

## FLOATING OFFSHORE WIND TECHNOLOGY SOLUTIONS

### UNIVERSITY OF MAINE SPIN-OFF COMPANY

- ◆ 30+ years of Floating Wind Design Expertise
- ◆ 50+ Person Team Focused on Floating Wind Design and Innovation
- ◆ Exclusive License to UMaine VoltturnUS and VoltturnUS + Technology
- ◆ Foundation Design Lead for Commercial Floating Projects
- ◆ Partnering Opportunities for Construction and T&I Available



The DeepCwind Company was formed in 2016 to serve as a mechanism for UMaine to commercialize and provide design support for its floating offshore wind technologies worldwide. With more than 15 years of floating offshore wind design expertise, our team of 48 engineers, project managers, and naval architects is dedicated to innovation in wind energy. You have our full commitment to pushing the boundaries of revolutionary understanding of floating wind development as the exclusive licensor of the University of Maine VoltturnUS and VoltturnUS + Technology.

# FLOATING OFFSHORE WIND INNOVATION

## PRE-FEED ENGINEERING

The beginning stages of a project are imperative. DeepCWind provides project sponsors with the greatest ability to influence capital and operational expenditures, as well as the overall risk profile. We offer concept and pre-FEED (Front-End Engineering Design) studies to support decision-making in this critical period. DeepCWind empowers you to make the right moves, ensuring every choice you make is informed, strategic, and in alignment with your goals

## FEED & DETAILED ENGINEERING

DeepCWind provides wholly integrated utilization of the VoltturnUS & VoltturnUS + Technology to oversee the substantial link between this technology and the final project execution proposal.

We provide improved design packages that are to be fabricated, installed, and operated for the design life (typically 25-30 years).

## METOCEAN

DeepCWind, in close partnership with Woods Hole Group, provides the use of a high-tech LIDAR metocean buoy. This service can be utilized in remote marine environments to provide high-quality, lowGroup-cost offshore wind resource data, metocean monitoring, and ecological characterization capabilities for your project.

## T&I AND HULL FABRICATION SOLUTIONS

Floating wind projects are highly complex, requiring a deep understanding of the technology, interfaces, and interdependencies. DeepCWind offers partnering solutions to support the supervision and management of project execution phases, from fabrication to offshore commissioning, to ensure that your project is built to specification. Seamless transition from engineering to execution.

## SCALE MODEL TESTING

In partnership with The University of Maine, DeepCWind utilizes a 1:50-scale offshore model testing facility that accurately simulates towing tests, variable water depths, and scaled wind and wave conditions that represent some of the worst storms possible anywhere on Earth. The W2 data acquisition system is built on industry-leading National Instruments hardware and can accommodate a large variety of instrumentation including force, acceleration, and velocity measurements.



A partnership with the University of Maine

[deepcwindco.com](http://deepcwindco.com)