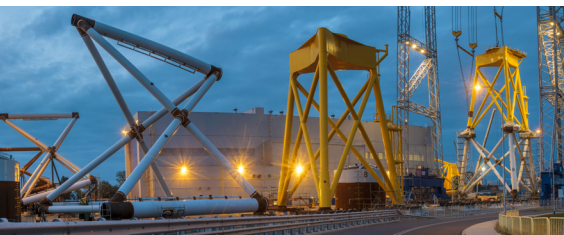




# Offshore Wind Services & Capabilities

Offshore wind is entering an age of greater certainty. Federal, state and local regulators are becoming accustomed to the unique environmental considerations surrounding the development of offshore wind farms. As such, developers require a consultant who understands these needs, and can apply its offshore wind experience, environmental and regulatory knowledge, and established relationships with regulators to each project.

Based on our in-depth lead regulatory, permitting, and technical experience, VHB is able to identify and address potential impacts to schedule and mitigate risk while supporting the planning, siting, construction, and operational phases of offshore wind projects.



## Lead Regulatory, Permitting and Technical Consultant Services

VHB provides lead consultant services to large-scale offshore wind projects by managing and conducting efforts that adhere to BOEM regulations, as well as federal, state, and local permitting requirements. Our knowledge of the regulatory environment and relationships with local development authorities, municipalities, and state agencies, together with key partnerships, allow us to provide the full-suite of professional and cost-effective services to our clients, making VHB a vital part of any development team.

### Revolution Wind | Rhode Island

VHB served as the lead regulatory, permitting, and technical services consultant, managing the development of the Construction and Operations Plan and all federal, state, and local permitting efforts, as well as ecological, engineering, land survey, acoustic assessment, and contaminated soil assessment services for this 704 MW offshore wind farm project.

As a trusted partner to Orsted, VHB managed a large, diverse team of subconsultants, employing the proven experience of each to maintain the alignment of offshore and onshore project components. We leveraged our local experience and relationships to meet project needs and support individual and programmatic meetings with federal and state regulatory agencies and municipalities.

## VHB Delivers:

-  Site Selection Services
-  Surveys & Assessments
-  Site Assessment & Construction and Operations Plan Development
-  Federal, State & Local Permitting
-  Stakeholder Outreach & Engagement
-  Transmission & Grid Interconnection Planning, Analysis & Permitting
-  Port and Substation Design & Permitting
-  Local, Regional & State Supply Chain Support

VHB is the right partner for offshore wind development. We provide strong technical excellence, deep local knowledge, and meaningful relationships, developing and maintaining strong ties with local, state and federal regulators and decision makers. VHB's team of passionate professionals understands how to move projects through the lifecycle. We focus on navigating the regulatory waters to guide and support our clients, providing comprehensive, integrated solutions to challenging and complex offshore wind development projects.

### South Fork Wind Farm | New York

VHB analyzed two different terrestrial cable routes positioned to connect the 130 MW South Fork Wind project to land-based electrical substations. The team prepared a Critical Issues Analysis and contributed to the preparation of the Construction and Operations Plan, supervised the development of an Acoustic Analysis for the proposed onshore substation, and assisted with the preparation of the Article VII application submitted to the NY Public Service Commission. VHB's understanding of the local community and stakeholder concerns helped to facilitate the extensive analysis, leading the Public Service Commission to affirm that the project could be built with minimal impact to the environment and the community, while simultaneously helping the Town of East Hampton and New York state reach their clean-energy goals.

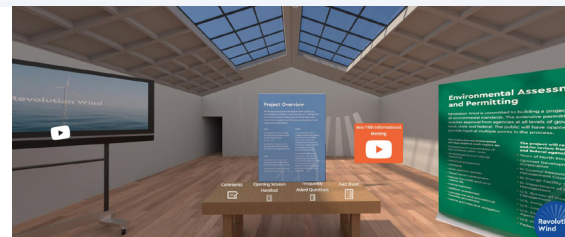


### Block Island Wind Farm Logistics Hub | Block Island ▲

Utilizing our proven environmental, land and port development experience, VHB worked with local and regional stakeholders, the project developer and the turbine manufacturer to design and construct a first of its kind logistics facility in the Port of Providence. VHB provided engineering and permitting services for the facility which supported staging and assembly for the 30 MW Block Island Wind Farm, America's first offshore wind farm. VHB brought local knowledge and an understanding of the offshore wind the market to drive this complex project's successful and timely outcome.

### Revolution & Ocean Wind Virtual Stakeholder Meeting Programs | Northeast US

VHB developed, hosted and moderated virtual stakeholder meetings for both the Revolution Wind and Ocean Wind projects in customized Virtual Meeting Spaces, hosting hundreds of stakeholders in several virtual events. VHB worked with Orsted and Eversource to create an interactive meeting space that allowed stakeholders to access and explore project information anywhere, anytime and at their own pace. VHB staff facilitated stakeholder meetings ensuring that all participants had a chance to submit their questions and receive answers from qualified subject matter experts. Our experience helped guide the thoughtful design of the Virtual Meeting Spaces and demonstrate how virtual stakeholder meetings can be an effective way to facilitate outreach efforts when in-person meetings are not possible.



### Sunrise Wind Farm | New York ▲

VHB completed utility investigation, topographic and property surveying for proposed onshore cable route and substation in support of Sunrise Wind, an approximately 880 MW offshore wind farm. VHB's local knowledge, experience and relationships have been integral to addressing sensitive aspects of the project, helping to facilitate successful outreach and project understanding with state agencies and local utility, cable and water companies.

## VHB Offshore Leadership

Our team has extensive experience delivering innovative solutions to clients in the energy market with specific experience dedicated to offshore wind. They have been at the forefront of developing and executing permitting and stakeholder engagement strategies to advance offshore wind projects nationally, bringing a deep knowledge of energy policy, trends and insights, and the regulatory drivers impacting the market.



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VHB's Offshore Wind leaders are supported by a large team of **more than 1,600 engineers, scientists, and planners throughout 30 offices** on the East Coast, bringing an in-house mix of disciplines and skill levels to deliver on projects nationwide.

## Integrated Services for Offshore Wind

Air, Noise & Vibration Analyses  
Aboveground Cultural Surveys  
Agency Coordination  
Construction & Operations Plan Development  
Due Diligence Studies & Critical Issues Analyses

Energy Project Siting  
Environmental Permitting & Regulatory Compliance  
GIS Mapping, Remote Sensing, & Predictive Modeling  
Land Survey & Data Management

Resiliency/Vulnerability Assessments  
Site Assessment Plan Development  
Site Civil & Stormwater Engineering  
Site Investigation & Remediation Services

Stakeholder Outreach & Engagement  
Structures Design & Engineering  
Third Party Environmental Impact Statements  
Threatened & Endangered Species Surveys

Transportation Engineering & Mobility Studies  
Visual Impact Analysis & Simulations  
Wetland & Natural Resource Field Investigation

## Connect with us

To learn even more about how VHB is advancing offshore wind development along the East Coast, please scan the QR code or visit [www.vhb.com/offshore-wind](http://www.vhb.com/offshore-wind)

