



FPSO WORLD CONGRESS 2023

Driving FPSO Projects On-Time & On-Budget to Optimise Market Opportunities

19 – 22 September 2023

Singapore

There is a total of 56 planned FPSO projects between 2023 – 2027, alongside an increase in energy demand and projects across the Oil and Gas sector. At the same time, global players are trying to align with societal pressures of the “energy transition” which takes time, investments and talent to realise.

There is now a huge strain on the industry’s supply chain and shipyard capacity, leading to massive uncertainties around projects that can happen. With orderbooks becoming filled and industry stakeholders struggling with limited resources, FPSO leaders are faced with the stress of getting their planned project in order. This comes alongside an added focus around ESG, with sustainability and worker welfare management taking the front seat in project strategies.

It is now ever critical for industry players to review FPSO project execution strategies, manage supply chain disruption, explore alternative financing and contracting models and effectively manage ESG requirements – all to ensure FPSO projects progress on-time and on-budget.

FPSO World Congress 2023 is the leading FPSO-focused gathering for industry players to explore best practices in integrating **ESG and sustainability** practices in evolving FPSO project execution, **contracting and financing** models; managing **yard and supply chain disruption**; and leveraging **digital tools** to achieve streamlined operations.

Agenda at a Glance:

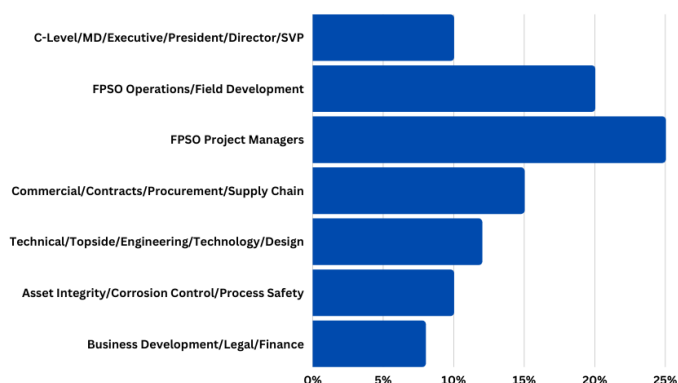
Tuesday, 19 September	Wednesday, 20 September	Thursday, 21 September	Friday, 22 September
FPSO 101: Commercial Project Fundamentals	<ul style="list-style-type: none">FPSO Market IntelligenceNavigating Supply Chain Disruption	<ul style="list-style-type: none">Sustainability, ESG & FPSO Execution ModelsDigital Tools & Low-Manned Vessels	FPSO AIM and Lifecycle Extension

Key Themes:

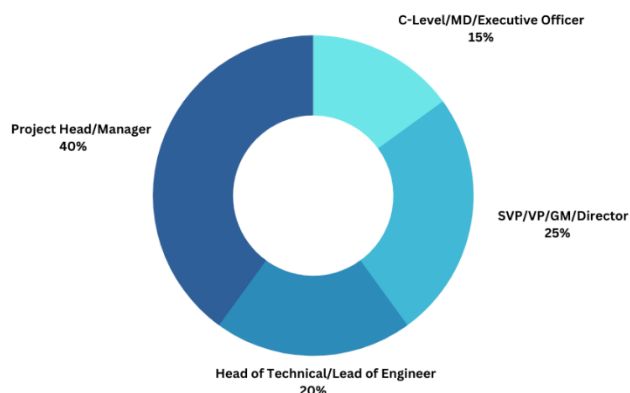
- Understanding the FPSO Market Outlook Amidst Rising Energy Demand
- Managing Supply Chain and Yard Disruption due to Overloading FPSO Projects
- Understanding the Changing Dynamics and Critical Success Factors for Project, Yard and Vendor Selection
- Transforming FPSO Execution Models to Overcome Project Uncertainties
- Designing Future Digital, Connected FPSOs
- Bridging the Gap Between Reality and Trends – What Role Does ESG and Sustainability Play in FPSO Projects?
- Building a Solid FPSO Plan with Strong Commercial Project Fundamentals
- Optimising Asset Integrity Management Strategies to Maintain Vessels in Class

Who will be Attending FPSO World Congress 2023?

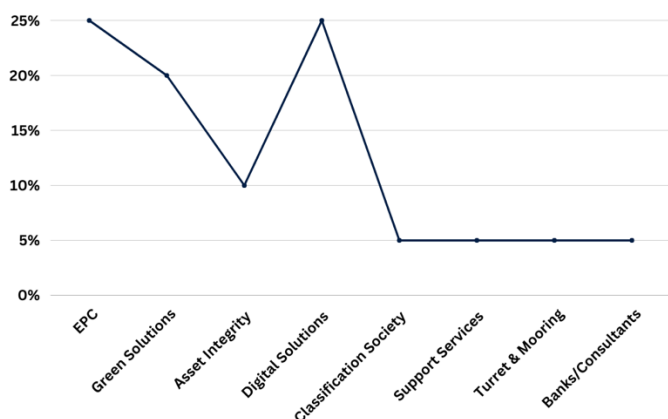
JOB FUNCTIONS



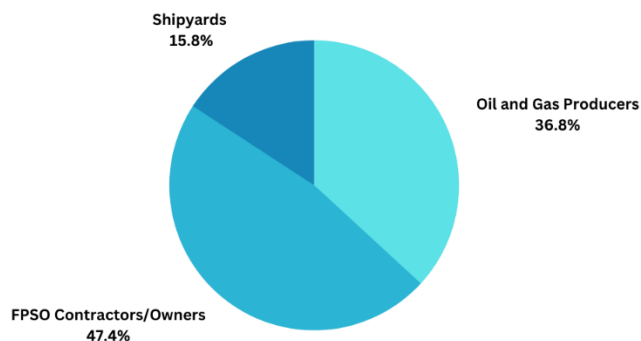
JOB TITLE PROFILE



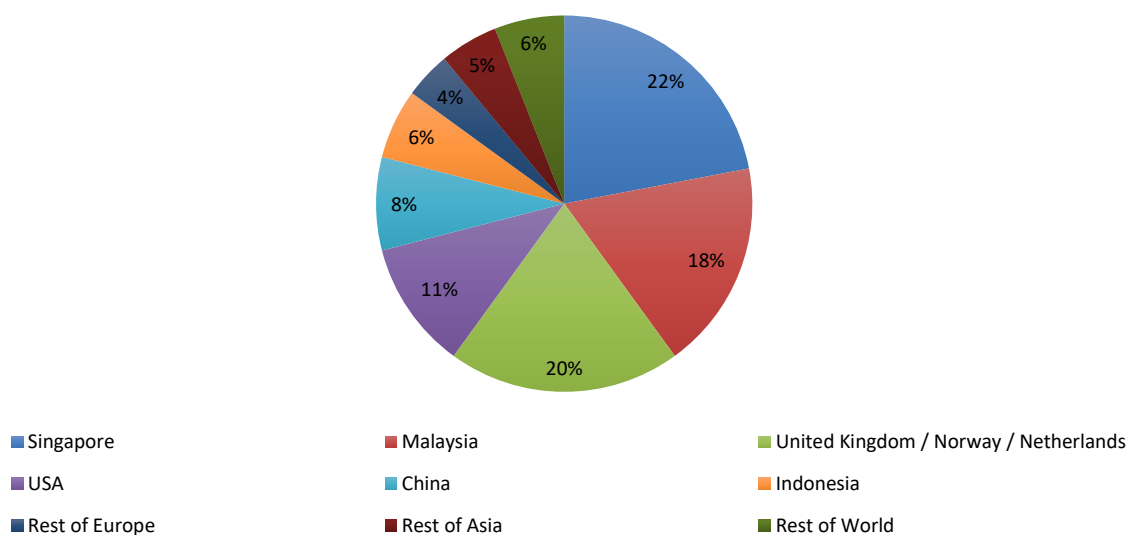
SOLUTION AND SUBCONTRACTORS PROFILE



PRIMARY MARKET



GEOGRAPHY








FPSO World Congress 2023 is curated by the FPSO Network, with advice from our Advisory Board Members:



- Gilles Lamerie, Group Subcontract Director, **SBM Offshore**
- Muhammad Aziz Alkatiri, General Manager - Projects, **Bumi Armada**
- Satyaranjan Sinha, Head NBFPSO Development Program, **MISC**
- Kaj Rawstron, Project Manager, **MODEC**
- Mark Legg, Project Manager, **MODEC**
- Anand Shinde, Additional General Manager, **Shapoorji Pallonji Energy**
- Ankit Garg, President, **Shapoorji Pallonji Energy**
- Pål Gunnar Heistad, Senior Vice President, Business Development, **Yinson Production**
- Dr. Aya Kusumawardhani, Data and Analytics Manager, **Yinson Production**
- David Hartell, Managing Director, **Stellae Energy**



Confirmed Speakers:

- Márcia Gusmão, General Manager, Surface Systems Engineering, **Petrobras**
- Wimboh Nugroho, Vice President, Operations, **Petronas Carigali Indonesia**
- Ellen M. P. Erichsen, FPSO Manager, BM-C-33 Development Project, **Equinor**
- Dirzi Zaidan, Project Manager, **Husky CNOOC Madura Limited (HCML)**
- Wahyudin Sunarya, Vice President, Marketing, Legal and Business Support, **Husky CNOOC Madura Limited (HCML)**
- Sugito Wadi, Naval Architect & Marine Specialist, **Husky CNOOC Madura Limited (HCML)**
- Soichi Ide, President and CEO, **MODEC Offshore Production Systems**
- Gilles Lamerie, Group Subcontract Director, **SBM Offshore**
- Satyaranjan Sinha, Head NBFPSO Development Program, **MISC**
- Alessandro Zunino, Business Development Director, Asia, **SBM Offshore**
- Bai Ligu, Project Director, **MODEC**
- Ankit Garg, President, Projects, **Shapoorji Pallonji Energy**
- Ivar Houthuysen, Assets Integrity Director, **SBM Offshore**
- Jorge Luiz Mitidieri, Executive Vice President, **Ocyan**
- Tatyana Soriano de Oliveira, Technological Innovation Researcher, **EndServ & Ocyan**
- Muhammad Aziz Alkatiri, General Manager – Projects, **Bumi Armada**
- Boris Rijnten, Vice President, Technology, **Bluewater Energy Services**
- Dr. Aya Kusumawardhani, Data and Analytics Manager, **Yinson Production**
- Jesse van de Korput, Vice President, Floating Production, **Bluewater Energy Services**
- Krishnaraju Vaithiyanathan, Head of Contracts Department, **MODEC**
- Sagar Roy, Supply Chain Manager, **SBM Offshore**
- Ikhwan Sunoto, Head of Supply Chain Management, **EPOMS**
- Ashok Ramasamy, Senior Telecom Engineer, **Shapoorji Pallonji Energy**
- Rashid Mirza, General Manager – Commercial, Proposals & Contract Management, **Bumi Armada**
- Ir Tung Pin Tang, Business Development Manager, **SBM Offshore**
- Greg Trostel, Industry Development Manager, **Rockwell Automation**
- Gordon Murray, Head of Sales – Kinetics Business, **Ceragon Networks**
- Joao Maia, Business Development Manager, **CETCO**
- Khaleef Khan, Vice President, Oil, Gas & Offshore Wind, Energy Industries, Asia, **ABB**
- John Pretlove, Global Technology Manager and Innovation Lead, **ABB**
- Francisco E Vera, Oil and Produced Water Technologies Product Champion, **SLB**
- Prabhu Elumalai, Subject Matter Expert -Oil separation technologies & PWT, **SLB**
- Kristian Stadsøy Grjøtheim, Vice President, Strategic Accounts, **Aize**
- Michael Edwards, Director, Customer Engineering, **Aize**
- Kheng Sin Chu, Managing Director and Regional Head, **Standard Chartered Bank**
- Dorian Delteil, Executive Director, Energy, Renewables, & Infrastructure, **DBS Bank**
- Arthur Tay, Director, Project Financing, **MUFG**
- David Boggs, Managing Director, **Energy Maritime Associates**
- Martin Opdal, Head of East Asia & Australia Consulting, **Rystad Energy**
- Andreas Nilssen Skorpen, Principal, Consulting APAC, **Rystad Energy**
- Tony Hodgkins, Director, **Crondall Energy**


FPSO World Congress Day One Wednesday, 20 September 2023	
08:00	Morning Refreshments & Registration
08:50	Welcome Address by FPSO Network
09:00	Opening Remarks by Congress Chairperson David Boggs , Managing Director, Energy Maritime Associates
The Offshore Energy Market Outlook – Beyond 2023	
09:10	Industry Power Panel: Offshore Leaders Speaks: What Keeps Offshore Leaders Awake at Night? <ul style="list-style-type: none"> Capitalising on the rising demand for offshore energy and energy security – while navigating complex market and supply chain uncertainties Discussing the impact of increased carbon emission reporting and what it means for projects Understanding the changing power dynamics of Oil producers, vessel operators and shipyards Exploring best practices in finding – and keeping – talent within the industry David Boggs , Managing Director, Energy Maritime Associates (<i>Moderator</i>) Wimbuh Nugroho , Vice President, Operations, Petronas Carigali Indonesia Soichi Ide , President and CEO, MODEC Offshore Production Systems Ankit Garg , President, Shapoorji Pallonji Energy
09:50	Market Intelligence: Reviewing the Offshore Energy Market Landscape and What Lies Ahead <ul style="list-style-type: none"> Increasing demand for offshore oil and gas production How has pandemic impacted the market, leading to some project delays and cancellations? Market is increasingly competitive, with a few major players dominating the industry Martin Opdal , Head of East Asia & Australia Consulting, Rystad Energy
10:20 	Speed Networking Session Join us in this Speed Networking Session where you will be able to meet other participants at the Congress! During this session, you will have the opportunity to engage with several leaders in a short amount of time and exchange business cards to take conversations beyond the Congress.
10:40 	Morning Break & Refreshments Take a break and use this time to network with your fellow industry peers at our Exhibition Hall!
FPSO Project Highlights	
11:10	Project Execution Strategies to Deliver Long-Lasting FPSOs On-Time, and Within Budget <ul style="list-style-type: none"> Evaluating fit-for-purpose execution models Reviewing front-end loading to de-risk execution, to ensure on-time and budget delivery Exploring new ways to incorporate sustainability, low carbon, and new technologies in FPSOs Ellen M. P. Erichsen , FPSO Manager, BM-C-33 Development Project, Equinor
11:40	Decarbonising Energy Systems, Remote Operations and Adaptive Execution™ to Streamline On-Time, On-Budget FPSO Projects <ul style="list-style-type: none"> Optimising carbon footprint from the systematic FPSO lifecycle equation including enablers for All-electric FPSO Digital solutions to enable and enhance energy transition, improve operational efficiency and drive effective decision making Moving towards remote and autonomous operations to increase worker safety and welfare Adaptive execution to deliver on-time and on-budget projects Khaleef Khan , Vice President, Oil, Gas & Offshore Wind, Energy Industries, Asia, ABB John Pretlove , Global Technology Manager and Innovation Lead, ABB


12:10	Driving Efficiency and Innovation in FPSO Projects – Case Study on SBM Offshore's Fast4Ward <ul style="list-style-type: none"> Overview on SBM Offshore's Fast4Ward concept and benefits Discuss key success factors and challenges during implementation Driving further innovation and continuous improvement in the Fast4Ward concept Gilles Lamerie, Group Yard Subcontract Director, SBM Offshore
12:40	 Lunch Break Take a break and use this time to network with your fellow industry peers at our Exhibition Hall!
Overcoming Supply Chain Disruption & Delays	
13:40	Forming Partnerships with Shipyards to Build Confidence Between Upcoming Shipyards and Contractors <ul style="list-style-type: none"> Identifying shipyards with complementary strengths, capabilities, and resources Evaluating the benefits and risks of collaboration, including cost savings, knowledge sharing, access to new markets, and potential conflicts of interest Establishing clear goals and expectations for the partnership, such as joint production, research and development, or market expansion Bai Liguu, Project Director, MODEC
14:20	Collaboration and Digitalisation will Shape the Future of FPSO Performance <ul style="list-style-type: none"> Leveraging automation technologies for enhanced operational efficiency Harnessing digitalisation to drive decision-making for asset optimisation Key factors and considerations in vessel automation and digitalisation implementation Greg Trostel, Industry Development Manager, Rockwell Automation
14:50	Managing Supply Chain and Yard Disruption due to the Overloading of FPSO Projects <ul style="list-style-type: none"> Navigating the challenges of managing a situation of project overload Designing robust procurement strategies for optimising supply chain and reducing potential disruption Managing overloading during unprecedented events Muhammad Aziz Alkatiri, General Manager – Projects, Bumi Armada
15:30	 Afternoon Break & Refreshments Take a break and use this time to network with your fellow industry peers at our Exhibition Hall!
16:00	 Day 1 Prize Giveaway & Lucky Draw Visit our Exhibition Hall, learn more about partners of the FPSO World Congress and you stand a chance to win prizes proudly sponsored by our partners!
16:10	Navigating GHG and ESG requirements for Project Developments through the Supply Chain in the Era of Tightened Financial Regulations <ul style="list-style-type: none"> Examining requirements for securing project financing and investment, and the impact on supply chain Understanding focus areas of design requirements for achieving GHG targets – what is most important? Reviewing the specific focus areas for ESG and how these have changed over time Discussing strategies for effectively integrating ESG principles into FPSO projects Tony Hodgkins, Director, Crondall Energy
16:40	Fireside Chat Understanding the Changing Dynamics and Critical Success Factors for Project, Yard and Vendor Selection <ul style="list-style-type: none"> Debating the changing supply chain dynamics and how it impacts project/yard selection Managing different local content regulations across the globe and how it affects the FPSO supply chain Exploring alternatives – can other shipyards come into play? Ikhwan Sunoto, Head of Supply Chain Management, EPOMS Sagar Roy, Supply Chain Manager, SBM Offshore
17:20	Chairperson's Closing Remarks
17:30	FPSO World Congress 2023 – Happy Hour Drinks!
18:30	End of Congress Day 1

FPSO World Congress Day Two Thursday, 21 September 2023	
08:00	Morning Refreshments & Registration
08:50	Opening Remarks by Congress Chairperson David Boggs , Managing Director, Energy Maritime Associates
Future Digital, Connected FPSOs	
09:00	Engineering Future-Ready FPSOs – Petrobras's Perspective <ul style="list-style-type: none"> Reviewing upcoming FPSO projects for Petrobras Overcoming challenges in next-generation FPSO design and build Integrating lower GHG emissions solutions in FPSOs Standardisation versus innovation dilemma: Finding the right balance when comparing alternatives during concept selection Márcia Gusmão , General Manager, Surface Systems Engineering, Petrobras
09:30	Smart Technologies for Enhanced Offshore Operations <ul style="list-style-type: none"> Showcase the evolution of electrostatic dehydration and desalting technologies Highlight new systems with digital capabilities to optimise overall operating performance Adoption of smarter technologies to reduce power consumption and carbon emissions and support sustainability efforts Francisco E Vera , Oil and Produced Water Technologies Product Champion, SLB Prabhu Elumalai , Subject Matter Expert -Oil separation technologies & PWT, SLB
10:00	Panel Discussion Creating Smart and Connected FPSOs for Effective Remote Operations <ul style="list-style-type: none"> Key factors and importance of connected FPSOs to improve remote monitoring efficiency Benefits of smart and connected FPSOs, including increased automation, improved efficiency and enhanced safety Overcoming barriers – Building strategies to build backhaul infrastructure to support smart and connected FPSOs David Boggs , Managing Director, Energy Maritime Associates (<i>Moderator</i>) Gordon Murray , Head of Sales – Kinetics Business, Ceragon Networks Ir Tung Pin Tang , Business Development Manager, SBM Offshore Sugito Wadi , Naval Architect & Marine Specialist, Husky CNOOC Madura Limited (HCML) Jorge Luiz Mitidieri , Executive Vice President, Ocyan
10:40 	Speed Networking Session Join us in this Speed Networking Session where you will be able to meet other participants at the Congress! During this session, you will have the opportunity to engage with several leaders in a short amount of time and exchange business cards to take conversations beyond the Congress.
11:00 	Morning Break & Refreshments Take a break and use this time to network with your fellow industry peers at our Exhibition Hall!
11:30	Case Study from Husky CNOOC Madura Navigating Success in Offshore Projects: Optimising Project Management, Financial Risk Mitigation, and Compliance for FPSO Installations <ul style="list-style-type: none"> Overview of the 3M gas field development project Project planning methodologies and financial risk mitigation strategies to address potential delays and budget overruns Looking at regulations and guidelines that can impact the installation and operation of FPSOs Dirzi Zaidan , Project Manager, Husky CNOOC Madura Limited (HCML)

12:00	Transforming Work Processes with Heavy Industrial Assets Through the Use of a Digital Twin <ul style="list-style-type: none"> IoT, machine learning, predictive analyses, and augmented reality are all good, but how do you set yourself up to unlock the value of information? What building blocks are needed to go from unstructured data to a digital twin of an asset? How can a digital twin create a workspace that transforms how an organisation works and collaborate Kristian Stadsøy Grjotheim , Vice President, Strategic Accounts, Aize Michael Edwards , Director, Customer Engineering, Aize
12:30	Leveraging Machine Learning to Optimise Inventory Management Throughout the Asset Lifecycle <ul style="list-style-type: none"> How to obtain the optimum value from our equipment monitoring system Decision variables in minimising the total cost of maintenance and inventory Feasibility of Opportunistic Maintenance for Normally Unattended Installation (NUI) Dr. Aya Kusumawardhani , Data and Analytics Manager, Yinson Production
13:00	Lunch Break  Take a break and use this time to network with your fellow industry peers at our Exhibition Hall!
ESG & Sustainability Practices in Offshore Projects	
14:00	Fireside Chat: Bridging the Gap Between Reality and Trends – What Role Does ESG and Sustainability Play in Offshore Projects? <ul style="list-style-type: none"> Placing ESG and sustainability at the forefront of Offshore projects Understanding how these trends impact the feasibility of Offshore projects – and winning bids Balancing ESG requirements and project commercials Satyanjan Sinha , Head NBFPSO Development Program, MISC Jesse van de Korput , Vice President, Floating Production, Bluewater Energy Services
14:30	Identifying and Debottlenecking Water-Soluble Organics (WSO) challenges on FPSOs <ul style="list-style-type: none"> Origin of Produced Water with comments on its formation across oil processing Brazilian Overboard Discharge regulation with parameters for discharge as well as methodology applied for measurement Organic content within new regulations applied as well as new methodology to be applied ORCA methodology for WSO evaluation and treatability Joao Maia , Business Development Manager, CETCO
15:00	Embedding ESG & Sustainability Practices in FPSO Project Execution and Lifecycle Management <ul style="list-style-type: none"> Evaluating and implementing sustainable design principles in the construction and operation of FPSOs Discussing strategies to reduce environmental impact and minimise carbon footprint throughout the project lifecycle Best practices for sustainable lifecycle management of FPSOs Boris Rijnten , Vice President, Technology, Bluewater Energy Services
15:30	Afternoon Break & Refreshments  Take a break and use this time to network with your fellow industry peers at our Exhibition Hall!
16:00	Day 2 Prize Giveaway & Lucky Draw Visit our Exhibition Hall, learn more about partners of the FPSO World Congress and you stand a chance to win prizes proudly sponsored by our partners!

FPSO Execution Models – Financing & Contracting	
16:10	<p>Project Financing Panel Discussion</p> <p>Designing Bankable FPSO Projects in the Current Market Climate</p> <ul style="list-style-type: none"> • What does a bankable, commercially-viable FPSO project look like? • Evaluating the importance of ESG, sustainability and carbon emissions in securing funding • Understanding the intrinsic link between project financing and market trends – can the FPSO industry keep up? <p>David Boggs, Managing Director, Energy Maritime Associates (<i>Moderator</i>) Kheng Sin Chu, Managing Director and Regional Head, Standard Chartered Bank Arthur Tay, Director, Project Financing, MUFG Dorian Delteil, Executive Director, Energy, Renewables, & Infrastructure, DBS Bank</p>
16:50	<p>FPSO Leasing Versus Ownership: Decision Factors, Contracting Strategies and Future Trends</p> <ul style="list-style-type: none"> • Discussing possible motivations behind a company’s decision to lease or own an FPSO • Examining the balance sheet exposure of leasing vs owning an FPSO • Formulating a transparent and cost-effective FPSO leasing strategy <p>Rashid Mirza, General Manager – Commercial, Proposals & Contract Management, Bumi Armada</p>
17:20	Chairperson’s Closing Remarks and End of Congress

Pre-Congress Focus Day FPSO 101: Commercial Project Fundamentals Tuesday, 19 September 2023	
10:00	Morning Refreshments & Registration
10:30	Welcome & Housekeeping Address
10:35	Chairperson Opening Address Alessandro Zunino , Business Acquisition Director, Brazil, SBM Offshore
10:40	Formulating a Robust FPSO Contracting Model to Earn Stakeholders' Confidence <ul style="list-style-type: none"> Establishing clear and transparent lines of communication between all parties involved in the FPSO projects Use a project management approach to ensure that all parties are working together to achieve the project objectives Developing a comprehensive contract management plan, including performance measurement and dispute resolution Ikhwan Sunoto , Head of Supply Chain Management, EPOMS
11:20	Selecting the Right Contracting Model and Framework for your FPSO Project <ul style="list-style-type: none"> Assessing traditional lump-sum contracts and alternative models Explore risk allocation and sharing mechanisms between project stakeholders Building contract flexibility and adaptability throughout the lifecycle of the FPSO project Krishnaraju Vaithiyanathan , Head of Contracts Department, MODEC
12:00 	Lunch & Networking Break Take a break and use this time to network with your fellow industry peers!
13:00	Discussing Local Content, Regulatory Changes and Compliance Impacting FPSO Projects <ul style="list-style-type: none"> Regulatory changes that can impact the design, fabrication, installation and operation of FPSOs Growing focus on environmental protection and sustainability Collaborative efforts among industry stakeholders, regulators and policymakers to develop effective regulations and promote compliance Wahyudin Sunarya , Vice President, Marketing, Legal and Business Support, Husky CNOOC Madura Limited (HCML)
13:40	Overcoming Challenges in Developing and Actualising FPSO Projects <ul style="list-style-type: none"> Building a clear and concise business plan that outlines the goals, risks and ROI for FPSO projects Assessing and managing financial risks associated with FPSO projects Identifying alternative financing options to meet the needs of the project Alessandro Zunino , Business Acquisition Director, Brazil, SBM Offshore
14:20	Group Discussion Alessandro Zunino , Business Acquisition Director, Brazil, SBM Offshore
15:00	Chairperson Closing Remarks and End of Focus Day

Post-Congress Focus Day FPSO AIM and Lifecycle Extension Friday, 22 September 2023	
10:00	Morning Refreshments & Registration
10:30	Welcome & Housekeeping Address
10:35	Chairperson Opening Address Jorge Luiz Mitidieri , Executive Vice President, Ocyan
10:40	Market Intelligence Market Outlook for FPSO Refurbishment and Lifecycle Extension <ul style="list-style-type: none"> Discussing the increased demand for FPSO refurbishment and lifecycle extension due to the ageing of existing floating production units Growing interest in deepwater and ultra-deepwater oil and gas production that requires more FPSOs Advances in technology and materials enabling FPSOs to operate in more challenging environments Andreas Nilssen Skorpen , Principal, Consulting APAC, Rystad Energy
11:20	Case Study from Ocyan Applications Of a Sealing System Adjustable to Pipe Connections On FPSO Pioneiro De Libra Offloading Line <ul style="list-style-type: none"> Showcasing a sealing system adjustable to pipe connections used for permanent repair on FPSO Pioneiro de Libra offloading line Enables adjustments for various pipe connections and on-the-go welding during FPSO operation Ensures durable and secure repair for offloading line Jorge Luiz Mitidieri , Executive Vice President, Ocyan Tatyana Soriano de Oliveira , Technological Innovation Researcher, EndServ & Ocyan
12:00 	Lunch & Networking Break Take a break and use this time to network with your fellow industry peers!
13:00	Optimising Asset Integrity Management Strategies and Maintain Vessels in Class <ul style="list-style-type: none"> Implementing a risk-based inspection program to prioritise maintenance and repair activities Establishing a maintenance and repair program for all structural, mechanical and electrical systems Using condition-based monitoring techniques to detect early signs of equipment failure and take corrective action Ivar Houthuysen , Asset Integrity Director, SBM Offshore
13:40	Leveraging Remote Communication Tools and Infrastructure for More Effective Maintenance and Monitoring <ul style="list-style-type: none"> Understanding the modern telecommunications approach Establishing regular inspection and monitoring programs to identify issues early and prevent unscheduled downtime Review technologies involved in remote maintenance and monitoring Ashok Ramasamy , Senior Telecom Engineer, Shapoorji Pallonji Group
14:20	Group Discussion Jorge Luiz Mitidieri , Executive Vice President, Ocyan
15:00	Chairperson Closing Remarks and End of Focus Day