



# Floating Wind Solutions 2024

*Creating a New Horizon*

## Conference Program

**Floating Wind Solutions, Conference & Exhibition**  
Hilton Americas Hotel, Houston  
5 - 7 February, 2024

Organized by



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「 GLOBAL LEADER IN  
FLOATING OFFSHORE  
WIND 」





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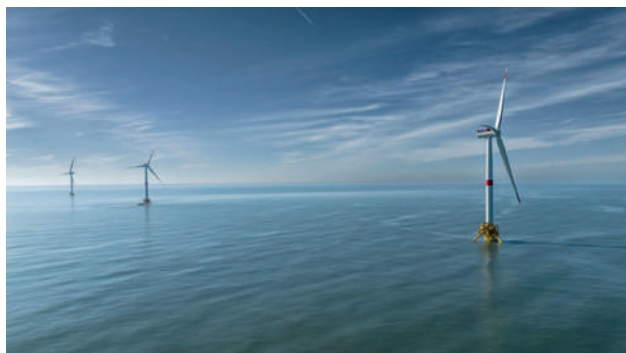




## Floating Wind Solutions

Floating Wind Solutions is the largest global Conference & Exhibition dedicated to Floating Wind in the USA. The mission of FWS is to showcase the many capabilities of the established Global Offshore Supply Chain and create a platform for bridging Supply and Demand while facilitating development of this industry.

Floating Wind Solutions utilizes this platform to bring together the many critical players within the Wind and Offshore industries enabling accelerated adoption of Floating Wind Energy globally. This premier event's primary goal is to accelerate the Energy Transition, by focusing on the industrialization and commercialization of Floating Wind Energy. A world class Advisory Board of industry experts supervises the conference content safeguarding the program; FWS along with our Advisory Board and other stakeholders are committed to the principles of this mission. The FWS '21, '22 and '23 Conference programs excelled in a strong line-up of subject matter experts from all over the globe showcasing proven know-how, experience and technology, readily available to the industry. These editions of FWS proved a resounding success with its stakeholders and was the by far most discussed event on social media.



Early January 2024 EDF installed the Provence Grand Large project floaters in the Mediterranean as the first of three 30MW French pre-commercial floating projects.  
Photo courtesy of EDF.

For more information on our events or data services, please contact  
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Quest Floating Wind energy, L.L.C.  
77 Sugar Creek Center Blvd., Ste 310  
Sugar Land, TX 77479  
USA  
+1 (281) 725 7664  
andrew.chadderdon@questfwe.com



Quest Floating Wind Energy

In 2018, Quest launched the SaaS business Q FWE – Quest Floating Wind Energy, LLC., a company fully focused on Economics & Finance, Technology and Market Intelligence within the alternative energy landscape of offshore wind, specifically floating wind energy.

Based on over a 100-years of combined experience in all relevant aspects and disciplines of the Global Energy Industry, Quest Floating Wind Energy provides strategic advisory and consulting to end-clients within the global Energy and Financial sectors. Q FWE delivers highly focused market intelligence tools, products and services to the entirety of the Renewables Supply Chain across offshore wind encompassing Floating and Bottom-fixed.

The mission is to unite, educate and expand the global offshore floating wind industry leveraging Quest Offshore's resources and vast experience to bring together the various disciplines and services within this burgeoning sector. Over the past 4 years, Q FWE has gained hundreds of subscribers and thousands of followers and is recognized as the leading provider of market intelligence in the Floating Wind Energy industry.



Quest Offshore

Quest Offshore possesses expert knowledge of the entire Energy Value Chain with decades of experience empowering our clients with Clarity, Insight and Vision. Quest is dedicated to providing market expertise, strategy & advisory and technical conferences to our Offshore Energy clients including MCE Deepwater Development, the leading deepwater oil & gas event in Europe, now in its 18th year. In addition Quest co-owns and organizes the Deepwater Executive Summit and the Global Offshore Brazil Summit. Quest was the managing partner of the premier edition of OTC Brasil and was the creator of numerous other Offshore Energy events, such as Subsea Houston, Marine Construction Houston, DeepGulf and the Offshore Risk Forum.

In 2023 Quest Offshore will launch a new Offshore Wind event in Brazil, FWS South America Offshore Wind, in conjunction with Quest FWE and Brazil Energy Insight. This event proved an instant success in supporting the surging enthusiasm and interest in Offshore Wind Developments offshore Colombia and Brazil. At the event Petrobras presented the initial plans for floating wind primarily offshore Rio de Janeiro to electrify their oil & gas floating production facilities offshore.



Photo Courtesy of E.ON Ideal / Centrale Nantes



**Bo Jardine**  
Advisory Partner



**Lars Samuelsson**  
Manager, Offshore Accounts



**Tom Fulton**  
Head of Renewables  
Mooring Development



**William Cooper**  
Managing Director



**David Patruska**  
Senior Advisor - Floating Systems



**Laurent Verdier**  
Chief Sales & Marketing Officer



**Hans-Petter Ovrevik**  
Chief Commerical Officer



**Cory Gessert**  
VP Project Development & Engineering



**Joaquin Serrano**  
VP Business  
Development & Commercial



**Lydia Lostan**  
Director - Offshore Wind



**Jon Halliburton**  
Managing Director



**Leif Delp**  
Head of Floating Offshore Wind Technology



**Celine Gerson**  
President & Group Director Americas



**Steve Rampton**  
Vice President



**Henrik Baltscheffsky**  
Director, Business Development



**Ignacio Pantojo**  
Floating Offshore Wind Department Manager



**David Bloom**  
Representative



**Boyd Howell**  
Director of Sales and Marketing



**Dr. Amy Robertson**  
Principal Engineer



**Kevin Banister**  
Ocean Connect Energy



**Brent Courchene**  
Head of Technical



**Shadi Awwad**  
Business Development Manager  
Renewables



**Larry Carlisle**  
Sr. Marketing Analyst  
OSI Renewables™



**Marco Wiedijk**  
Vice President Business Development



**Denis Matha**  
Chief Consultant Floating  
Offshore Wind Team Lead





**Jerica Nolte**  
Head of Floating Wind  
Development



**James Hammock**  
Engineering Manager  
Offshore Wind Americas



**Francesco Tripodi**  
Business Development  
Manager-Americas



**Stephanie St. Hill**  
Product Line Director Renewables



**Carl-Petter Halvorsen**  
Business Development Director



**Richard Barratt**  
Technical Sales Manager,  
Transformation of Industry



**Saverio Ventrelli**  
Global Business Development  
for Offshore Wind and Solar



**Thomas Agnevall**  
Managing Director



**Michael Ellis**  
Business Development Manager,  
Global Moorings and Floating Wind



**Willy Gauttier**  
VP Floating Offshore Wind



**Janardhan Davalath**  
Manager - FEED Tender and Project  
Engineering for New Energy Business



**Nick Prokopuk**  
Offshore Wind Business Developer



**Alla Weinstein**  
Founder & CEO



**Martin Tremblay**  
Director Offshore Wind  
Americas



**Jamie MacDonald**  
Director of Operations (Boston)



All biographies of the Advisory Board members,  
including abstracts of all FWS '24 Speakers  
are available in the online Technical Program.





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## Monday - Feb. 5, 2024


07:30 am - 10:30 pm	<b>Registration &amp; Badge Pick-up</b> (Grand Ballroom)	<b>Exhibit Hall Open</b>	
11:15 am - 12:15 pm	<b>Welcome Luncheon</b> (Exhibition Area)		
12:15 pm - 02:00 pm	<b>Spotlight on Developers I</b> (Grand Ballroom)		
02:00 pm - 02:30 pm	<b>Coffee Break</b> (Exhibition Area)		
02:30 pm - 04:15 pm	<b>Spotlight on Developers II</b> (Grand Ballroom)		
02:00 pm - 02:30 pm	<b>Coffee Break</b> (Exhibition Area)		
04:45 pm - 06:45 pm	<b>Special Session - Floating Offshore Wind Shot</b> (Grand Ballroom)		
06:45 pm - 08:00 pm	<b>Ice Breaker Reception</b> (Exhibition Area)		

## Tuesday - Feb. 6, 2024

07:00 am - 08:00 am	<b>Breakfast</b> (Exhibition Area)		
08:00 am - 09:45 am	<b>Session I. Unique Challenges to Floating Wind in the U.S.</b> (Grand Ballroom)		
09:20 am - 09:45 am	<b>FWS Deep Dive Session with Q&amp;A</b> (3rd Floor)		
09:45 am - 10:30 am	<b>Coffee Break</b> (Exhibition Area)		
10:30 am - 12:15 pm	<b>Session II. Scaling Up - Strategies Towards Commercialization</b> (Grand Ballroom)		
11:50 am - 12:15 pm	<b>FWS Deep Dive Session with Q&amp;A</b> (3rd Floor)		
12:15 pm - 01:30 pm	<b>Lunch</b> (Exhibition Area)		
01:30 pm - 03:15 pm	<b>Session III. Vessel Contracting and Logistics</b> (Grand Ballroom)		
02:50 pm - 03:15 pm	<b>FWS Deep Dive Session with Q&amp;A</b> (3rd Floor)		
03:15 pm - 04:00 pm	<b>Coffee Break</b> (Exhibition Area)		
04:00 pm - 05:45 pm	<b>Session IV. O&amp;M Strategies - Developing Visions</b> (Grand Ballroom)		
05:20 pm - 05:45 pm	<b>FWS Deep Dive Session with Q&amp;A</b> (3rd Floor)		
05:45 pm - 07:00 pm	<b>Evening Reception</b> (Exhibition Area)		

## Wednesday - Feb. 7, 2024

07:00 am - 08:00 am	<b>Breakfast</b> (Exhibition Area)		
08:00 am - 09:45 am	<b>Session V. Decarbonization, Electrification &amp; Storage Supply Chains</b> (Grand Ballroom)		
09:20 am - 09:45 am	<b>FWS Deep Dive Session with Q&amp;A</b> (3rd Floor)		
09:45 am - 10:30 am	<b>Coffee Break</b> (Exhibition Area)		
10:30 am - 12:15 pm	<b>Session VI. Power Cables and Substations</b> (Grand Ballroom)		
11:50 am - 12:15 pm	<b>FWS Deep Dive Session with Q&amp;A</b> (3rd Floor)		
12:15 pm - 01:30 pm	<b>Lunch</b> (Exhibition Area)		
01:30 pm - 03:15 pm	<b>Session VII. WTG and Foundation Standardization Operations &amp; Maintenance</b> (Grand Ballroom)		
02:50 pm - 03:15 pm	<b>FWS Deep Dive Session with Q&amp;A</b> (3rd Floor)		
03:15 pm - 04:00 pm	<b>Coffee Break</b> (Exhibition Area)		
04:00 pm - 05:45 pm	<b>Session VIII. Mooring Systems</b> (Grand Ballroom)		
05:45 pm - 06:00 pm	<b>Speaker Awards</b> (Grand Ballroom)		
06:00 pm - 07:00 pm	<b>Closing Networking Happy Hour</b> (Lobby Bar)		

07:30 am - 10:30 am	Exhibitor Move-in (Grand Ballroom)
10:30 am - 08:00 pm	Registration & Badge Pickup (4th Floor)
10:30 am - 08:00 pm	Exhibit Hall Open
11:15 am - 12:15 pm	Welcome Luncheon (Exhibition Area) 

### 12:15pm - 02:00pm Spotlight on Developers I (Grand Ballroom)



**Welcome and Introduction**  
President, Quest Floating Wind Energy



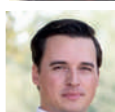
**Moderator - Bo Jardine**  
Advisory Partner, 1852 Solutions



**Presentation by Lydia Lostan**  
Director - Offshore Wind, EDF Renewables



**Presentation by Ignacio Pantojo**  
Floating Offshore Wind Department Manager, Iberdrola Renovables



**SBM Offshore, stimulating and accelerating the responsible adoption of floating offshore wind through the development of steppingstone projects**  
Nicolas MacFerran, Head of Project Development – Americas; New Energies & Services – Renewables, SBM Offshore

02:00 pm - 02:30 pm Coffee Break (Exhibition Area) 

### 02:30 pm - 04:15 pm Spotlight on Developers II (Grand Ballroom)



**Moderator - Bo Jardine**  
Advisory Partner, 1852 Solutions



**Presentation by Anni Piirainen**  
Head of Technical Project Management, BlueFloat Energy



**Presentation by Leif Delp**  
Head of Floating Offshore Wind Technology, Equinor, New Energy Solutions



**Presentation by Dan Jackson**  
Founding Director, Cerulean Winds



**Presentation by Mikael Jakobsson**  
Founder & Chairman, CIERCO

04:15 pm - 04:45 pm Coffee Break (Exhibition Area) 



04:45 pm - 06:45 pm

**Special Session : Floating Offshore Wind Shot Priorities, Progress, and Next Steps**



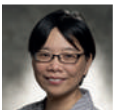
**Moderator - Jocelyn Brown-Saracino**  
*Offshore Wind Energy Lead, U.S. Department of Energy*



**Nathan McKenzie**  
*Offshore Wind Technology Manager, U.S. Department of Energy*



**Alissa Baker**  
*Offshore Wind Transmission Lead, U.S. Department of Energy*



**Dr. Jian Fu**  
*Systems Integration Program Manager, U.S. Department of Energy*



**Necy Sumait**  
*Regional Supervisor, Office of Strategic Resources - Pacific Regional Office Bureau of Ocean Energy Management (BOEM)*



**Adena Leibman**  
*Senior Advisor, Office of the Under Secretary of Commerce for Oceans and Atmosphere, National Oceanic and Atmospheric Administration (NOAA).*

06:45 pm - 08:00 pm

**Ice Breaker Reception (Exhibition area)**

**RWE**

## Tuesday Session Moderators



### Session I - Unique Challenges to Floating Wind in the U.S.

**Moderator**  
*Kevin Banister, Partner, Ocean Connect Energy*



**Co-Moderator/Panelist**  
*Andrew Cooper, Americas Director for Offshore Wind, Fugro*



### Session II - Scaling Up - Strategies Towards Commercialization

**Moderator**  
*Hannah Abend, Growth Director, OWC*



### Session III - Vessel Contracting and Logistics

**Moderator**  
*Iain Granger, CEO, IMCA*



### Session IV - O&M Strategies - Developing Visions

**Moderator**  
*Anni Piirainen, Head of Technical Project Management, BlueFloat Energy*

07:00 am - 07:00 pm

Registration & Badge Pickup (4th Floor) Exhibit Hall Open

07:00 am - 08:00 am

Breakfast (Exhibition Area)



08:00 am - 09:45 am

Session I : Unique Challenges to Floating Wind in the U.S. Market and Support and Investment Requirements of Industry



### Keynote - Floating Wind Earthshot Program

Jocelyn Brown-Saracino, Offshore Wind Energy Lead, U.S. Department of Energy



### US Floating wind: The Port Challenge

Alistair Morris, Offshore Wind Manager, The Carbon Trust



### Opportunity and Challenges for Floating Wind in the Great Lakes

Walter Musial, Principal Engineer - Offshore wind platform lead, NREL



### The upcoming Oregon Offshore Wind auction - technical and permitting challenges and opportunities

Kamil Siddiqi, Senior Project Manager, Offshore Wind NAM, DNV



### Current Status of Taiwan Floating Offshore Wind

Dr. Shean Kwang Chou, CEO, Ship and Ocean Industries R&D Center

09:15 am - 09:45 am

Panel Discussion

09:20 am - 09:45 am

FWS Deep Dive Sessions with Q&A (3rd Floor)



### A Review of nylon as a material for permanent mooring applications and up-to-date findings.

Stein Are Andersen, Business Development Director, Synthetic Mooring Solutions, Bridon-Bekaert

09:45 am - 10:30 am

Coffee Break (Exhibition Area)



10:30 am - 12:15 pm

Session II : Scaling Up - Strategies Towards Commercialization



### Sharing the experience and lessons learned from the first TLP based floating wind project in France.

Juan Cruz, President and General Manager of SBM Offshore USA and Business Development Director of the Americas, SBM Offshore



### An Overview of the PGL Development including lessons learned, navigating stakeholder relationships and harbor upgrades.

Florent De Ligny, Sr. Offshore Project Manager, EDF Renewables



### Supply-chain Requirements for Efficient Assembly and Installation of Larger FOWTs

Elisa Romero, Product Lead Floating Wind, Heerema Engineering Solutions



### Innovation vs. Consolidation: What is the best way forward to industrialize floating wind?

Denis Matha, Global Head of Floating Wind, Ramboll



### Scaling cost-efficiently: the road to success based on the WindFloat® design experience

Seth Price, Vice President of Technology, Principle Power



### Ensuring a viable path to GW scale projects through a holistic design

Jesper Møller, CSO and Head of Business Development, Stiesdal Offshore

11:45 am -12:15 pm

Panel Discussion

11:50 am - 12:15 pm

FWS Deep Dive Sessions with Q&A (3rd Floor)



**Efficient helical pile based anchoring solutions to alleviate supply chain bottlenecks**  
Nathan Krohn, Installation Operations Manager, Triton Anchor



**Rock Anchor Drill Speed Predictions: Cutting BOP Installation Times**  
Dr. Nick Cresswell, Engineering Manager, Schottel Marine Technologies

12:15 pm - 01:30 pm

Lunch (Exhibition Area)



01:30 pm - 03:15 pm

Session III : Vessel Contracting and Logistics



**Keynote - Navigating to New Contracts in Offshore Wind (T&I Contract Floating Wind)**  
Keynote / Moderator - Iain Grainger, CEO, IMCA



**The Case for Heavy Lift Transport and Installation Solutions for Floating Wind Projects**  
Alexandra Santiago, Business Development and Sales - Americas, Jumbo Offshore Installation Contractors B.V



**CAPEX reduction opportunities in floating wind – a T&I contractors view**  
Xavier Heraudeau, Project Technical Manager, Havfram Wind



**How Can Collaborative Commercial Model be Utilised to Remove Costs in FLOW**  
Lessons from Mega Project Delivery in Complimentary Sectors  
Dan Benson, Business Development Manager, Bechtel



**We're Gonna Need a Bigger Boat - or do we?**  
Inger-Louise Molver, Shipbroker & Analyst - Renewables, Pareto Shipbrokers AS

02:45 pm - 03:15 pm

Panel Discussion

02:50 pm - 03:15 pm

FWS Deep Dive Sessions with Q&A (3rd Floor)



**Fatigue assessment on time history hot spot stress analysis for welded plates in offshore wind structures**  
Nicholas Epiphaniou, Principal Structural FEA Engineer, Saipem LTD

03:15 pm - 04:00 pm

Coffee Break (Exhibition Area)



Save the Date!



## Floating Wind Solutions 2025

January 15-17, 2025

Marriott Marquis Houston



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**PROVEN TECHNOLOGY SUPPLY  
AND PROJECT CO-DEVELOPMENT  
WITH THE HIGHEST LEVEL OF  
WHATEVER IN THE WORLD**





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OF LOCAL CONTENT,



BW  ideol



04:00 pm - 05:45 pm

Session IV : O&M Strategies - Developing Visions



**Offshore Wind Farm End of Life Strategies - Plan Ahead**  
David Hua, Technical Director, ABS Group



**An O&M Vessel for FOW Major Component Replacement**  
Anil Sablok, Chief Engineer | Floater Advanced Simulation and Technology (FAST), T.EN Technology & Innovation, Technip Energies



**Reducing Cost and Risk for Floating Wind Mooring Operations and Maintenance**  
Tom Fulton, Head of Renewables and Mooring Development, Acteon



**Remote Windfarms Demand Remote Solutions: Leveraging Remote Robotics and Technology to Develop Efficient O&M Strategies**  
Reed LeMasters, Senior Account Manager - Integrity Management and Digital Solutions business Western Hemisphere, Oceaneering



**Real O&M experience: learning and keep innovating**  
Pierre Lagarde, Head of Tender Department, BW-Ideol

05:15 pm - 05:45 pm

Panel Discussion

05:20 pm - 05:45 pm

FWS Deep Dive Sessions with Q&A (3rd Floor)



**BlueVault – The alternative way of solving the Grid challenges and enabling H2 production.**  
(BES - Battery Storage Grid Application & Hydrogen Solution)  
Saverio Ventrelli, Global Sales Manager Wind and Solar, Siemens Energy

05:45 pm - 07:00 pm

Evening Reception (Exhibition Area)

**RWE**

## Wednesday Session Moderators



Session V - Decarbonization, Electrification & Storage

**Moderator**  
Watsamon Sahasakkul MS, PE, Team Lead – Civil Engineering, Energy Systems, DNV Energy USA Inc



Session VI - Power Cables and Substations

**Moderator**  
Janardhan Davalath, Manager – FEED Tender and Project Engineering | New Energy Ventures, TechnipFMC



Session VII - WTG and Foundation Standardization

**Moderator**  
Jerica Nolte, Sr Floating Foundation & Industrialization Engineer, RWE Renewables



Session VIII - Mooring Systems

**Moderator**  
Tom Fulton, Head of Renewables, Mooring Department, Acteon



07:00 am - 04:00 pm

Registration & Badge Pickup (4th Floor)

07:00 am - 04:00 pm

Exhibit Hall Open

07:00 am - 08:00 am

Breakfast (Exhibition Area)



8:00 am - 09:45 am

Session V : Decarbonization, Electrification & Storage



**The Future of Platform Electrification and Microgrids using Subsea Transformers and High Voltage Wet-Mate Connectors**  
George Mabey, Technical Sales, Siemens Energy



**Oil and Gas Platform Electrification with Floating Wind and Micro Grids**  
Blair MacDougall, President, Waterford Energy Services Inc



**Decarbonizing Offshore O&G Assets**  
Boyd Howell, Director Sales & Marketing, MODEC



**Hywind Tampen**  
Leif Delp, Head of Floating Offshore Wind Technology, Equinor, New Energy Solutions

09:15 am - 09:45 am

Panel Discussion

09:20 am - 09:45 am

FWS Deep Dive Sessions with Q&A (3rd Floor)



**Transformative Geo-data: Integrated site characterization for floating offshore wind**  
Margarita McInnis, Business Development Coordinator, Offshore Wind Americas, Fugro

09:45 am - 10:30 am

Coffee Break (Exhibition Area)



10:30 am - 12:15 pm

Session VI : Power Cables and Substations



**De-risking dynamic 145 kV cables - enabler for large float wind projects**  
Oyvind Iversen, Principal Engineer Dynamic Cables, Nexans Norway



**How many quick connections is the perfect amount to create the optimum inter array cable system?**  
Michael Mitchell, Business Development Manager, Siemens Energy



**New design approach to filling the gaps of industry codes for submarine power cable applications**  
Jeff Whipple, Subsea Technical Lead, Doris Group



**Certification of Dynamic Subsea Power Cable**  
Samuel Tanné, Subsea Engineer, Pipelines, Risers, Umbilicals & Power Cables, Bureau Veritas Marine & Offshore



**Subsea Substation and Collector – "Gamechanger for Offshore Wind"**  
Kevin Pearce, Vice President Business Development, Aker Solutions US

11:45 am - 12:15 pm

Panel Discussion

11:50 am - 12:15 pm

FWS Deep Dive Sessions with Q&A (3rd Floor)



### Navigating Innovation: Overviews of SCALEWIND JIP and OC7 Project, Seeking Industry Engagement for Advancing Floating Offshore Wind Technology

*Dr. Amy Robertson, Offshore Wind Group Manager, National Wind Technology Center, National Renewable Energy Laboratory*

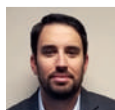
12:15 pm - 01:30 pm

Lunch (Exhibition Area)



1:30 pm - 03:15 pm

Session VII : WTG and Foundation Standardization



### Product standardization or site customization? Leveraging on Principle Power's experience to find the optimal solution.

*Bruce Martin, Senior R&D Engineer, Principle Power*



### Evaluation of Floating Wind Foundations

*Phil Nash Senior Project Engineer, Waterford Energy Services Inc.*



### An OEM view on the market

*Nina Hoffmann Volmar, Associate Director, Offshore Sales, Vestas*



### A Perspective from Vessel Installation Contractors - Build the Right Vessel

*Thijs Nieuwenhuis, Solution Developer, Huisman Equipment*

02:45 pm - 03:15 pm

Panel Discussion

02:50 pm - 03:15 pm

FWS Deep Dive Sessions with Q&A (3rd Floor)



### A view on the future installation market

*Joost van der Wiel, Tender Manager, Jumbo Offshore*

03:15 pm - 04:00 pm

Coffee Break (Exhibition Area)



04:00 pm - 05:45 pm

Session VIII : Mooring Systems



### GoliatVIND – Maturing Solution, Reducing Risk and Preparing Supply Chain

*Kenneth Fossoy, VP Business Development, Odfjell Oceanwind AS*



### Is Nylon the Best Rope for Taut Moored FOWTs in Harsh Environments?

*Yusuf Arian, Senior Project Manager, 2H Offshore*



### Lessons learned from supplying mooring systems in complex contractual setups

*Leo Bello, Chief Commercial Officer, Delmar Systems*



### Case Study - Application of Torpedo Piles for Floating Offshore Wind Turbines

*Pedro Rabelo, Head of Anchartec Solutions, DELP - Anchartec Solutions*



### Mooring Systems & Solutions - Supply Chain Challenges

*Sander van Helvoort, Director Renewable Energy, FibreMax*

05:15 pm - 05:45 pm

Panel Discussion

05:45 pm - 06:00 pm

Speaker Awards (Session Area)

06:00 pm - 07:00 pm

Closing Networking Happy Hour (Lobby Bar)



# South America Offshore Wind '24

September 17-19,  
Sheraton Grand, Rio de Janeiro



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# FWS South America Offshore Wind '24

September 17-19  
Sheraton Grand, Rio de Janeiro

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**Brazil  
Energy  
Insight**

Floating Wind - Deepwater Oil & Gas



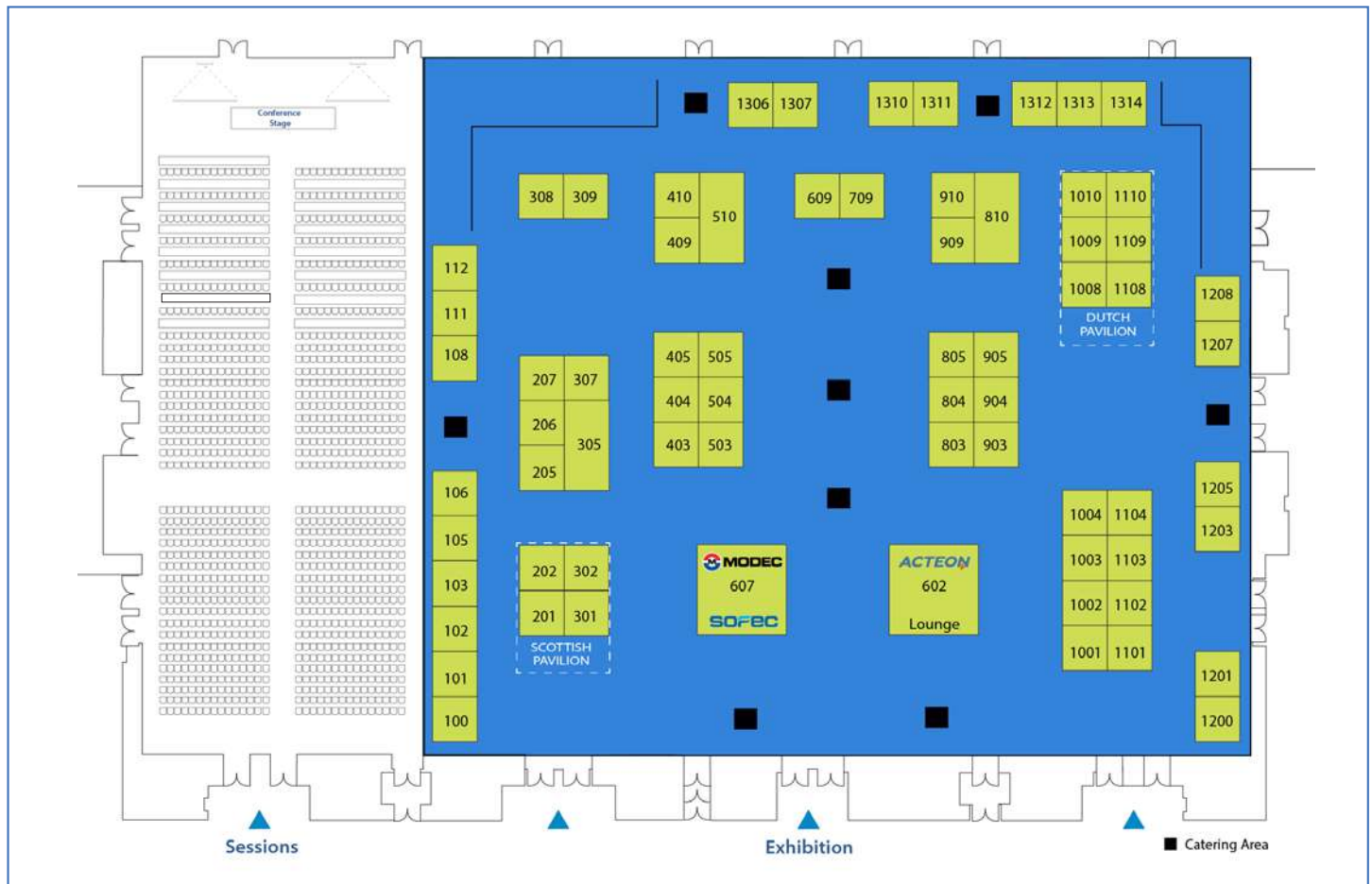
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101	Bardex	409/410	Lankhorst Offshore	1008	Smulders
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104	Sheffiled Forgemasters	504	Delmar Systems	1010	N-Sea
105	Orcina	505	DeepWater Buoyancy	1101	Sonardyne
106	Convergent Science	510	RenewableUK	1104	Roxtec
108	Cortland Company	602	Acteon	1108	Marin
111	Quest Floating Wind Energy	607	Modec / Sofec	1109	Corrosion
112	FWS South America Offshore Wind	609	Principle Power	1110	Huisman
201/202	Scottish Development Int. - SDI	709	Wartsilla	1200	Great Circle Wind Associates
205	SEAS Geosciences	803	TDI Brooks	1201	Aikido Technologies
206	Pelastar	804	DSR	1203	CRC Distribution
207	Vicinay Marine	805	Balmoral	1205	Odjfell Oceanwind
301	SCHOTTEL Marine Technologies	903	FibreMax	1207	Bassoe Technology / CIMC Raffles
305	Proserv	904/905	DNV	1208	Enduro Softslings
307	Mooreast	909	Timberland Equipment	1306	Bluewater
308	Havfram	910	Moog Focal	1307	Bureau Veritas
309	Kongsberg	1001	Dof Subsea	1310/1311	Fugro
403	Bexco	1002	Ocean Energy Safety Institute	1312	SUT
404	Forum Energy Technologies (FED)	1003	Griffin-Woodhouse LTD	1313	MTS
				1314	IMCA

### EXHIBITORS alphabetical

ABS	503	DSR	804	Odjfell Oceanwind	1205
Acteon	602	Enduro Softslings	1208	Orcina	105
Aikido Technologies	1201	FibreMax	903	Pelastar	206
Applied Fiber	405	Forum Energy Technologies (FET)	404	Principle Power	609
Balmoral	805	FWS South America Offshore Wind	112	Proserv	305
Bardex	101	Fugro	1310/1311	Quest Floating Wind Energy	111
Bassoe Technology / CIMC Raffles	1207	Great Circle Wind Associates	1200	RenewableUK	510
Bexco	403	Griffin-Woodhouse	1003	Roxtec	1104
Bluewater Energy	1306	Havfram	308	SBM Offshore	100
Bureau Veritas	1307	Huisman	1110	Sheffield ForgeMasters	1004
Convergent Science	106	IMCA	1314	SCHOTTEL Marine Technologies	301
Corrosion	1109	Kongsberg	309	Scottish Development Int. - SDI	201/202
Cortland Company	108	Lankhorst Offshore	409	SEAS Geosciences	205
CRC Distribution	1203	Marin	1108	Sheffiled Forgemasters	104
DeepWater Buoyancy	505	Modec/Sofec	607	Smulders	1008
Delmar Systems	504	Moog Focal	910	Sonardyne	1101
Delp	102	Mooreast	307	SUT	1312
DEME/SPT	1009	MTS	1313	TDI Brooks	803
DNV	904/905	N-Sea	1010	Timberland Equipment	909
Dof Subsea	1001	Ocean Energy Safety Institute	1002	Vicinay Marine	207
				Wartsilla	709

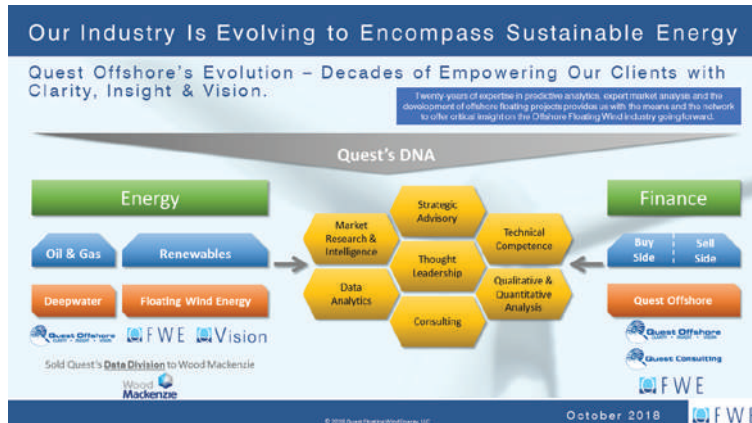
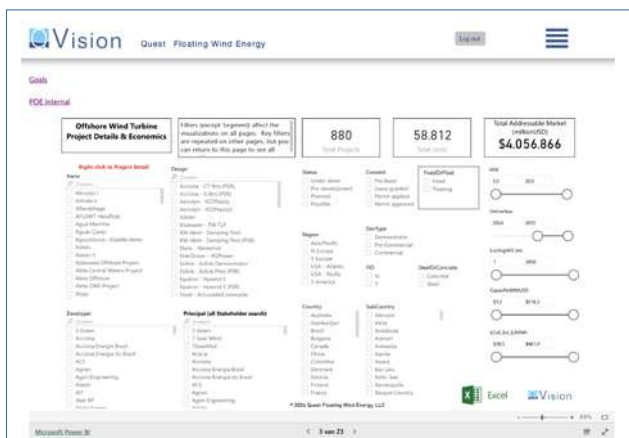




## The Quest DNA

Within Q FWE our team assembles over 125-years of experience and professional networks focused to provide economic, technical and commercial Clarity, Insight and Vision. Backed by twenty-years of expertise in data analytics, analysis and the development of offshore and deepwater projects provides us since 2017 with the means and the network to offer critical insight on the Offshore Wind industry going forward.

Q FWE has created a dedicated offshore wind projects database covering both fixed and floating technology, with a focus on floating. Our proprietary Q Vision tool tracks and monitors projects and their supply chain from very early planning to commissioning and O&M. This dynamic tool provides a continuous feed of strategic insight, tactical information and robust data analytics throughout each stage



## Q Vision

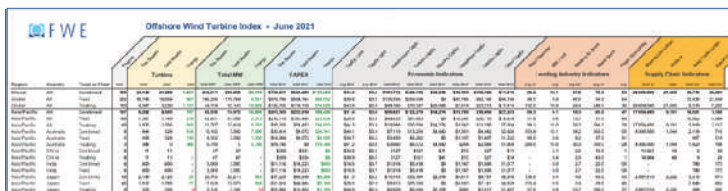
Q Vision is our proprietary Business Analytics' tool delivering real-time data and analysis giving you a competitive advantage to win Fixed and Floating Offshore Wind Energy projects. This Microsoft Power BI tool allows for dynamic analysis of relationships across markets and technologies; robust benchmarking as well as an enhanced understanding of project economics including LCoE. Q Vision offers 15 different "lenses", each offering a unique perspective on this fast growing industry. Once parameters have been set, the user can view a data table of all projects contained in the results through the Full Project Data lens.

Q FWE's Q Vision system tracks over 200 data fields for all floating wind energy projects in all stages of development. This dynamic tool provides a continuous feed of strategic insight, tactical information and robust data analytics throughout each stage of the supply chain.

Research - Market Data - Consulting

## Quest Offshore Wind Turbine Index QOWTI

Quest Offshore Wind Turbine Index (QOWTI) illustrates the Total Addressable Market for global Offshore Wind. QOWTI spots important leading indicators such as average rotor diameter, average distance to shore, average MW per unit, average number of units per project in addition to benchmarking of key metrics and CapEx trends. It is published periodically at industry benchmark moments.

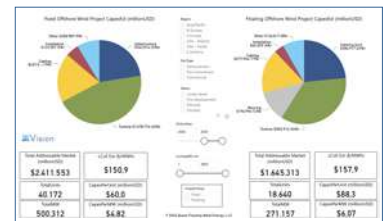




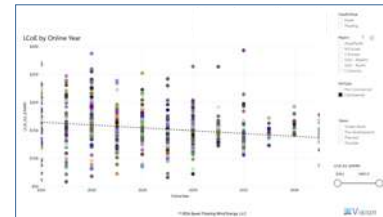
### Q Vision: Project Details & Economics (PDE)

- your eyes on the market

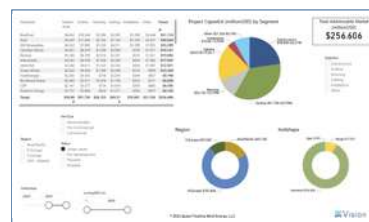
This annual access tool allows the user to investigate numerous market facets of the Offshore Wind market. The Q Vision CapEx module offers 15 distinct lenses covering the value of supply chain segments Floater, Turbine, Mooring, Cabling and Installation. The different lenses focus on developer, designer and regional differences for the future total spend—Total Addressable Market, as well as numerous tools to analyze LCoE. Includes backing data in MS Excel.



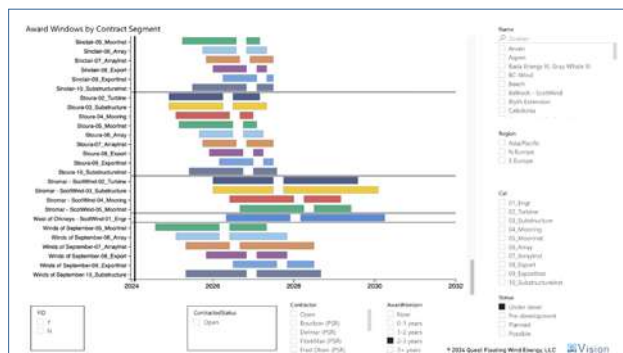
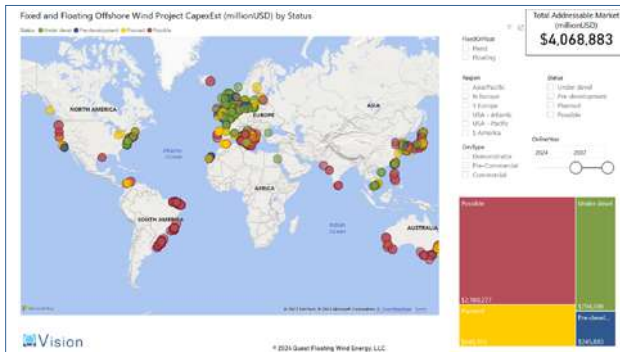
Compare Fixed & Float



LCoE by CoD



CapEx by Region, Hull Shape and Segment



### Q Vision: Supply Chain Opportunities (SCO)

- get ahead of the curve

Easy access to the world's most accurate data on the Offshore Wind market Supply Chain Opportunities, contract sequencing and open awards.

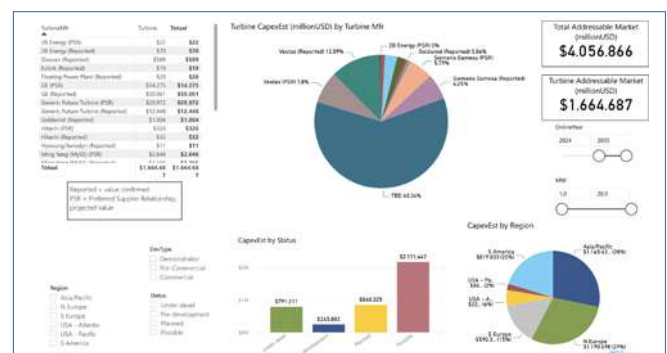
The Q Vision subscription service is a dynamic platform in Microsoft Power BI enabling our clients efficient mining of our comprehensive project data into dynamic charting which provides quick actionable insights supported with full project details. These analytical tools are essential for forecasting and very useful for getting a quick overview of the potential future market for Turbines, Substructures, Moorings, Subsea Power Cables, Installation services and ultimately O&M activities

### Q Vision: Offshore Turbine Locator (OTL)

- the helicopter view

Easy access to the world's most accurate data on the Offshore Wind market. Quest is currently tracking 1400+ projects (half of which are floating projects) with detailed CapEx and project planning info per segment (turbine, floater, mooring etc).

The Offshore Turbine Locator tracks both Bottom-Fixed and Floating Offshore Wind Projects by total MW bubble size on a world map, cumulative total MW to 2038 and beyond, and cumulative total MW by country. Each page has filters for Status, Region, Fixed or Floating, Development Type and Startup Year range. Includes backing data in tabular format on Page 9 and an MS Excel download.





# Operational Floating Wind Projects

February 2024



**2009**

Unitech Zefyros  
(fmr Statoil/Equinor Hywind I)  
1 unit 2.3 MW  
Norway



**2016**

Toda Goto Sakiyama  
1 unit 2.1 MW  
Japan



**2017**

Equinor Hywind Scotland  
5 units 30 MW  
Scotland

**2018**

BW Ideol Floatgen  
1 unit 2MW  
France



**2018**

Nedo Hibiki  
1 unit 3 MW  
Japan



**2019**

WindFloat Atlantic  
3 units 25.2 MW  
Portugal

**2021**

CTG Yangxi West Shapa Demo  
1 unit 5.5 MW  
China



**2021**

Flotation Energy Kincardine  
5 units 47.5 MW  
Scotland



**2021**

RWE TetraSpar Demo  
1 unit 3.6 MW  
Norway



**2022**

Hywind Tampen  
11 units 94.6 MW  
Norway



**2023**

CSSC - Zhanjiang Xuwen Pilot  
1 unit 6.2 MW  
China



**2023**

CNOOC - Wenchang  
Deep Sea Floating  
1 unit 7.5 MW  
China



**2023**

Longyuan Nanri Island  
1 unit 4 MW / Solar & Fishfarm  
China

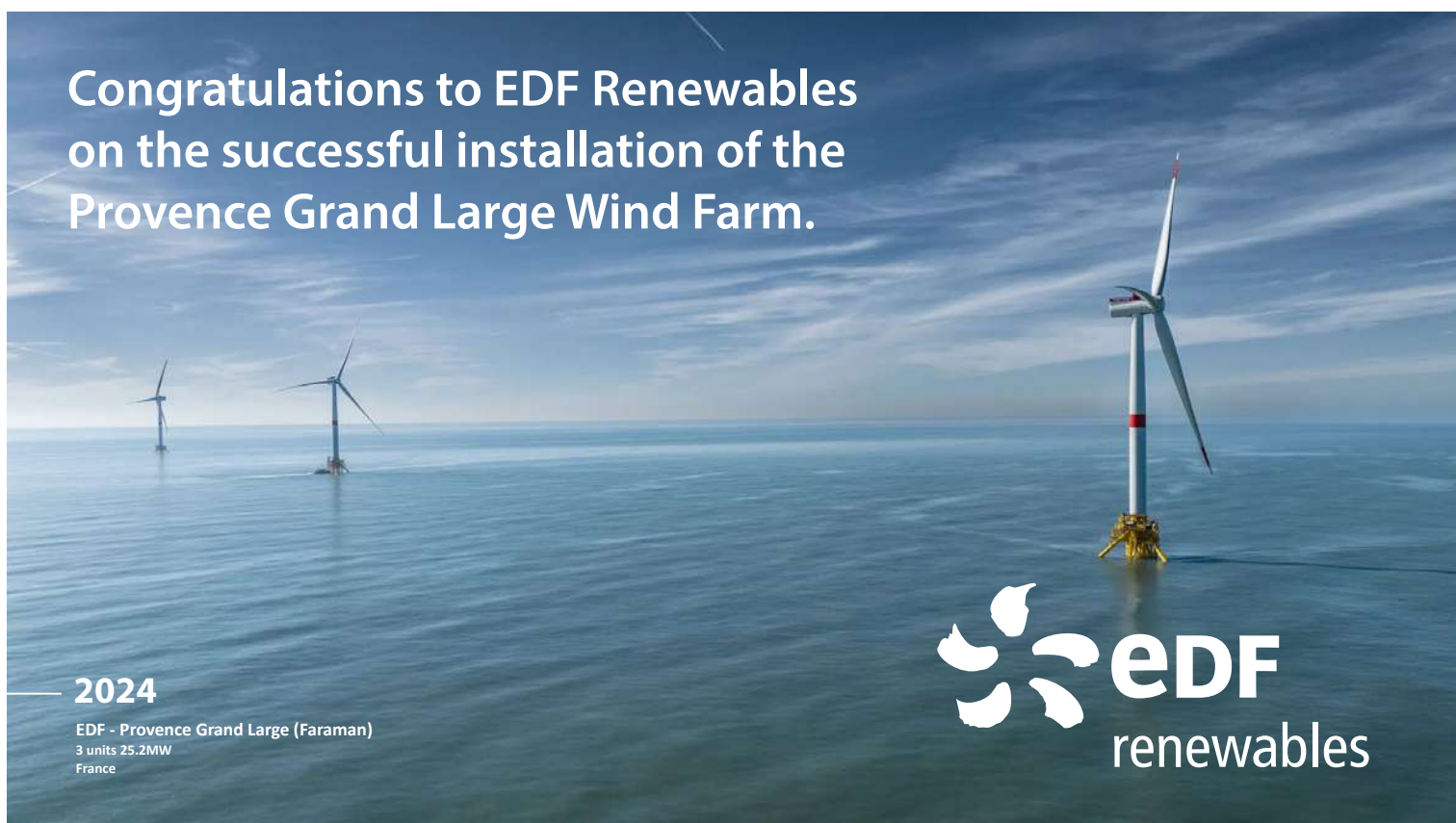
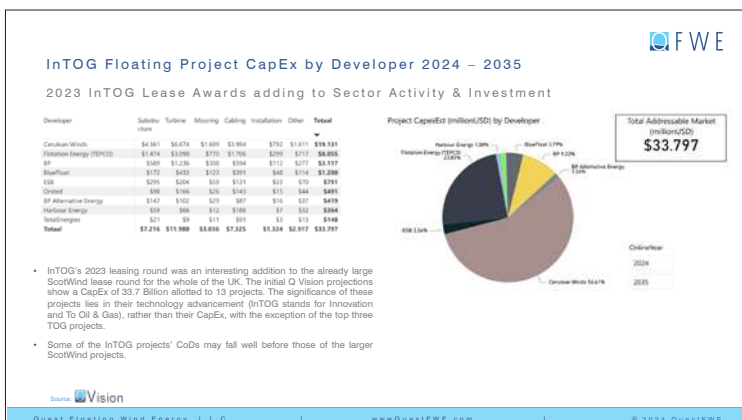
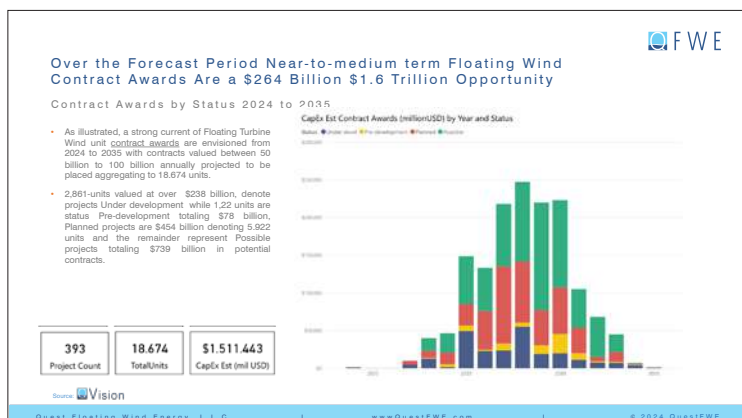


**2023**

RWE - DemoSATH 2023  
1 unit 2.3 MW  
Spain

**RWE**

Powered by Q Vision





# INTERNATIONALLY RECOGNIZED LEADER IN **FLOATING** OFFSHORE WIND

