



# Global Offshore Wind

Meet your financial, sustainability, and reliability commitments  
with end-to-end wind generation solutions from Black & Veatch.



**BLACK & VEATCH**



# Your Guide to Offshore Wind Generation

Offshore wind is growing exponentially as part of the new energy mix and Black & Veatch has the capabilities, experience and relationships to help developers and OEMs successfully deliver these projects.

We have global experience with major generation and project developers and have a deep understanding of their transmission systems, as well as strong relationships with utilities around the world.

Our robust EPC and services experience features procurement with a vetted offshore wind supply chain which includes prominent equipment manufacturers, suppliers, and contractors, allowing delivery of quality equipment, development and construction services.

This experience means we understand how to successfully deliver a project on time and on budget, as well as the specific services that are often a part of that for offshore wind including project labor agreements, staff augmentation and port marshalling.

Long-standing relationships and experience working with utilities around the world paired with offshore wind, Floating LNG and marine energy expertise positions Black & Veatch as a trusted and reliable partner for your offshore wind needs.

**60+ Years**

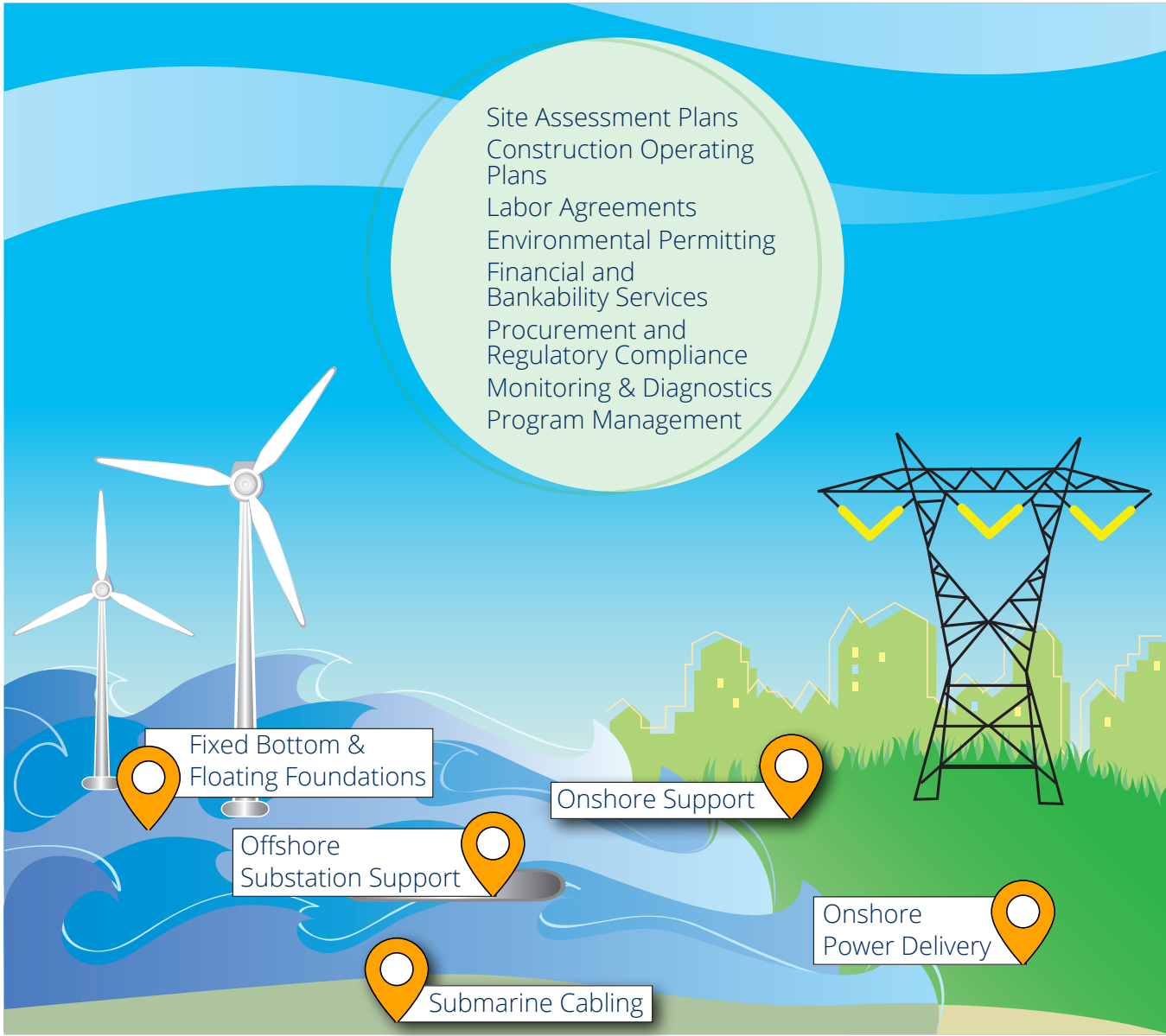
of substation experience

**50+ Years**

floating LNG, marine and tidal energy project experience

# Proven Solutions and Services

Our comprehensive offshore solutions, including floating wind, onshore power delivery and submarine cabling combine with our full suite of planning and execution services to help our clients maintain safety, profitability and compliance.



**25+ Years**

EPC Experience

**56+ GW**

global wind project experience

# Global Project Experience

Black & Veatch is excited about a growing global offshore wind market, including project activities in the United States, Europe, Asia, and other regions. Our related projects run the full gamut of services and related technologies and are sampled below.

## Due Dilligence

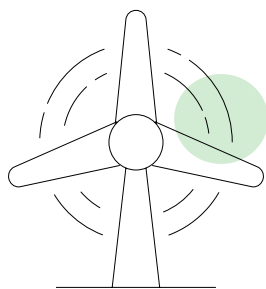
### Huaneng Rudong Offshore Wind

A buy side due diligence project for UBS across a portfolio of assets including conventional power, onshore wind and offshore wind. The Black & Veatch UK team undertook the technical due diligence services on Huaneng Rudong a 300MW offshore wind farm in China. The scope of work included; review of the wind farms' major equipment, its suppliers and the overall appropriateness of the technology, operations and maintenance procedures, financial model, permits and energy production analysis.

## Onshore Power Delivery

### Block Island Wind Farm and Transmission Line Project

Black & Veatch provided engineering design and conceptual exploration services for the Block Island Transmission System and Block Island Wind Farm Project. The projects included a new 35 kV armored submarine power cable, approximately 22 miles, to serve as the electrical connection between five wind turbines off the coast of Block Island and the mainland Rhode Island.



## Tidal Power

### Orbital Marine Power

#### Lead Engineering Partner

Black & Veatch is Orbital Marine Power's Lead Engineering Partner to support technology optimisation in a €5m programme to identify and de-risk innovations capable of accelerating cost reductions for tidal stream energy. The work included creating a digital twin of Orbital's current turbine design that allows the team to model turbine improvements and identify which advances deliver the lowest levelised cost of energy across the entire turbine lifecycle.

## Floating Wind

### Marine Power Systems

#### Owner's Engineer

Marine Power Systems selected Black & Veatch for the Owner's Engineer project coordination role for the development of its unique floating wind and wave energy generation hardware. Working as an extension of Marine Power Systems' technical team, Black & Veatch led elements of the project, providing technical quality assurance and helping identify and manage technical and programme risk. The role also encompassed quality, health, safety and environment management and supervision as well as supporting the technology certification process.