



## Business Network for Offshore Wind Data & Digitalization Working Group

### Setting the Scene

Offshore wind is a data-rich industry that can utilize emerging big data technologies in a growing number of use cases to advance industry efficiency and reduction of costs. This trend is integral to the successful deployment of commercial-scale offshore wind farms and their integration into the U.S. electricity grid. Offshore wind energy systems produce extremely large datasets that can be collected, combined into a centralized location, and analyzed using cheap but reliable sensors, digital tools, and advanced software solutions to design and create more efficient offshore wind technology. The result of this process over the last decades has been a steady reduction in the cost of offshore wind technology, a trend that attracts investment in and enables development of the U.S. offshore wind industry and its supply chain.

Digitalization and data solutions are employed throughout every phase of offshore wind project development, from planning to eventual decommissioning. Because U.S. offshore wind is a growing industry, an initial focus will be placed on data collection standards and digital solutions in the planning/siting phases of development.

### Objectives

- Identify and discuss important initiatives of the industry to advance and mobilize the cost-reducing trend of digitalization in the U.S. offshore wind industry
- Develop solutions and industry responses to the most pressing industry needs that will enable and drive digitalization, and therefore cost-reduction, of offshore wind technology
- Utilize and review State and Federal strategies to prepare for standardization of data collection and industry data standards
- Set a clear direction for the next years with a clear annual work plan – a course of actions for industry and a subset for the Business Network for Offshore Wind to implement during the calendar year

### Attendance

Attendance is open to Business Network members at the developer, OEM, and leadership levels. Attendance is also open to corporate level members by invitation or application approval from the Working Group Chair and Committee. Attendance at meetings is limited to Senior Executives and preferably one representative per company. The working group is chaired by a Member of the Network Board of Directors and an organizing committee will be comprised of Business Network Members.

### Work Scope

1. Assemble the digital leaders advancing offshore wind technology cost-reduction trends in the Working Group
2. Identify important initiatives of the industry to advance digitalization of the U.S. offshore wind industry with an initial focus on industry data standardization and the early phases of project development
3. Organize and develop an in-person annual meeting agenda, which will drive the annual work plan
4. Develop and publish a series of briefing papers and/or other educational materials to drive industry and stakeholder discussions
5. Utilize best practices from developments in Europe and Asia and invite outside subject experts as guest speakers to explore new approaches and align in development of offshore wind technology and digitalization
6. Determine sources and levels of funding for any identified and prioritized actions of the Working Group, with allocation of actions needed to advance digitalization of U.S. offshore wind, which may include requests to government and/or joint industry partnerships with academia
7. Develop an agreed upon annual work plan including assigning responsibilities within the Working Group and the Business Network for Offshore Wind to implement actions
8. Report results of the actions to the Business Network Board of Directors in a bi-annual meeting