



NATIONAL OFFSHORE WIND

RESEARCH & DEVELOPMENT CONSORTIUM

Established in 2018, the National Offshore Wind Research and Development Consortium (NOWRDC) is a nationally-focused, not-for-profit, public-private partnership dedicated to managing industry-focused research and innovation to reduce the levelized cost of energy (LCOE) of offshore wind in the U.S. while maximizing other economic and social benefits.

NOWRDC advances the U.S. offshore wind industry through:

High-Impact Research & Development

Building strong networks connecting technology innovators, investors, and industry



NOWRDC has awarded **\$31 million** to 46 different projects in the following 7 technical categories

I Supply Chain and Logistics

II Electrical Power Systems

III Operations and Maintenance and Safety

IV Environmental and Conflicting Use

V Wind Resource and Site Characterization

VI Floating Structure Engineering

VII Fixed Structure Engineering



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In New York

NOWRDC provides over \$16m in total funding to 19 projects executing offshore wind research and development across the State of New York.

Cornell University

Reducing LCoE from Offshore Wind by Multiscale Wake Modeling

Right Wind: Resolving Protected Species Space-Use Conflicts in Wind Energy Areas

Subcontracting with NREL

Wind Farm Control and Layout Optimization for U.S. Offshore Wind Farms

GE Research

Weld Assembly of Large Castings

Autonomous Vessel-Based Multi-Sensing System for Inspection and Monitoring

GE Research

DC Collection and Transmission for Offshore Wind Farms

Impact of Low Level Jets on Atlantic Coast Offshore Wind Farm Performance

Enabling Condition Based Maintenance for Offshore Wind

Radar Based Wake Optimization of Offshore Wind Farms

Self-Positioning Single Blade Installation Tool

SUNY Maritime

Subcontracting with ThayerMahan

Transmission and Export Cable Fault Detection and Prevention Using Synthetic Aperture Sonar

Offshore Wind Consultants

Shared Landfall and Onshore Cable Infrastructure for Cable Colocation Feasibility Study

Subcontracting with Virginia Tech

Dual-Functional Tuned Inerter Damper for Enhanced Semi-Sub Offshore Wind Turbine

Subcontracting with Deep Reach Technology

Application of Novel Offshore Oil & Gas Platforms to Large Wind Turbines

ULC Robotics

UAS to Transform Offshore Wind

Tagup Inc.

Survival Modeling for Offshore Wind Prognostics

AWS Truepower

Subcontracting with WHOI
Development of a Metocean Reference Site near the MA & RI Wind Energy Areas

Technology From Ideas (tfi)

Subcontracting with Principle Power Inc.
Demonstration of Shallow-Water Mooring Components for FOWTs (ShallowFloat)

The New York State Energy Research and Development Authority and the New York Power Authority are NOWRDC members