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Wison Low Emission FPSO

FPSO

Key Benefits

- 1 Provide faster and more accurate pricing during bidding
- 2 Embed project lessons learned into the standard solution framework
- 3 Pre-engineer interfaces between hull and topsides for seamless integration
- 4 Offer an one-stop, integrated solution with both topside and hull side
- 5 Minimize time in FEED
- 6 Drive continuous improvement of standard solution
- 7 Integrated EPCIC+O&M solution



FPSO Product Portfolio

Wison offers FPSO solutions ranging from 20,000 to 250,000 BOPD
Jetty moored, spread moored or turret moored
(external or internal)

01

Small Sized FPSO

Oil Processing Capacity
Less 90,000 BOPD

Topside total module weight
Less than 30,000t

02

Medium Sized FPSO

Oil Processing Capacity
90,000 BOPD~150,000 BOPD

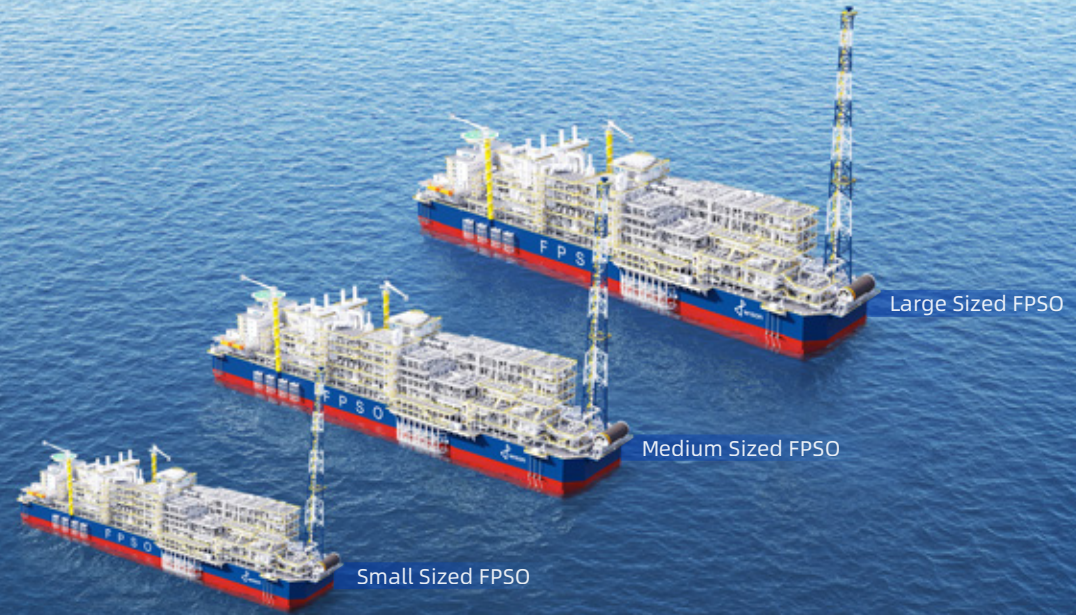
Topside total module weight
30,000t ~45,000t

03

Large Sized FPSO

Oil Processing Capacity
150,000 BOPD~250,000 BOPD

Topside total module weight
45,000t ~60,000t



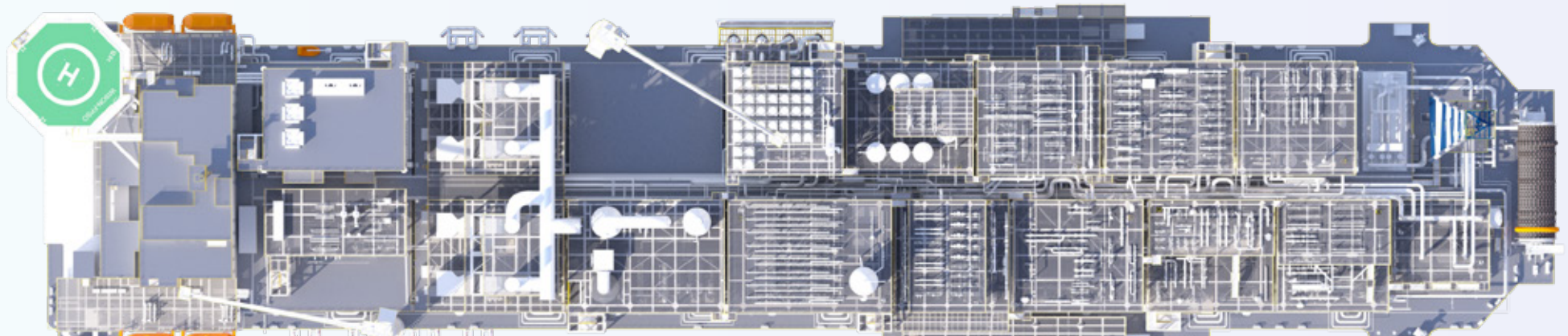
Small Sized Green and Low Emission FPSO

Hull Dimensions

↔ Length O.A	308.00 ^M	↔ Length B.P	294.00 ^M
↕ Breadth M.L.D.	57.00 ^M	≡ Depth M.L.D.	29.80 ^M
⊙ P.O.B	PERSON 120		

Topside Parameters

🧪 Oil Processing	80k ^{BOPD}	🕒 Total Liquids Production (Oil+PW)	180k ^{BOPD}
🔄 Gas Lift	20 ^{MMSCFD}	📊 Total Gas Processing (Incl. Gas Lift)	160 ^{MMSCFD}
💧 Water Injection	160k ^{BWPD}	💧 Produced Water	100k ^{BWPD}



Medium Sized Low Emission FPSO

Hull Dimensions

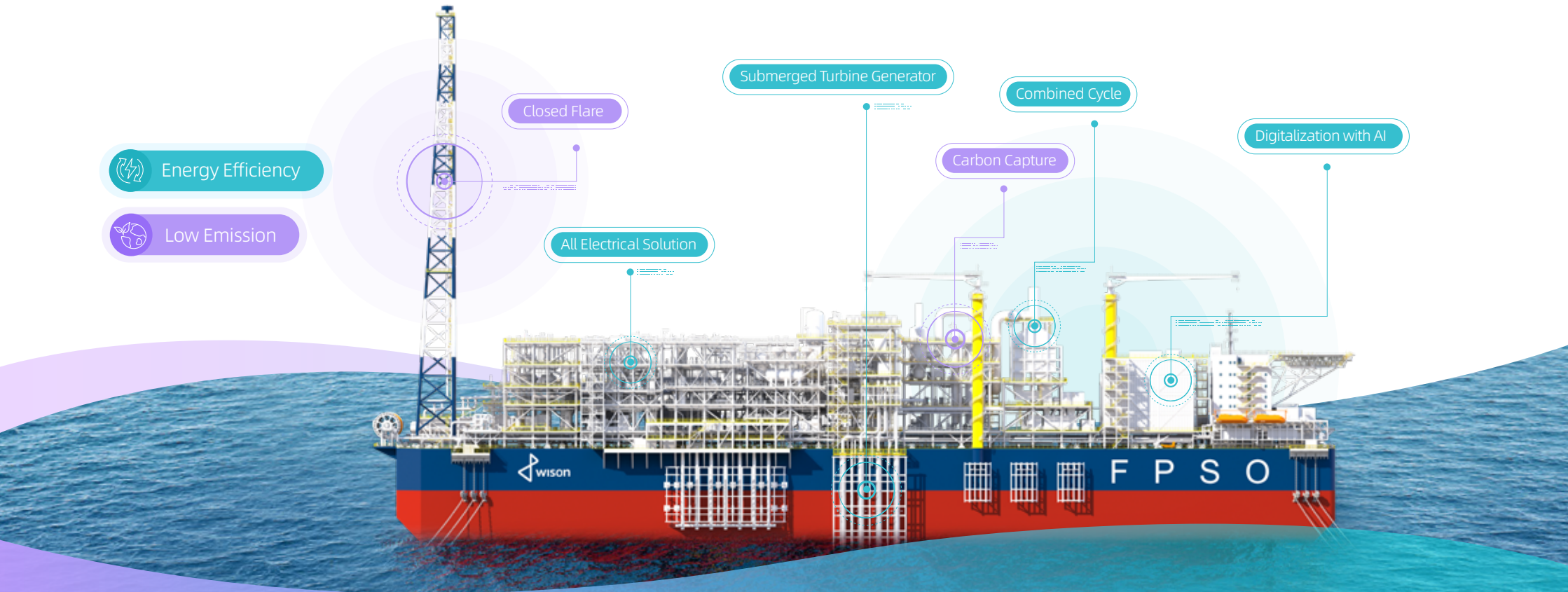
↔ Length O.A	325.00 ^M	↑↓ Breadth M.L.D.	61.00 ^M
⤵ Depth M.L.D.	32.00 ^M	⊙ P.O.B	160 ^{PERSON}

Topside Parameters

🧪 Oil Processing	150k ^{BOPD}	🕒 Total Liquids Production (Oil+PW)	210k ^{BOPD}
🔄 Gas Lift	30 ^{MMSCFD}	🕒 Total Gas Processing (Incl. Gas Lift)	200 ^{MMSCFD}
💧 Water Injection	240k ^{BWPD}	💧 Produced Water	115k ^{BWPD}



Technologies to Reduce Carbon Footprint



Carbon Capture and Re-injection Technology



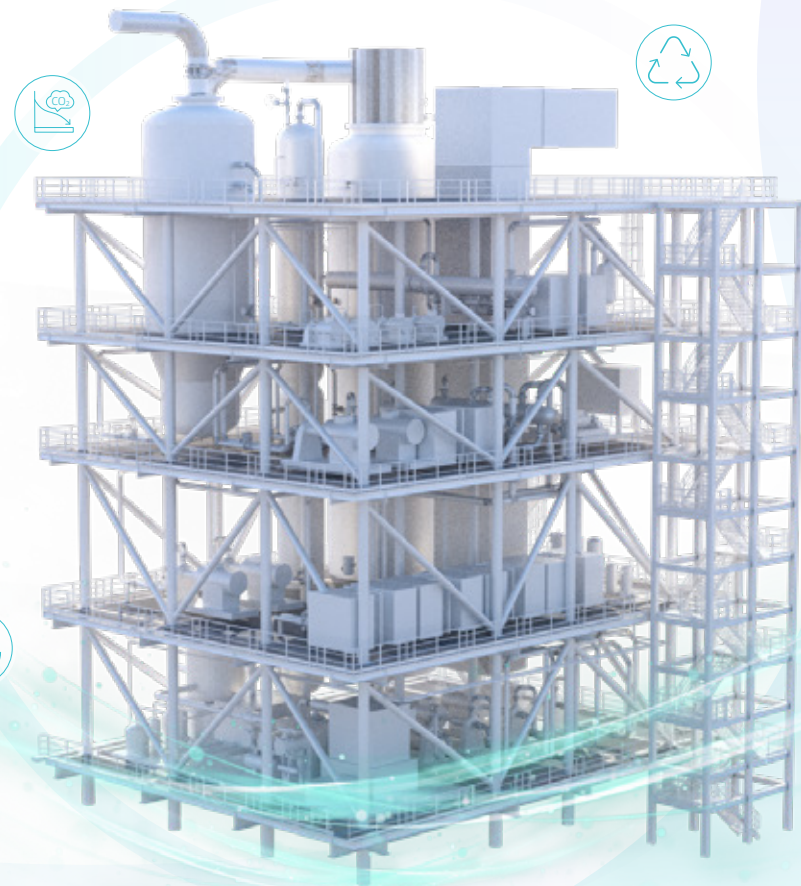
CCUS Technology Development Introduction

- CCUS module captures CO₂ generated by GTG, and captured CO₂ is reinjected into wells
- Joint with BASF to develop process system
- AIP certified by BV



Capacity

- CO₂ capture rate is 10,000 kg/h per train, with absorption efficiency no less than 85%
- With combined gas turbine cycle technology and carbon capture and CO₂ reinjection integrated, achieving a comprehensive carbon emission reduction of up to 40%
- Small module footprint and optimized energy utilization



Wison SMART FPSO

AI, Digital & Robotics Solutions investigated to help FPSO Operations



Asset Integrity management using a Hull Digital Twin to focus Inspection on critical areas



Topsides Performance Improvements using AI for predictive interventions to minimise downtime and maximise machinery availability



Robotics for inspection work to reduce POB and improve safety (tank inspection by drones, UWILD by ROV, etc)



Transfer routine analysis and reporting work from offshore to onshore to reduce POB



Wison New Energies was granted AiP by BV for innovative Smart FPSO system, validating the design's integration of advanced AI and digital technologies, such as machine learning and real-time monitoring, to enhance operational efficiency and safety.



Wison Integrated EPCIC+O&M Solution One Contractor, Providing Turnkey Services



Less schedule risk

One party, one schedule – no handover gaps



Less accountability gap

One contract, one team – O&M embedded in design. Seamless from day one



Less cost overrun

Fixed-price EPCIC+O&M – price locked at design freeze. Budget certainty, change traceability



Shanghai Head Office Engineering, Procurement & Project Management

- Feed and Pre-feed as per project specification
- Standardized design signification shortens schedule
- Detailed design up to "Issued for construction"
- LLI capability: strategic partnerships integrated with global supply chains

Nantong Yard

Small to Medium-Sized Floating Products & SPB Tank Fabrication

- Dry dock facilities, 2000T gantry crane
- SPB tank and hull can be fabricated in parallel, reducing the overall project schedule
- The world's first FLNG terminal gas test model



Qidong Yard

Large-Scale Floating Product Construction, Integration, Commissioning & Intelligent Manufacturing

- Ultra-large dock, 80,000-ton coastline, 2,400T gantry crane
- 40 smart production lines planned- a "Super Smart Factory"
- Modular design, construction and general assembly
- Yard gas trial available to greatly reduce the risk of on-site
- Site commissioning, start-up & handover to Ops

* In addition, Wison has many stable and high-quality collaborative outer resources, that ensuring the successful and high-quality delivery of projects.

Project Showcases

Project Name: Baleine Phase 3 FPSO Project

Capacity: 90,000 BOPD

Client: Eni SpA, Altera Infrastructure

Wison Work Scope: EPCIC

EPCIC Contract Award in May, 2026



Project Name: Sakarya Gas Field Phase 3 FPU Project

Gas Export Rate: 25 million SCMD

Client: Türkiye Petrolleri A.O.

Wison Work Scope: EPCIC

Topsides Fabrication Commenced in May, 2026