

Passion for Professional Services

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PTSC
PRODUCTION SERVICES
Passion for Professional Services





PPS - a reliable partner for the integrated development of offshore oil fields

Vision

PPS aims to be a reliable and strategic FPSO/FSO partner in Vietnam and South East Asia.

Mission

We provide superior solutions for FPSO/FSO and other kinds of floating production facilities services with highest dedication, integrity and commitment. Our people continuously strive to enhance reliable innovative and efficient performance for every business we do.

We commit to deliver services with safety at our heart and minimal impact on the environment.



OUR GUIDING PRINCIPLES

Professionalism

Each and every one of us is passionate for professionalism

Safety

We are committed to deliver services with highest safety standard. Our employees, partners and contractors work together to achieve zero incident workplace.

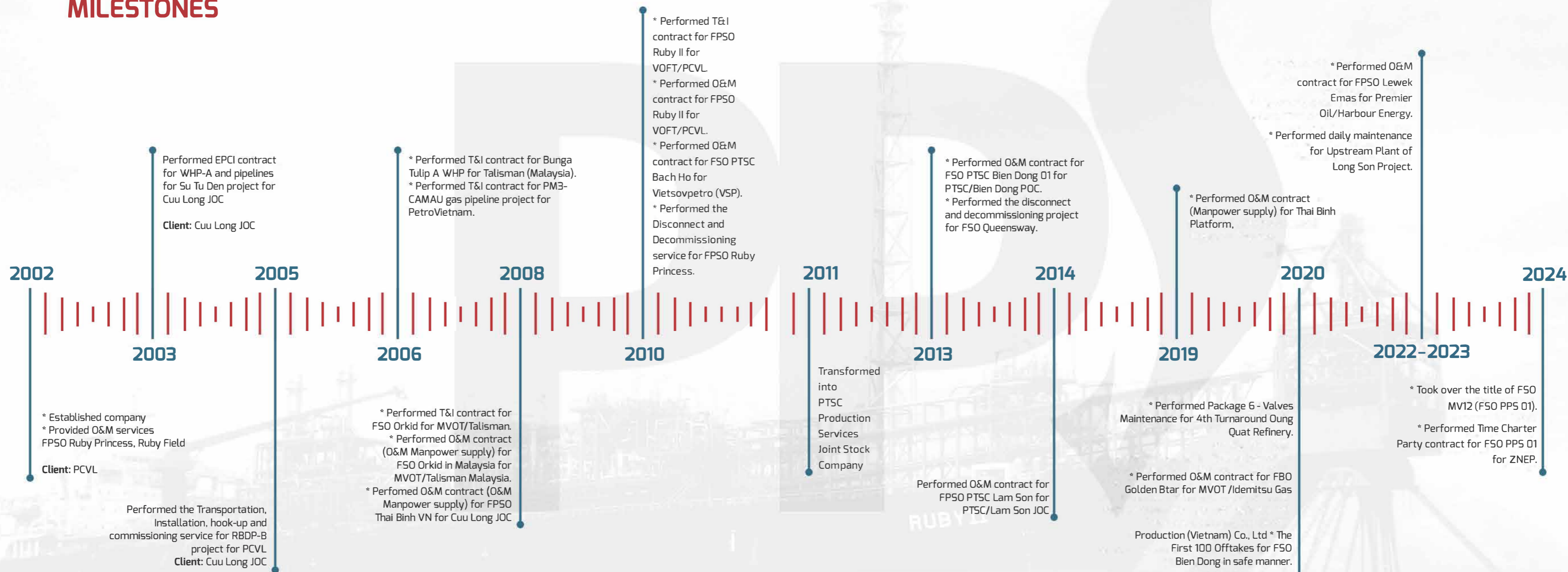
Efficiency

We constantly improve our performance, challenge the most stringent requirement of Clients and put "Excellent" as our permanent guideline in delivery our services.

Integrity

We conduct our business with high ethical standard to meet and exceed the highest expectations of Clients.

MILESTONES



**We are always passionate in everything we do to meet
the contractual requirements, where possible
exceeding the clients' expectations**

OUR CORE SERVICES

- ↳ FPSO/FSO/MOPU OPERATION & MAINTENANCE SERVICES**
- ↳ MANPOWER SUPPLY**
- ↳ ENGINEERING PROCUREMENT CONSTRUCTION and INSTALLATION (EPCI)**
- ↳ REPAIRS & MAINTENANCE SERVICES**

OPERATION & MAINTENANCE FPSO/FSO/FPU/MOPU

We pride ourselves as the leading and reliable operator of FPSO/FSO units in Vietnam



FPSO RUBY PRINCESS
Unit type: FPSO/Converted
Ship Owner: PTSC
Client: Petronas Carigali Vietnam Limited (PCVL)
Field: Ruby, Block 01 & 02
Period: From 2002 to 2010
Storage capacity (bbls): 1,000,000
Average Uptime: 100%
Max throughput: 35,000 bopd
Scope of Work:
 - Full O&M Services



FPSO PTSC BACH HO
Date of first oil: November 8, 2010
Unit type: FSO/New Built
Ship Owner: PTSC
Client: Joint Venture Vietsovpetro
Field: Bach Ho, Block 09-1
Period: From 2010 to 2011
Storage capacity (bbls): 1,000,000
Average Uptime: 100%
Scope of Work:
 - Full O&M Services



FPSO RUBY II
Date of first oil: June 9, 2010
Unit type: FPSO/Converted
Ship Owner: VOFT (PTSC & MISC)
Client: PVN Blocks 01&02
Field: Ruby/Diamond/Topaz, Blocks 01 & 02
Period: Since June 2010 and ongoing
Storage capacity (bbls): 600,000
Average Uptime: 99.96%
Max throughput: 45,000 bopd
Scope of Work:
 - Full O&M Services



FPSO PTSC BIEN DONG 01
Date of first condensate: August 7, 2013
Unit type: FSO/New Built
Ship Owner: PTSC SEA (PTSC & Yinson)
Client: Bien Dong POC (BDPOC)
Field: Hai Thach & Moc Tinh, Block 05-2 & 05-3
Period: Since 2013 and ongoing
Storage capacity (bbls): 350,000
Average Uptime: 100%
Scope of Work:
 - Full O&M Services



FPSO PTSC LAM SON
Date of first oil: June 6, 2014
Unit type: FPSO/Converted
Ship Owner: PTSC Asia Pacific Ltd. (PTSC & Yinson)
Client: PVN Blocks 01/97 & 02/97
Field: Thang Long & Dong Do, Blocks 01/97 & 02/97
Period: Since 2014 and ongoing
Storage capacity (bbls): 650,000
Average Uptime: 99.99%
Max throughput: 18,000 bopd
Scope of Work:
 - Full O&M Services



FPSO GOLDEN STAR
Date of first condensate: November 16, 2020
Unit type: FSO
Ship Owner: MVOT (PTSC & MISC)
Client: Idemitsu Gas Production Viet Nam Co., Ltd.
Field: Block 05-1b & 05-1c
Period: Since 2020 and ongoing
Storage capacity (bbls): 800,000
Average Uptime: 100%
Scope of Work:
 - Full O&M Services



FPSO PPS 01
Date of first oil: 11/2006
Unit type: FSO
Ship Owner: PTSC P5 (PPS)
Client: Zarubezhneft
Field: Rong Doi & Rong Doi Tay, Block 11-2
Period: Award to PPS's Ship Owner since 01/11/2024 and ongoing
Storage capability (bbls): 300,000
Scope of Work:
 - Ship Owner and Full O&M Services

MANPOWER SUPPLY

Along with the O&M services, Manpower supply is also one of our core services to regional Oil & Gas industry, which focuses on the FPSO/FSO and other production facilities.

We are currently providing qualified engineers, technicians and crews for the petroleum production facilities offshore and onshore, construction projects and FPSO/FSO units, as well as petroleum and petrochemical plants.

- All positions for operation and maintenance of FPSO / FSO / MOPU.
- All positions for operation and maintenance of production facilities, petrochemical and industrial plants and other oil and gas projects.

Our specialization is delivering a wide range of both expatriates and local workers at all skill levels, including the following positions:

- OIM/FPSO Master
- Supervisor (Marine/Maintenance/Production)
- Lead (Marine/Maintenance/Production)
- Technician (Marine/Maintenance/Production)
- Safety Officer
- Worker (Painter/Fitter/Rigger)
- And others positions



**Our team are dynamic and forward-thinking
in achieving the objectives of our clients**



FPSO THAIBINH-VN

Unit type: FPSO
Ship Owner: Cuulong JOC (CLJOC)
Client: Cuulong JOC (CLJOC)
Field: Su Tu Den, Block 15-1
Storage capacity (bbls): 1,000,000
Max throughput: 65,000 bopd
Scope of Work:
 • O&M manpower supply



FPSO LEWEK EMAS

Date of first oil: 10/10/2011
Unit type: FPSO/Converted
Ship Owner: Petrofac
Client: Premier Oil (Vietnam)/Harbour Energy
Field: Block 12W
Period: Award to PPS since 2022 and ongoing
Storage capacity (bbls): 670.000
Average Uptime: 99.99%
Max throughput: 58,000 bopd
Scope of Work:
 • O&M manpower supply



FSO ORKID

Unit type: FSO
Ship Owner: MVOT (PTSC & MISC)
Client: Hibiscus Petroleum Bhd.
Field: PM-3 CAA Northern Field, Offshore Malaysia
Storage capacity (bbls): 745,000
Scope of Work:
 • O&M manpower supply



THAIBINH PLATFORM

Unit type: Platform
Client: Petronas Carigali Overseas Sdn. Bhd.
Field: Blocks 102 & 106, Offshore Viet Nam
Scope of Work:
 • O&M manpower supply

REPAIRS & MAINTENANCE SERVICES

Equipped modern facilities at workshop together with high qualified personnel, PPS applies efficiently innovative solutions of repair, maintenance, modification and fabrication services that customized-fit any budget of Customers.

RANGE OF SERVICES

Structure engineering, fabrication, installation, repair and modification services

- In compliance with International Codes & Standards: AWS D1.1
- Engineers and workers have familiar and experiences.
- Qualified Welders and WPS/PQR qualified to AWS, covering full range of thickness/diameter & various kinds of material.
- Productivity: Structure fabrication: 500-900T/month

Piping, pressure vessel and storage tank engineering, fabrication, installation, repair and modification & certification services.

- In compliance with international Codes & Standards: ASME, API, ...
- Qualified Welders and WPS/PQR qualified to ASME Sec.IX, covering full range of thickness/diameter & various kinds of material.
- Productivity: Piping fabrication: 3500-5000 ID/month.

Heat exchanger maintenance & repair services.

- Supply skilled technician; standard tools/equipment for fabrication, maintenance and repair the heat exchanger, cooler.:
- Fabrication services.
- Routine maintenance services.
- Repair services (renew tubing; tube bundles.) & Testing

Rotating equipment maintenance, repair services: Diesel Engine, Diesel Engine, Power generator (STG, GTG), Air compressor and other rotating equipment.

Valves maintenance, repair, testing & certificate issued.

- Scope of valve services:
- Testing: hydraulic test, leak test, function test, performance test
- Maintenance/ Overhaul: replace spare parts, do small lapping
- Repair: recondition for stem, plug, cage, ball, gate, & lapping
- Fabricate some parts of valves for Emergency case.
- We can provide services for Turn Around, Yearly Maintenance Campaign for: Refinery, Fertilizer Factory, FPSO/ FSO...
- We can provide services for all types of Control Valves, On/Off Valves, Safety Valves (Pressure safety valves, Temperature safety valves, Breather valves, ...) & Manual Valves.

Electrical & Instrumentation installation, calibration and test services.

- Modification, installation, hook-up, test, calibration, commissioning, maintenance and repair:
- Electrical generators.
- Power transformers.
- Power circuit breakers.
- Relay protection systems.

Painting and Anti-Corrosion services: Surface preparation, Sand & shot blasting, Water jet washing, Painting...

Scaffolding services: provision of British Standard scaffolding material; qualified & experienced scaffolding personnel/foreman/supervisor.

Equipment and other utility services: OCIMF Floating Hose Maintenance & Testing; Bolt tensioning/torqueing; On-line leak sealing; Machining and cold pipe cutting; Hot tapping; High pressure water jetting.

Wind Power services:

- Solutions for maritime safety management for Wind Farm.
- Inspection, repair and maintenance services for submerged parts such as monopile structure, cable.

PPS's O&M Workshop

Location: PTSC Supply Base, Vung Tau

Covered workshop: 900 m²

Fabrication yard: 1,500 m²

Productivity:

- 900 tons structure fabrication/month
- 5,000 ID piping fabrication/month

Range of Services

- Structure and piping
- Static Equipment Services
- Rotary Equipment Services
- E&I services
- Blasting and painting
- Scaffolding
- Bolt tensioning and others.



 Address: 65A, 30/4 Street, Thang Nhat Ward, Vung Tau City

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Engineering Procurement Construction and Installation (EPCI)

Understanding of FPSO/FSO systems with many years of experience of managing capacity, technical expertise together with our strong partnership networks, PPS is assertive to offer services:

- Engineering, Procurement, Construction, Installation (EPCI)
- Offshore, Installation and Commissioning (OIC)
- Decommissioning services for FPSO/FSO

Some of our works are:

- Consultancy services during Engineering, Procurement, Construction and Installation at shipyard
- Installation, Inspection and Disconnection of Mooring system, UWILD (chain, buoy, base, etc.)
- Inspection and repair of sub-sea system (PLEM, Risers, Flow line)
- Installation of New Floating Offloading Hose
- Inspection, Repair & Replacement of Floating Offloading Hose

Procurement Services

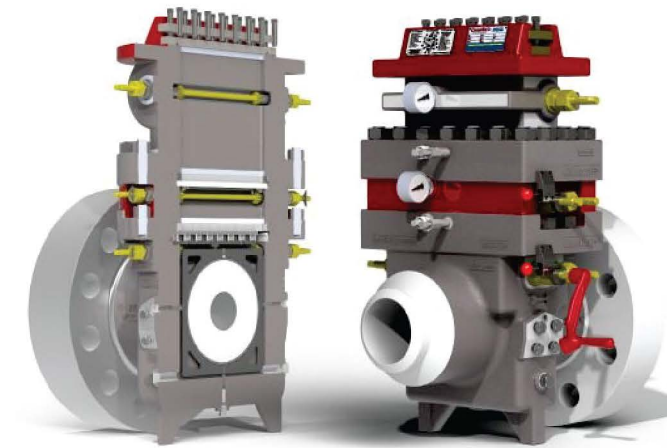
With our principal's wealth of experience and resources at procurement service for equipment/ components/ spare parts to support the full operation and maintenance of the FPSOs/FSOs which are under our management, we are capable and successful implement an efficient, effective procurement services for EPCI projects and ad-hoc supply, delivering the best value to the clients by utilizing effective procurement processes and industry best practices.



PROVISION OF 18 PACKAGES FOR THAI BINH - HAM RONG GAS DISTRIBUTION AND GATHERING SYSTEM PROJECT, BLOCK 102 & 106 - PHASE 1

CLIENT: PV GAS
PROJECT: Thai Binh – Ham Rong Project
LOCATION: BLOCK 102 & 106, Offshore Vietnam

- | | |
|-----------------------------|--------------------------|
| 1. Corrosion Inhibitor Skid | 10. Separator Vessel |
| 2. Pig Launcher – Receiver | 11. Heat Exchange |
| 3. SDV-E&I on Platform | 12. Flare |
| 4. Piping on Platform | 13. Truck Loading System |
| 5. Hot tap Flange | 14. Oily Water Treatment |
| 6. Piping on GDC-LFS | 15. ICSS |
| 7. Valves | 16. Metering System |
| 8. Fire Fighting System | 17. Electrical System |
| 9. Hydrate | 18. Cathodic Protection |



PROVISION OF CUSTODY GAS METERING SYSTEM

CLIENT: PVEP POC
PROJECT: Dai Hung Gas Gathering Project
LOCATION: Block 05-1(A), Offshore Vietnam



PROVISION OF HIGH INTEGRITY PRESSURE PROTECTION SYSTEM

CLIENT: Hoang Long JOC
PROJECT: Te Giac Trang Water Handling and Oil Production Enhancement
LOCATION: Block 16.1, TGT Oilfield, Offshore Vietnam



MANAGEMENT SYSTEMS

Our integrated Quality and Health, Safety and Environmental Management System accredited by BSI (British Standards Institution) including:

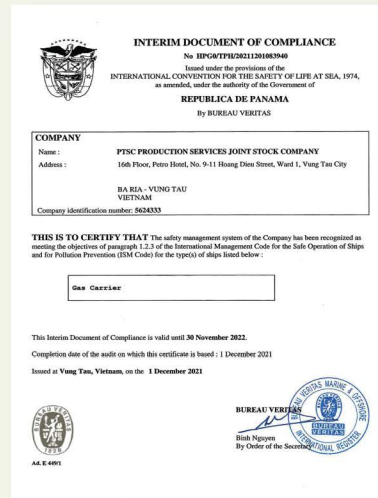
- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018

HSE Philosophy

PPS is committed to undertake its operation activities in a safe and prudent manner, adhering to international safety and operating standards

HSE Statistics

No	Criteria	2017	2018	2019	2020
1	Manhours	1,048,920	1,053,492	1,038,070	1,055,970
2	Fatality	0	0	0	0
3	LTI	0	1	0	0
4	LTI Frequency	0	1	0	0
5	LTI Severity (day lost)	0	49	0	0
6	Non LTI	1	1	0	0
7	Sick leave	0	2	0	0
8	HOC/CBS/UAUC	3,416	3,692	3,639	3,771
9	Incident	1	0	4	0
10	Fire/explosion	0	0	0	0
11	Fire Incident Rate	0	0	0	0
12	Oil spill	1	0	0	0
13	Produced water	<40ppm	<40ppm	<40ppm	<40ppm



DOC for Gas Carrier

The company's safety management system has been recognized as meeting the objective of ISM Code and certified by Bureau Veritas (BV)



Survey for Monopile structure & its components



Inspection for buried cables at landing zone



OUR CURRENT MAIN CLIENTS

