



# Q FWE Market Overview

July 2018

SAMPLE

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SAMPLE

# Who We Are

# Our Industry Is Evolving to Encompass Sustainable Energy

Quest Offshore's Evolution

## Quest's DNA

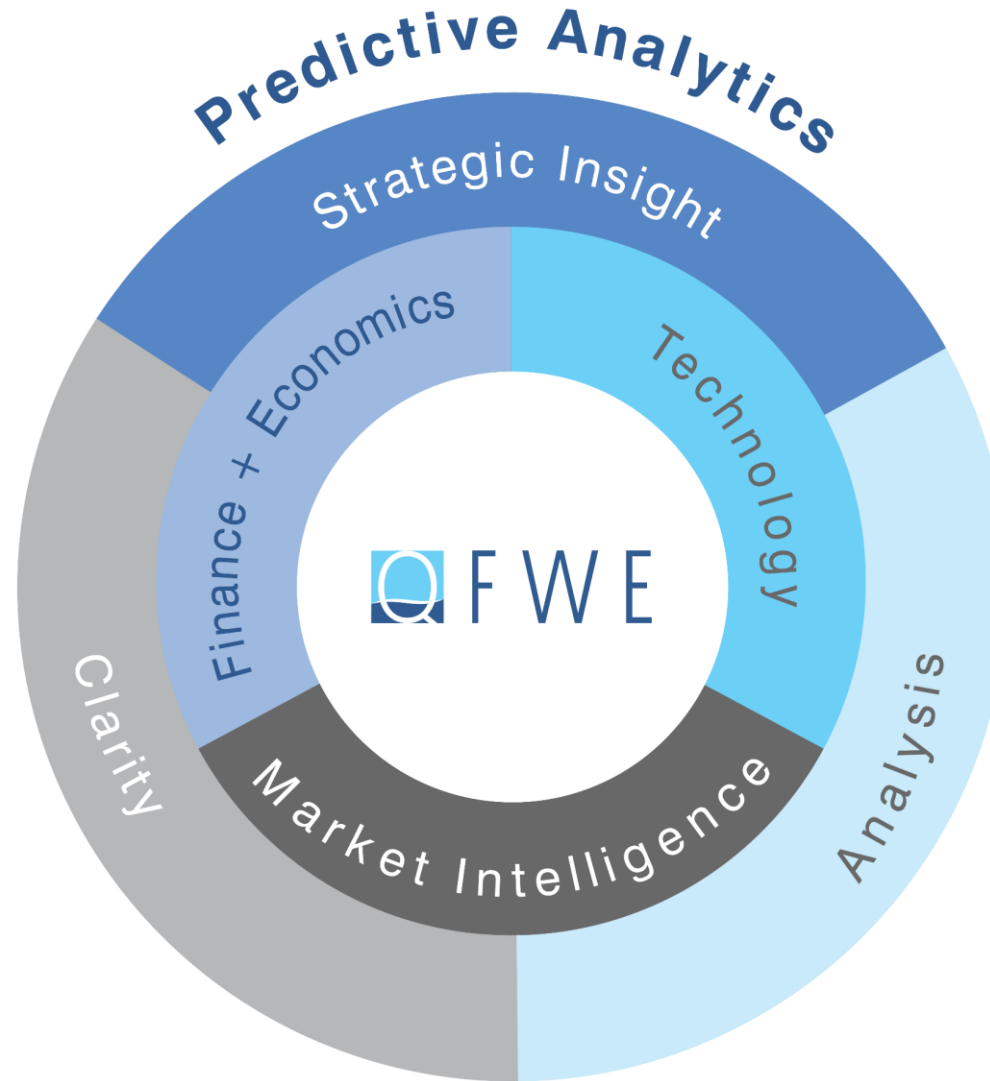


Sold Quest's Data Division to Wood Mackenzie



## What We Do

The **Q FWEconomics Calculator** coupled with **Quest FWE's Predictive Analytics, Q FWE Consulting** and **Q FWE's Data Subscriptions Service** will facilitate our customer's ability to drive strategic, data driven decisions.



The application of Quest FWE's predictive analytics can highlight key areas and offer clarity for critical decision points.

Q FWE's proprietary 'Deep Data' and dynamic client user-interface are powerful tools to analyze future market conditions and actively monitor the global supply chain for Floating Wind Energy.

# Macro Perspective

*Wind Penetration Levels Continue to Increase Rapidly*

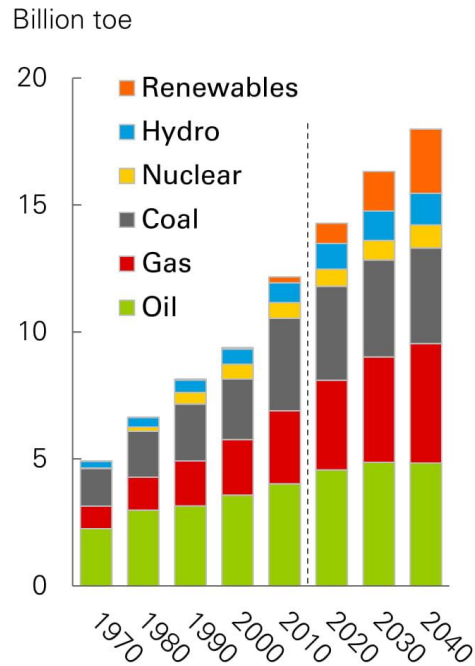
# The World's Energy Transition Continues

Shifting Energy Mix

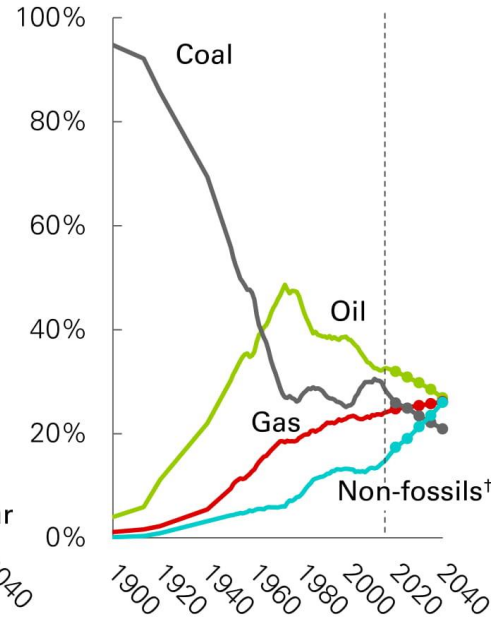
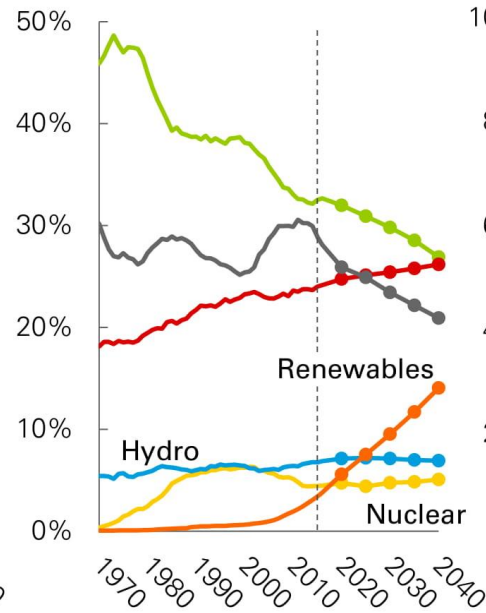
The transition to a lower carbon fuel mix continues...



Primary energy consumption by fuel



Shares of primary energy



† Non-fossils includes renewables, nuclear and hydro

2018 BP Energy Outlook  
© BP p.l.c. 2018

- ❖ Growth in natural gas surpassing coal & oil (at 1.06% growth pa).
- ❖ Rapid growth in renewables ~7% pa (to 2040) drives shifting energy mix.
- ❖ This highly diversified 'Fuel Mix' sees renewables accelerating to nearly a 20% share long-term.
- ❖ Equinor (Statoil) plans to invest up to 20% of its capital in renewable energy by 2030.

# Market Overview – Floating Wind



# Current & Possible Projects

in Total MW



## Number of Current FTUs - 233

By Region & Hull Type



Semi  
**54**



Barge  
**56**



Spar  
**119**



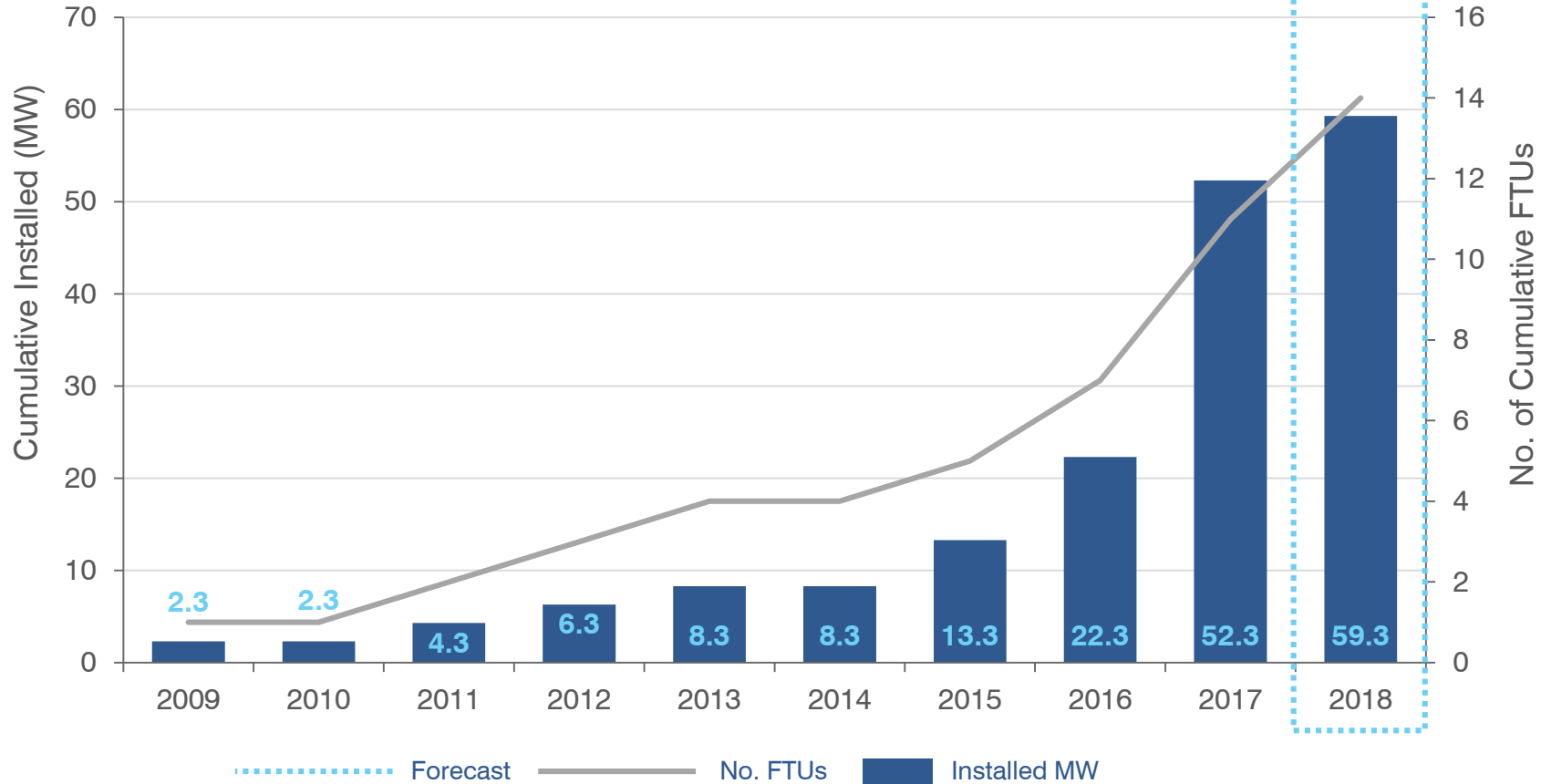
TLP  
**4**



# Installed Floating Wind (2009-2018) and forecast 2030

> 800 floaters installed by 2030\*

Cumulative Installed Floating Offshore Wind (2009-2017)



Forecast to 2030  
Known Projects

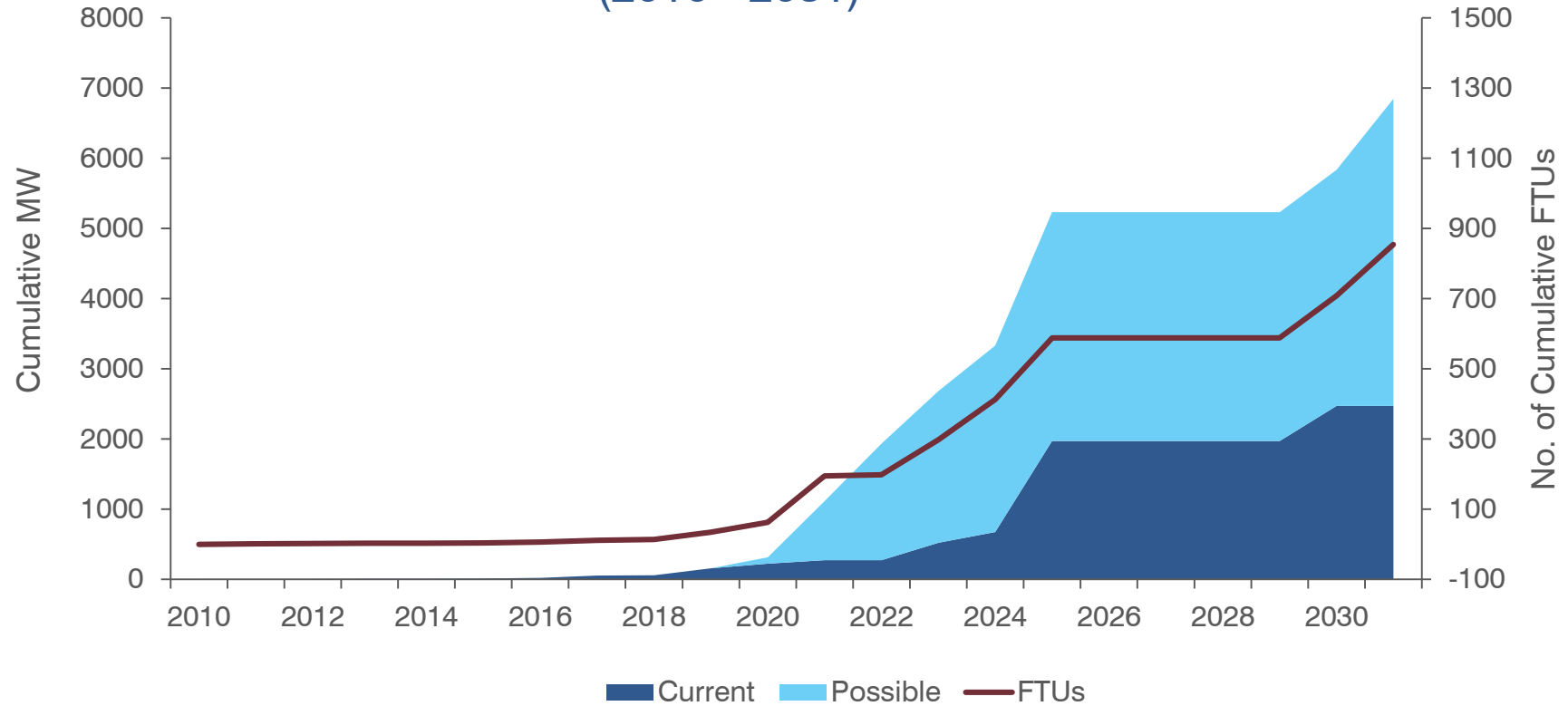
- 2021  
**1.1 GW**
- 2025  
**5.2 GW**
- 2031  
**6.8 GW**

\*Current & Possible

# Floating Wind Energy Forecast

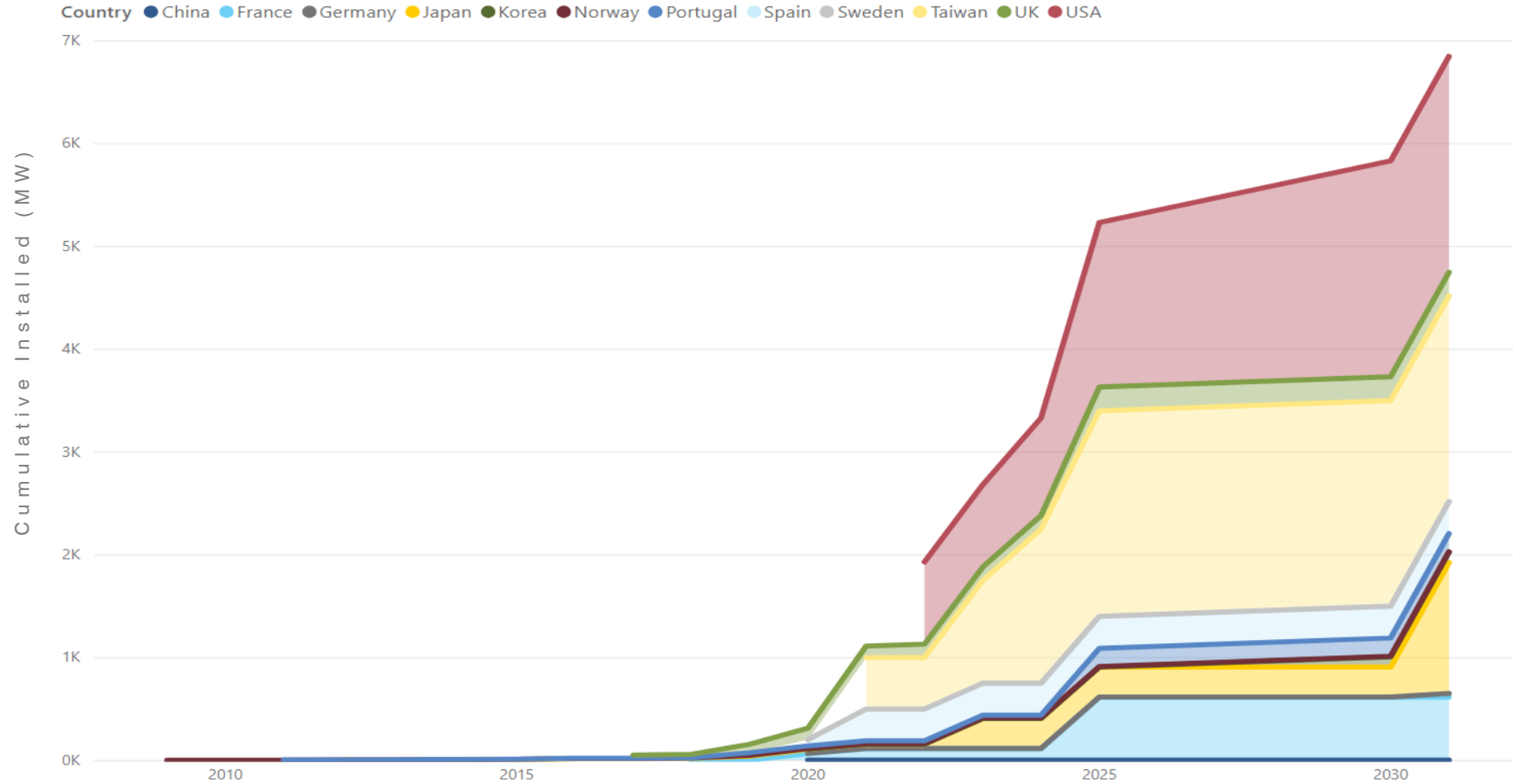
2010 to 2031

## FTU Cumulative MW - Current & Possible Projects (2010 - 2031)



# Cumulative Total MW by Country

## Current & Possible Projects



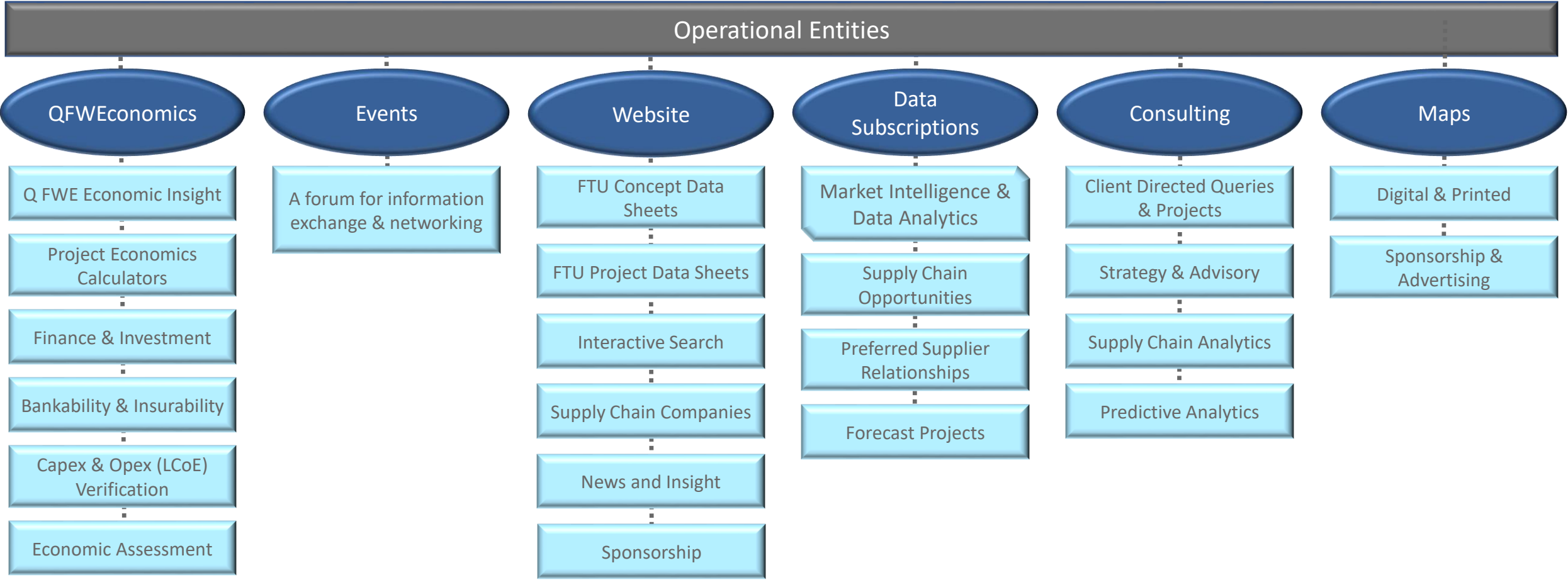
# About Us

*Houston | Amsterdam | New York*

# Organizational Structure

**Quest Floating Wind Energy, LLC**

a Quest Offshore Resources Company



## Quest - Who We Are

**Quest Offshore Resources** is dedicated to providing market expertise, strategy & advisory, data analytics, market research and technical conferences to our clients including **MCE-Deepwater Development**, a leading deepwater oil & gas event in Europe, now in its 15<sup>th</sup> year. Quest recently formed a partnership **Gulf Quest LLC** with Gulf Publishing Company for joint operation of offshore conferences and events dedicated to the advancement of global exploration and production and related deepwater technologies.

In 2018 Quest launched a SaaS business **Q FWE – Quest Floating Wind Energy, LLC**. focused on Economics & Finance, Technology and Market Intelligence within the alternative energy landscape focused on offshore wind, specifically floating wind energy. Q FWE's mission is to unite, educate and expand the global offshore floating wind industry leveraging Quest Offshore's resources and vast experience to connect and bridge the various disciplines and services within this burgeoning sector.

Twenty-years of expertise in data analytics, analysis and the development of offshore floating projects provides us with the means and the network to offer critical insight on the FWE industry going forward. Q FWE has created a dedicated FWE projects' database, monitoring projects and their supply chain from 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 of the supply chain.



# Our Purpose – Delivering Clarity, Insight & Vision to the Floating Wind Energy industry

- ❖ Deliver strategic insight, economic and financial analysis.
- ❖ Provide world-class “deep data” to drive data analytics that informs better decision making.
- ❖ Develop the case for accelerating public and private investment.
- ❖ Drive innovation in design and usage of applied technologies.
- ❖ Support wind energy policy and government support in partnership with private industry.
- ❖ Enhance global connectivity between public, private, academic and individual stakeholders .
- ❖ Create a forum for information exchange and opportunities for networking via industry events.
- ❖ Serve as an active industry participant.

# Quest Floating Wind Energy, LLC

Houston | Amsterdam | New York

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