Call for Abstracts

FWS '24 Themes & Key Topics

Supply Chain Focus – 10 Dedicated sessions

Volumes & competition drive journey to develop global (& regional) Supply Chains

Spotlight on Developers

I. Offshore Wind Project Ambitions & Discussion on Best Offtake Opportunities (Regional Perspectives) Panel Session

I. 1 **Offshore Wind Project Ambitions - a Review of 5 to 10 Year Plans**

I. 2 **An overview of Seabed Lease Experiences around the world**
- o What methods are benefitting scaling of Industry?
- o What is working and not working?

I. 3 **Floating Wind Auctioning Systems – Successful Paths to Market for Tenable Projects**
- o Pros & Cons of Seabed versus Offtake Auctions by key-Region
- o Alternative Offtake Scenarios

II. WTG OEM Focused Panel Session

II 1 **Is Bigger Always Better?**
- o Where are we in the process towards bigger turbines (20 MW+)?
- o Can the Industry standardize on 15 MW Turbines for now?

II 2 **Pros and importance of early engagement with WTG OEM and Foundation concept suppliers!**
- o What can be improved in the WTG / Designer relationship?

II 3 **What is your capacity to work with Floater Designers across regions?**

II 4 **Where does the application of a Floater Design differ per region? Is there a uniform design?**

III. SCALING-UP - Pathways to Industrialization for WTG and Floating Substructures *(Panel Discussion)*

III 1 **'Stepping Stones' to De-Risking Ahead of GW Scale -going from 88 MW to ~300 MW to ~1**
(e.g. INTOG Salamander project (Orsted, Simply Blue Group, Ocergy, Subsea 7)

III 2 **Is Bigger Always Better?**
- o Tradeoffs Between Upsizing and Industrialization
- o Experiences and challenges with IP/Claiming issues

III 3 **Lack of Capacity - What is Needed?**
- o Streamline Supply Chain (SC)
- o Strategic Investments in SC BoTlenecks
- o Industrialization
- o Grid connection challenges
- o Ports & Harbors

III 4 **Floating Wind Projects GW in Pipeline to Execution - Regional Differences**
- o Highlight key regions of FW Activity (upcoming projects that are happening)!
- o A lot has happened in the last 3 years, Highlight PROGRESS and WHAT is WORKING? (e.g. quick connect moorings, bending of cables, port & harbor development, etc.)

IV. Energy Storage & the Role of Floating Wind in Electrification/Hybridization/Decarbonization

IV 1 **What are the different use cases for ENERGY STORAGE as an Enabler?**

IV 2 **Arbitrage: Using excess capacity to Energy Storage (Hydrogen & other)**

IV 3 **Electrification/ Decarbonization of Oil & Gas Assets**

V. O&M – Operations and Maintenance (Life of Field)

V 1 **Presentations of case studies for driving-down O&M costs**

V 2 **Ultra-deep water Floating Wind O&M strategy and windfarms far from shore**

V 3 **Comparison of Life Cycle Assessment(steel vs concrete)**
- o For a steel floater design compared to the equivalent in concrete

VI. Mooring Systems & Solutions (Case Studies preferred)

VI 1 **Supply Chain Challenges**

VI 2 **Presentations focused on optimizing Mooring Solutions**

V I 3 **Presentations focused on driving-down costs & addressing logistics**

VII. Floating Substations & Power Cables - Experiences & Challenges

VII 1 **Cost & Benefit Trade-off?**

VII 2 **How many are we going to need @ GW Scale?**

VII 3 **Regional Activity (e.g. the Mediterranean and US West Coast, etc.)**

VII 4 **OEM Lead Times**

VII 5 **HV/DC Substations**

VII 6 **HV/DC Power Cables Dynamic Array & Exports**

VIII. A Panel Discussion on 'Both Sides' of Bankability, Addressing Project & Technology Risk

(a Moderated Panel discussion to include a MIX of Stakeholders: leading-Developers, Tier-one EPCI Contractors, Investors (PE, Banks & Capital Providers) & Insurers)

VIII 1 **An overview of IMCA's Offshore Wind Guiding Principles** *(Blueprint for Industry Competitiveness)*

VIII 2 **Contracting Strategies, De-risking Projects and Bankability**

VIII 3 **New / Alternative Business Models in Support of Bankability**

IX. A Perspective from Vessel Installation Contractors (*Panel Discussion)*

IX 1 **WHAT are we investing into?**

IX 2 **Timing to build given converging set of Timelines**

IX 3 **LIMITATIONS - What is available vessel capacity? Where are you going to build?**

IX 4 **Purpose Built – Build the RIGHT Vessel**

IX 5 **Vessel Conversions to meet need**

IX 6 **Fabrication & Shipyard space - Which places are ready to go and which need development?**

X. Unique Challenges to Floating Wind in the U.S. and Support & Investment requirements of Industry (*Panel Discussion)*

***Featured Keynote (Invited): Jocelyn Brown-Saracino**, Offshore Wind Lead at U.S. Department of Energy (DOE), DOE.*

X 1 **What are U.S. industry needs to meet DoE's 'Energy Earthshots' goals for cost reduction?**

X 2 **Logistical challenges and solutions for US West Coast Floating wind**

X 3 **How does the Floating wind industry get to GW-scale manufacturing & deployment needed in the U.S.**

X 4 **Subsea HV systems**

X 5 **Grid Connections**

X 6 **Ports & Harbors**
- o e.g. Crowley Maritime - Port of Humboldt Bay

X 7 **A perspec0ve from the Local Supply Chain**
- o A perspective from the local supply chain in California where first projects are awarded, to hear about actual ongoing initiatives for Floating Offshore Wind.