas Reunidas, Toyo Engineering, Wood, Worley, Yinson		
<b>Upstream Spending and Industry Trends</b>  PDF-PPT-DATA 4x/yr Dashboard 4x/yr	Comprehensive overview and outlook on spending and key cost drivers across supplier segments: – Global Upstream Spending		
PDF-PPT-Data 4x/yr	– North American Upstream Spending	Rig and Well count, Spending by category and region	
PDF-PPT-Data 4x/yr	– Industry Trends		Offshore Projects, Onshore Projects

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