



PRESS RELEASE

DNV updates standard for floating wind turbine structures to allow for cost reduction and optimization

Hamburg, Germany - 25 August 2021: DNV, the independent energy expert and assurance provider, has updated the DNV-ST-0119 standard for floating wind turbine structures. The updated standard includes numerous technical improvements that allow the industry to further optimize floating wind turbine structures while maintaining a sufficient level of safety.

The main change is a completely revised section on floating stability. In addition, various clarifications and updates have been implemented throughout the standard. The improvements are based on industry feedback as well as DNV's own gap analyses and experience from projects.

"With the need for decarbonization ever more urgent, floating wind has the potential to make a significant contribution. It could represent as much as 2% of global power supply by 2050," explains **Kim Sandgaard-Mørk, Executive Vice President for Renewables Certification at DNV**. "Sharing of lessons learned in acknowledged industry standards, such as those from DNV, are crucial for establishing an efficient fabrication supply chain, increased affordability and scaling up of floating wind deployments."

"Reducing costs and at the same time increasing confidence remain the key issues for floating wind," says **Kimon Argyriadis, Director for Floating Wind Certification at DNV**. "Experience shows that certification against an acknowledged and up-to-date industry standard, is the most trusted way to deliver stakeholder confidence. It indicates that risks have been understood and minimized, ensuring quality and reliability of emerging floating wind projects."

DNV has taken a leading position on developing requirements for floating wind turbine structures. Inspired by the first full-scale turbine, Hywind Demo, DNV issued its first guideline in 2009. This was later developed into a full-fledged standard in collaboration with ten partners and issued in 2013. Building on experience from prototypes, research projects and the world's first floating wind farm, Hywind Scotland, a new update was issued in 2018. The latest version of the standard, DNV-ST-0119, concentrates on clarifying certain issues and making the floating stability requirements more suited for floating wind.

Both the service specification for certification of floating wind turbines, DNVGL-SE-0422 from 2018, which covers the development stages of floating wind concept towards farm deployment, and the 2020 published class rules, DNVGL-RU-OU-0512, refer to the standard for technical requirements.

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The standard can be accessed [here](#)

Images can be downloaded [here](#)

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About DNV

DNV is the independent expert in risk management and quality assurance, operating in more than 100 countries. Through its broad experience and deep expertise DNV advances safety and sustainable performance, sets industry benchmarks, and inspires and invents solutions.

Whether assessing a new ship design, optimizing the performance of a wind farm, analysing sensor data from a gas pipeline or certifying a food company's supply chain, DNV enables its customers and their stakeholders to manage technological and regulatory complexity with confidence.

Driven by its purpose, to safeguard life, property, and the environment, DNV helps tackle the challenges and global transformations facing its customers and the world today and is a trusted voice for many of the world's most successful and forward-thinking companies.

In the energy industry

DNV provides assurance to the entire energy value chain through its advisory, monitoring, verification, and certification services. As the world's leading resource of independent energy experts and technical advisors, the assurance provider helps industries and governments to navigate the many complex, interrelated transitions taking place globally and regionally, in the energy industry. DNV is committed to realizing the goals of the Paris Agreement and supports customers to transition faster to a deeply decarbonized energy system.