



Petrovietnam Technical Services Corporation

PTSC MECHANICAL & CONSTRUCTION



Comprehensive Solutions for a Sustainable Future

- The most accomplished Main EPCIC Contractor in Vietnam provides comprehensive services including engineering, procurement, construction, transportation, installation, hook-up and commissioning for offshore oil and gas projects
- Among the Top 500 largest enterprises in Vietnam (VNR500) for 15 consecutive years
- Received numerous prestigious awards and honors from Vietnamese's Party, State, Government, and PetroVietnam; including First, Second, and Third-class Labor Medals
- Qualified as Main EPCI Contractor by major oil and gas operators worldwide

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ABOUT US

With 25+ years of experience providing services and successfully completing more than 80 projects both domestically and internationally markets; PTSC M&C has emerged as a reputed, trusted and valued EPCIC Contractor in the offshore services industry.

PTSC M&C consistently upholds the belief in the success of each project, not only contributing to the continued establishment of the prestigious PTSC M&C name but also serving as authentic evidence for the goals set by the company since its early days: PTSC M&C – The solution for the Oil and Gas industry.



|| The sustainable development of PTSC M&C to date is based on the foundation of flexible solutions, an utmost level of collaboration, an effective quality and safety control system, and maximum efforts to fulfill commitments to customers throughout project operations.||

THE O&G STRUCTURES



The Vietnam Oil and Gas Group (Petrovietnam) is a state-owned corporation operating in the energy sector, encompassing both oil and gas as well as renewable energy. PetroVietnam stands as a cornerstone unit of the Vietnamese economy, playing a pivotal role in fostering economic growth, ensuring energy security, and facilitating international integration.

To date, Petrovietnam has been growing into a fully integrated business model, ranging from exploration - production, refinery - petrochemical, gas industry, gas to power/fertilizer and petroleum technical services. As a leading corporation, the group has a key role in accelerating national economic growth, high-qualified human resources development, international integration and overseas investment.

In line with the global energy transition trend, PetroVietnam also takes a pioneering role and has a robust investment strategy to drive the energy transition process by producing and utilizing renewable energy sources in Vietnam.



Exploration & Production



Refinery, Petrochemical, Biofuel



Petroleum Services



Gas Industry



Power Generation



Renewable Energy

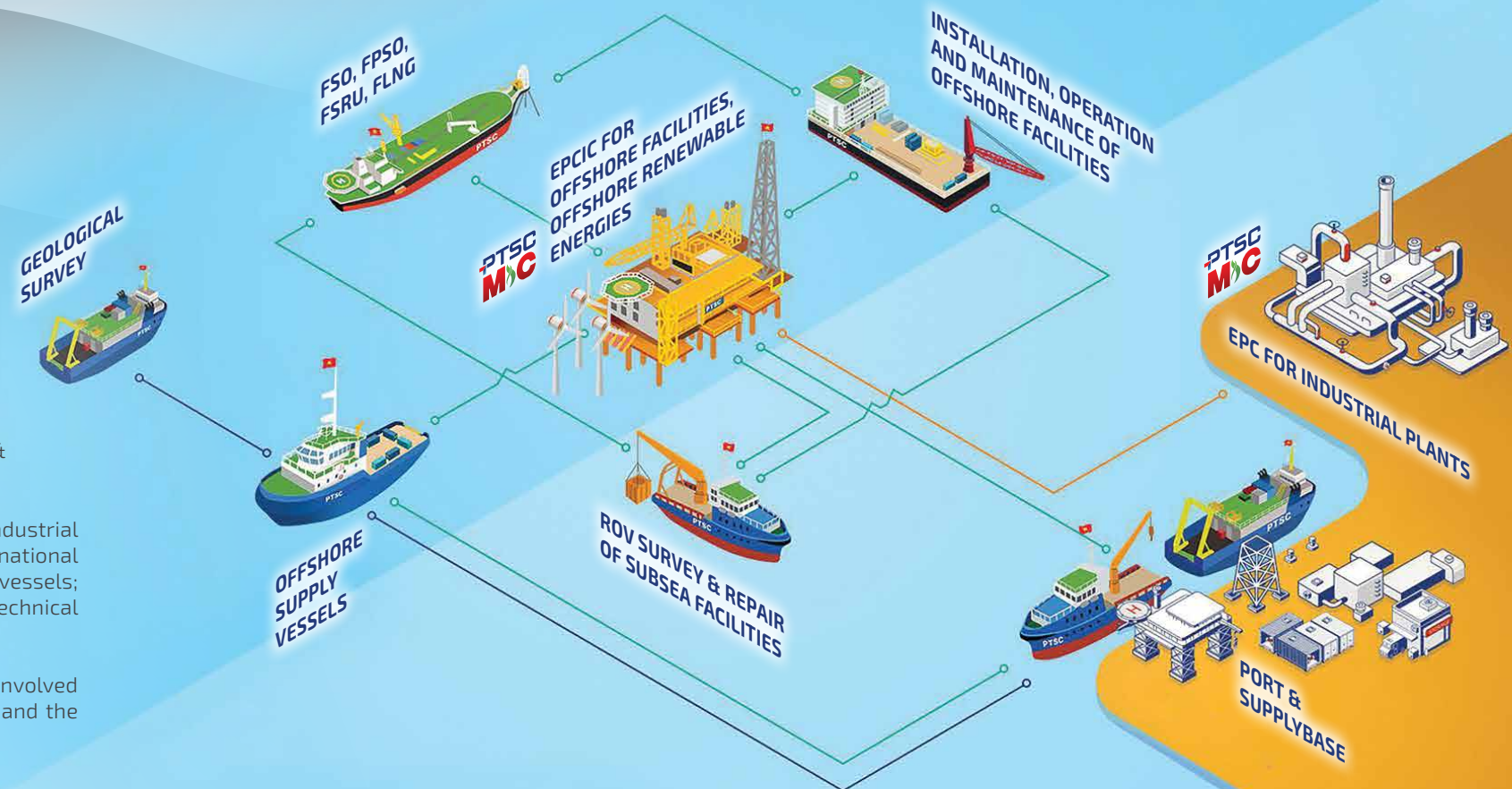


PetroVietnam Technical Services Corporation (PTSC) A Member of PetroVietnam

PetroVietnam Technical Services Corporation Joint-Stock Corporation (PTSC) is a member of Vietnam Oil and Gas Group (Petrovietnam). Throughout decades of journey, PTSC has made important breakthroughs, evolving into a leading contractor in providing technical services for oil & gas industry and other industries in Vietnam. PTSC also established itself as a prominent brand in the regional oil & gas technical service sector.

PTSC's main areas of activity include providing technical services for the oil and gas, energy, and industrial sectors; among these which are strategically important, high quality and professional approaching international standard such as: EPCIC for offshore facilities; EPC for industrial plants; FSO/FPSO; Offshore supply vessels; Geological survey; Installation, operation and maintenance of offshore facilities; Port & Supply Base and Technical manpower supply.

To adapt with the transition from traditional hydrocarbon to renewable energies, PTSC has been actively involved in the renewable energy, especially offshore renewable energy in both roles of the services provider and the project investor/developer.



PTSC M&C AT A GLANCE

THE LEADING EPCIC CONTRACTOR IN VIETNAM

PTSC Mechanical & Construction Limited Company (PTSC M&C), established on May 15, 2001, is a wholly-owned subsidiary of the PTSC Corporation. PTSC M&C is the key unit of PTSC and PetroVietnam, specializing in the provision of high-quality oil and gas technical services.

Over years of development, PTSC M&C has expanded its knowledge and capabilities, establishing itself as the foremost turn-key contractor in Vietnam; specializing in Engineering, Procurement, Construction, Installation, Transportation, Hook-up, and Commissioning (EPCIC) services for the Oil & Gas upstream-downstream and renewable energy sectors.

To date, PTSC M&C has effectively catered to both local and regional markets by completing more than 80 projects, showcasing its versatility in various types of Oil & Gas and Renewables facilities; earning high praise from customers for quality, safety, and delivery manners.

Through unwavering efforts to provide optimal solutions and elevate service quality, PTSC M&C has emerged as a preferred partner in the region. The company's reputation extends across continents, recognized by the majority of operators and contractors.

25+
years of experience

80+
completed projects

30.000 MT
of construction capacity/year

25.000 MT
largest skidway capacity



PTSC M&C AT A GLANCE

DEVELOPMENT MILESTONES

|| PTSC M&C has built and enhanced its capabilities, establishing itself as one of the most comprehensive EPCIC contractors in Vietnam and the region. PTSC M&C has successfully cultivated a reputable and reliable brand known for quality, safety, and timely delivery; and has become a dynamic and confident partner in executing complex and fast-track projects. ||

A journey to excellency

2001 Inception



Established on May 15th 2001, PTSC M&C began as modest warehouse primarily focused on pure fabrication works catering to domestic clients.

2007 Transformation



Evolve in a fabricator specializing in Oil & Gas projects and miscellaneous ventures.

2010 Development



Expanded yard facilities and capabilities to accommodate extensive fabrication.

Secured the inaugural EPCIC Contract for Production Platform Project in Vietnam.

2013 Market penetration



Committed to fostering access to international markets, successfully secured the first project in India.

2018 Recognition



Continuing to push and promote market penetration, successfully secured the first EPCIC project in the Middle East.

2020 Diversification



Proactively diversified our services and ventured into the renewable energy sector by securing the first award for substation platform for offshore wind farm in Taiwan.

PTSC M&C AT A GLANCE

OUR LEADERS



Mr. LUU DUC HOANG
Chairman



Mr. TO NGOC TU
Managing Director



Mr. LE QUANG HIEU
Deputy Director



Mr. TRAN THIEN LE
Deputy Director



Mr. BUI HOANG DIEP
Deputy Director



Mr. NGUYEN ANH DUNG
Deputy Director



Mr. NGUYEN BAO HOANG
Deputy Director



With our clear vision toward the future, PTSC M&C will leverage all its strengths in capacity and experience to remain sustainable and competitive in the energy industry.



VISION

To build PTSC M&C as an internationally trusted EPCIC contractor for the energy sector, focusing on offshore oil & gas industry and renewable energy.



MISSION

To promote benefits of clients, partners and employees towards sustainable development for the community and whole society.



CORE VALUES

People

Our most valuable asset. We foster an environment of respect, empowerment, and recognition, investing in human potential for sustainable prosperity.

Trust

The bedrock of lasting relationships. We build trust through honesty, transparency, and responsibility, always upholding our promises to customers and partners.

Safety

A fundamental principle, not just a priority. We commit to stringent safety standards and a secure working environment, ensuring well-being for all and environmental sustainability.

Commitment

The driving force of our progress. We honor and take full responsibility for our commitments to customers and partners.

Motivation

The spark for innovation and growth. We continuously pursue new goals and achievements to ensure ongoing development and success.

Collaboration

Essential for sustainable success. We build trusting relationships with partners and customers, achieving shared milestones through teamwork.

CORE SERVICES



UPSTREAM & MIDSTREAM

- Processing Platform
- Tension Leg Platform
- Wellhead Platform
- Living Quarter Platform
- Topsides Modules
- Subsea Structures
- Pipeline Transportation System
- Condensate Storage
- Modules for Transportation
- Barges/Vessels



DOWNSTREAM

- Industrial Plants
- PAU/PAR Modules
- Construction Services
(prefab, erection, construction,
pre-commissioning, commissioning...)



RENEWABLE ENERGY

- Substation Platform
- Foundations & Substructures
- Floating components



|| Throughout 25+ years of establishment and development, PTSC M&C has ceaselessly grown up to become one of the strongest members of PTSC Corporation. ||

CAPABILITIES

PROJECT MANAGEMENT



PTSC M&C currently possesses an advanced management system in compliance with international standards. With a constant focus on customer benefits and prioritizing the success of the project, PTSC M&C is willing to propose solutions and adaptable approaches to respond to continuous developments during the project execution. PTSC M&C also emphasizes the regular evaluation, analysis, discussion, and frequent exchange the information with clients on the risk management and mitigation solutions to minimize unforeseen factors that may occur during project implementation.

PTSC M&C places a strong emphasis on staying proactive in addressing the dynamic nature of projects to ensure the ultimate satisfaction of Clients' objectives and requirements for schedule, safety, quality, and efficiency for the project.



ENGINEERING



 **300+**

experienced engineers and designers working across all disciplines

PTSC M&C proudly boasts the biggest engineering team in Vietnam, comprising over 300 in-house engineers with profound knowledge and extensive experience, supported by diverse infrastructure, databases, and up-to-date engineering software. In the recent years, PTSC M&C has assumed complete control over engineering activities, undertaking all design work for major wellhead platform projects. The most notable effectiveness of this proactive approach lies in the seamless coordination and timely communication between the engineering team and other project disciplines. This ensures the prompt implementation of the procurement process, adherence to delivery time and the achievement of high-quality results. It also

facilitates close monitoring of the construction and commissioning phases, minimizing potential errors that could consume significant time and resources for rectification. Ultimately, these efficiencies contribute to maintaining and ensuring the overall project schedule to our clients.

Furthermore, the company maintains close collaboration with major engineering houses in the region such as Aker Solutions, Wood, Ranhill Worley, Technip Energies, Petrofac... to enhance the application of new technologies and innovations into the projects. This collaboration also helps to bolster the PTSC M&C's engineering resources wherever applicable.

PROCUREMENT



PTSC M&C has established a comprehensive procurement system and procedures that meet international standards and capable of satisfying all clients' requirements. The procurement team comprises professionals well-versed in global trade practices and possessing extensive experience in procurement for large-scale projects. PTSC M&C's advantage lies in its diverse network of suppliers, with strong capabilities spanning across continents. This ensures the ability to provide a wide range of materials

and equipment while still satisfying requirements for quality, delivery at competitive level.

PTSC M&C has demonstrated its capabilities in managing and executing procurement activities by ensuring timely delivery of materials and equipment in the recent projects. This contribution plays a crucial role in the overall success of projects, overcoming the challenges in the supply chain arising from market disruptions.

CAPABILITIES



FABRICATION & CONSTRUCTION

PTSC M&C operates its main fabrication yard located at the PTSC Center of Energies and Technical Solutions in Vung Tau City, situated in the southern part of Vietnam. This location is the primary oil and gas service hub in Vietnam.

PTSC Center of Energies and Technical Solutions covering an expansive area over

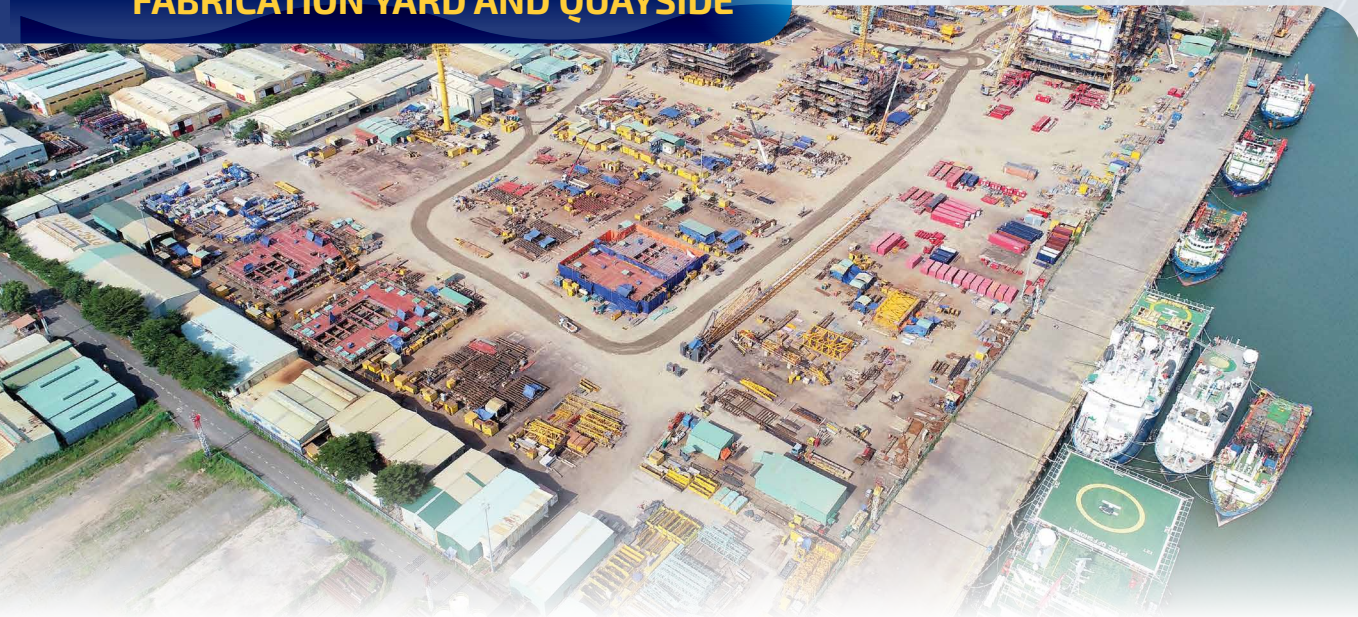
200
hectares

This location is the primary oil and gas service hub in Vietnam. Covering an expansive area of over 200 hectares, PTSC Center of Energies and Technical Solutions serves as a complex that houses supply bases, offices, and construction yards for numerous oil & gas operators and service contractors. The port is equipped with a modern seaport, providing convenient access both by land and sea.

With a comprehensive and efficient investment strategy, PTSC M&C's main fabrication yard spans over 30 hectares. It is well-organized systematically and equipped with state-of-the-art construction infrastructures. The yard features three skidways capable of supporting the fabrication and load-out of single components weighing up to 25,000 tons. Additionally, PTSC M&C is able to mobilize and utilize satellite yards in the vicinity within the PTSC Center of Energies and Technical Solutions, covering up to 60 hectares.

CAPABILITIES

FABRICATION YARD AND QUAYSIDE



30 _{HA}	60 _{HA}
Main Yard Area	Auxiliary Yard Area
80,000 _{M²}	6,000 _{M²}
Covered Workshop	Office Area
~70 _{MT/M² (Max)}	10 _{MT/M² (Max)}
Yard distribution capacity (main yard)	Jetty Distribution
500 _M	28 _M
Quay Length	Quay width
9.5-14 _M	60,000 _{DWT VESSELS}
Water Depth	Quay Capacity

SKIDWAYS

- Skidway No. 1: 104 mL x 61 mW
- 25,000_{MT}
- Skidway No. 2: 260 mL x 22/24 mW
- 20,000_{MT}
- Skidway No. 3: 26 mL
- 10,000_{MT}

ACCESSIBILITIES

- Distance to open sea:
- 25_{KM}
- Distance to city center:
- 4_{KM}
- Distance to international airport:
- 120_{KM}

Through robust training and development programs,PTSC M&C consistentlystrengthens and develops the professional skills of its workforce to meet both international standards and client requirements.

PTSC M&C's capacity to simultaneously handle fabrication throughput up to

30,000 tons per year

PTSC M&C takes pride in its experienced project supervisory and management team, along with thousands of highly skilled workers certified by international organizations and systems. Leveraging the abundant local labor force, PTSC M&C is able to mobilize additional workforce to support large-scale project implementation when required. Through robust training and development programs, PTSC M&C consistently strengthens and develops the professional skills of its workforce to meet both international standards and client requirements.

Combined with effective construction management methodologies, PTSC M&C has the capacity to simultaneously handle fabrication throughput up to 30,000 tons per year.



CAPABILITIES

OFFSHORE OPERATIONS



Through the successful execution of EPCIC projects, PTSC M&C has accumulated extensive experience in managing and organizing offshore activities, including transportation, installation, hookup, commissioning, and brownfield modifications. PTSC M&C places a strong emphasis on closely and regularly managing interfaces and exchanging information among the involved parties. This is considered a key element to ensure a harmonious, safe, quality-compliant, and timely completion of high-risk offshore operations. To date, PTSC M&C has successfully implemented various offshore installation methods, including float-over, launching, and lifting, in different geographical regions.

PTSC M&C has established a sustainable network with major installation and transportation partners worldwide, demonstrating the ability to manage risks and provide diverse installation activities for various offshore structures. The transportation and installation fleets database, together with its availability, is regularly updated and analyzed, allowing PTSC M&C to evaluate and propose the most optimal solutions that save both cost and time to clients.



SUSTAINABILITIES

ENVIRONMENTAL RESPONSIBILITIES



As an ISO 14001 certified company, PTSC M&C is consistently aware of its responsibility to protect the environment throughout the company's existence and development.



As an ISO 14001 certified company, PTSC M&C is consistently aware of its responsibility to protect the environment throughout the company's existence and development. Environmental commitments stem not only from the leadership but also from the entire staff, workers, customers, and partners working at PTSC M&C's premises.

From time to time, PTSC M&C has intensified the application of technology and technical solutions during the construction and operation processes. This includes utilizing clean energy sources, conserving electricity and water, controlling and treating pollution in waste and air... in the aim to keep the environment increasingly green and clean. PTSC M&C continues to research, invest, and implement modern technologies along with innovative solutions aimed at reducing emissions during its operations, aligning with Vietnam's and humanity's goal of global emission reduction.

SUSTAINABILITIES

SOCIAL RESPONSIBILITIES



PTSC M&C always strives to expand programs that benefit the local community, the natural environment, and community development as a contribution to the overall sustainable development of society and the company specifically.

In addition to efforts to develop and provide extensive services, PTSC M&C consistently implements community programs as a responsibility and commitment that the company has upheld since its establishment. PTSC M&C always strives to expand programs that benefit the local community, the natural environment, and community development as a contribution to the overall sustainable development of society and the company specifically.

Over the years, the company has annually donated and supported billions of dong to implement social programs such as building charity houses, giving gifts to the poor, elderly, disabled individuals, and vulnerable groups, as well as supporting people and impoverished students in Ba Ria-Vung Tau Province and other regions across the country.

PTSC M&C also pays attention to the lives of its employees through healthcare programs, regeneration initiatives, rewards, encouragement, and support for employees facing difficulties. Additionally, the company focuses on upgrading infrastructure to enhance hygiene and safety factors for employees during their work.



TYPICAL PROJECTS

Scan QR code
to see
more projects



UPSTREAM

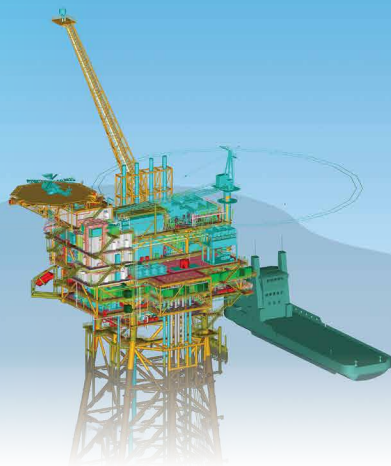
Block B Project

Client	Phu Quoc POC	
Project Location	Vietnam	
Work scope	Package 1: Fabrication Subcontractor to PTSC–McDermott Consortium	Package 2: Main EPCIC Contractor
Duration	Oct.2023 - Mar.2027	Nov.2023 - Apr.2027
Main facilities	<ul style="list-style-type: none">■ CPP Topsides: 23,000 MT■ CPP Jackets & Piles: 14,000 MT■ LQ Utility Deck: 2,500 MT■ LQ Module: 2,500 MT■ LQ Jacket & Piles: 3,200 MT■ Flare tower & bridges	
	<ul style="list-style-type: none">■ WHP Topsides (04 nos): 4,500 MT■ WHP Jackets & Piles (04 sets): 8,000 MT■ Approx. 50km for infield pipelines	



UPSTREAM

Lac Da Vang – A Project



Client	Murphy Cuu Long Bac Oil	
Project Location	Vietnam	
Work scope	Main EPCI Contractor	
Duration	May.2024 - Sep.2026	
Main facilities	<ul style="list-style-type: none">■ LDV-A Platform Topsides: 6,000 MT■ LDV A Platform (Jacket & Piles): 4,000 MT	



RENEWABLE ENERGY

Fengmiao OSS Project

Client	Copenhagen Infrastructure Partners	
Project Location	Taiwan (China)	
Consortium Partner	Semco Maritime	
Work scope	Main EPCC Contractor	
Duration	Oct.2023 - Jul.2026	
Main facilities	<ul style="list-style-type: none">■ OSS Topsides: 3,300 MT■ OSS Jacket & Piles: 8,400 MT	



RENEWABLE ENERGY

Baltica 02 OSS Project

Client	PGE Group and Orsted	
Project Location	Poland	
Consortium Partner	Semco Maritime	
Work scope	Main EPCC Contractor	
Duration	Jun.2023 - Jul.2026	
Main facilities	<ul style="list-style-type: none">■ 04 OSS Topsides: 12,000 MT■ 04 OSS MSFs: 2,000 MT	

TYPICAL PROJECTS



RENEWABLE ENERGY

Hai Long 2 & Hai Long 3 OSS Project

Client	Hai Long Offshore Wind	
Project Location	Taiwan (China)	
Consortium Partner	Semco Maritime	
Work scope	Main EPCC Contractor	
Duration	Jul.2023 - Mar.2025	
Main facilities	■ 02 OSS Topsides: 6,500 MT ■ 02 Jackets & Piles: 14,000 MT	



UPSTREAM

Gallaf Batch 1 Project (EPCI2)

Client	North Oil Company	
Project Location	Qatar	
Work scope	Main EPCI Contractor	
Duration	Nov.2018 - Mar.2021	
Main facilities	■ 03 WHP Topsides: 9,000 MT ■ 03 bridges: 3,000 MT	



UPSTREAM

Gallaf Batch 3 Project

Client	North Oil Company	
Project Location	Qatar	
Work scope	Main EPCI Contractor	
Duration	Jun.2021 - Jul.2024	
Main facilities	■ EPCI5 (Main Contractor): 02 WHP Topsides (8,600 MT) and 02 Jackets & Piles (11,000 MT) ■ EPCI6 (Subcontract under DSME): fabrication for CPP Jacket (12,000 MT) and Bridge (1,000 MT)	



UPSTREAM

Sao Vang & Dai Nguyet Project

Client	Idemitsu Kosan Co., Ltd. (IKC)	
Project Location	Vietnam	
Work scope	Main EPCI Contractor	
Duration	Nov.2017 - Oct.2021	
Main facilities	■ Sao Vang CPP Topsides: 15,500 MT ■ Dai Nguyet WHP Jacket & Piles: 8,700 MT ■ Sao Vang CPP - Jacket & Piles: 16,500 MT ■ 13km for Infield flexible pipeline, export pipeline; 10.4km subsea cable; ■ Dai Nguyet WHP Topsides: 1,500 MT 26" SSCV valve	

TYPICAL PROJECTS



UPSTREAM

Maharaja Lela South MLJS-3 Project

Client	Total E&P Borneo B.V.	
Project Location	Brunei	
Work scope	Main EPCC Contractor	
Duration	Jan.2014 – Jul.2015	
Main facilities	■ MLJS-3 WHP Topsides: 1,600 MT ■ MLJS-3 WHP Jacket & Piles (fabricated in Brunei): 2,500 MT	



UPSTREAM

Su Tu Trang FF (Phase 1) Project

Client	Cuu Long JOC	
Project Location	Vietnam	
Work scope	Main EPCI Contractor	
Duration	Jan.2015 – Nov.2016	
Main facilities	■ PIP Topsides (02 modules): 5,000 MT ■ LQ Topsides: 1,300 MT ■ PIP Jacket & Piles: 3,500 MT ■ LQ Jacket & Piles: 2,500 MT	



UPSTREAM

Heera Development Phase II Project

Client	Oil & Natural Gas Corporation (ONGC)	
Project Location	India	
Main Contractor	AFCONS Infrastructure	
Work scope	Fabrication Subcontractor	
Duration	Apr.2013 – Nov.2014	
Main facilities	■ HRD Process Platform Topsides: 8,500 MT	



UPSTREAM

Bien Dong 1 Project

Client	Bien Dong POC	
Project Location	Vietnam	
Work scope	Main EPCI Contractor	
Duration	Mar.2010 – Nov.2012	
Main facilities	■ PQP-HT - Topsides: 13,600 MT ■ Bridge: 320 MT ■ PQP-HT CPP Jacket: 11,500 MT ■ Subsea: 12" Cladded pipe x 21km, ■ PQP-HT CPP Piles: 4,800 MT 26"x3.5km, 20"x45km, 20"& 26" SSVI ■ WHP-MT1 Topsides: 3,200 MT and Umbilical, Flexible Pipelines x 6km, Subsea cable x 12km	

OTHER PROJECTS

UPSTREAM



Shwe CPP Jacket



Daman Development Project Phase 2



Te Giac Trang H1



Chim Sao



Te Giac Trang H5



Su Tu Vang 6X



Su Tu Den NE



Topaz



Su Tu Nau



Thang Long Dong Do



Bunga Orkid



Ruby B



Hai Su Trang/Hai Su Den



Su Tu Trang



Rang Dong C1/CPC-CLPP



Su Tu Den SW

OTHER PROJECTS

MODULES

ONSHORE



DBN PWN Modules



KG-DWN 98/2 LQ Jacket



OCTP FPSO Modules



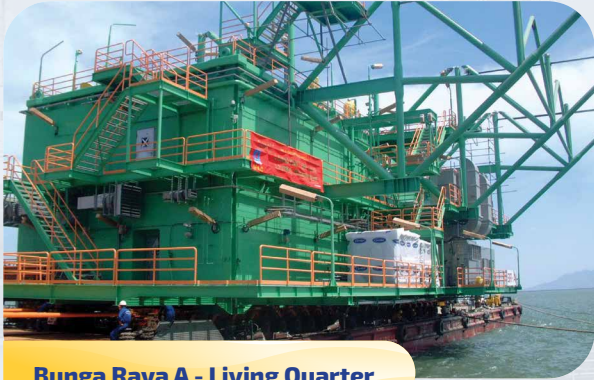
Rong Doi Booster Compressor



Lan Tay Compressor Module



NULQ



Bunga Raya A - Living Quarter



CPC/99 - Living Quarter



Long Phu 1 TPP Project



Ca Mau Gas Processing Plant



NCS Condensate Storage



NPK Fertilizer



NH3 Revamping



Nghi Son Refinery



Dung Quat Refinery



Dinh Co GPPIC

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