



Presenting Denmark's wind value chain

A digital tool showcasing Danish expertise and solutions providers across the wind value chain



Why use the digital value chain?

The purpose of the digital wind value chain is to showcase Denmark's wind industry and connect global partners with Danish wind energy solutions. The digital tool provides a quick, easy overview of the Danish wind sector, helping global partners find the right partners for their projects.

Developed in collaboration with Danish Energy Agency, Danish Industry, Danish Energy Export, Green Power Denmark, the Ministry of Foreign Affairs and with funding by the EU, the tool incorporates insights from Denmark's wind industry.

It is designed to help you quickly identify and connect with companies that align with the needs of a project. Offering an organised view of who operates in different parts of the wind turbine lifecycle, it aims to simplify finding expertise and initiating collaboration.

UNDERSTANDING THE DANISH WIND INDUSTRY

The Wind Value Chain is structured in four layers to provide a clear understanding of the Danish wind industry and to connect with companies providing expertise and solutions across the wind value chain.

The digital value chain consists of:

- 1) Overview of the wind value chain and its six sectors
- 2) Sub-sectors within each major sector
- 3) Overview of solution providers within the sub-sector
- 4) Specific solution provider's profiles

1. Get the full overview of the wind value chain

The first layer provides a broad overview of the Danish wind sector from start to finish.

From R&D, installation and grid management to sustainable supply chains, Denmark covers the entire spectre of the wind industry.

Discover the entire Danish wind value chain and its six main sectors: RD&D, Project and site preparation, Component production, Installation, Post installation, Decommissioning and afterlife. reflecting the whole lifecycle of a wind turbine.

Wind Value Chain

Find solutions throughout the wind value chain

STATE OF GREEN



Find cross-sectoral solutions of entire value chain

Health and safety

Governance

Sustainability

Future energy systems/sector integration

Standardisation

2. Dive into specific sectors of wind energy

The second layer of the value chain provides a deep dive into specific sectors within the wind industry, as well as an overview of the various sub-sectors.

This section helps you explore the specific parts of the Danish wind energy value chain, allowing you to focus on detailed areas of expertise.

After selecting a specific sectors from the wind value chain, you are presented with an overview of the different sub-sectors within that sector.

This gives you an overview of the key processes within that sector, as depicted below within component production.

Each sub-sector provides a more detailed look into the key tasks and functions. For example, under component production you'll find key tasks such as blades, foundation, production automation, education, nacelles and towers.



3. Overview of expertise within each sub-sector

Explore specific specialisations and solution providers within each sub-sector in the third layer of the value chain.

In the third layer, you can explore specific specialisations within each sub-sector. For example, under Foundations, you can find specialisations like onshore, jacket, monopile, or floating foundations. When selecting a specialisation, you will see a list of solution providers offering relevant services within the area of activity.

These are (1) technology providers, who offer core services, solutions, or technology for the specific sub-sector, (2) consultants who provide strategic guidance, planning, and problem-solving, and (3) other service providers, offering capacity like manpower, port services, or support directly related to the sub-sector. Solution providers offer the tools, guidance, and support needed for that specific part of the wind project.

Foundation

- Onshore
- Jacket
- Monopile
- Floating




Foundations form the basis of the wind turbine. However, like icebergs, most of the foundation is hidden under ground or under water. There are countless foundation designs on the market, but in Denmark the strongholds are mainly within onshore, jackets, monopiles and floating.






Consultants

 <p>Shoreline Wind Model any scenario incl. onshore, fixed-based and floating constructions from monopile and jacket installation. Read More</p>	 <p>FORCE Technology Automated Phased Array Ultrasonic Testing (PAUT) scanners for blades and towers. Read More</p>
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Technology providers

 <p>Vestas Wind Systems Designs and constructs onshore foundations, ensuring safety, durability, and maximum energy yield. Read More</p>	 <p>Orsted As a renewable energy developer, we work with onshore foundations. Read More</p>	 <p>WEISSENBORN Design and manufacture aluminium safety solutions for TP platform and substations. Read More</p>
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Services/Others

 <p>Vento Energy Support Paint repair Technicians - Rope Access or Ground based. Read More</p>	 <p>Eryk Electrical outfitting services, top HSE&Q standards. Read More</p>	 <p>Odense Port Odense Port has facilitated the production and load out of 10+ jackets. Read More</p>
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4. Connect with solution providers and experts

Get in-depth profiles and connect with key partners from across the Danish wind value chain.

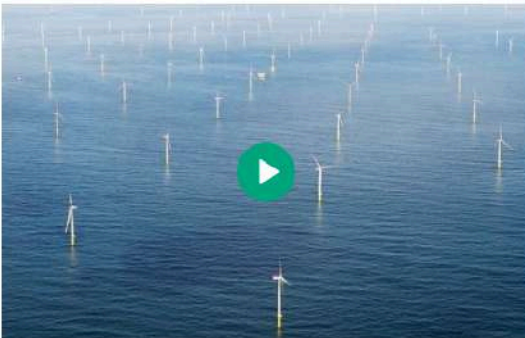
In the fourth layer, you'll find detailed profiles of companies that operate within the selected specialisation. Each solution provider is listed with a short description of what they offer, including an overview of their expertise and cases about relevant solutions.

More importantly, it provides direct contact information, including the name, email, and phone number of a representative, allowing interested parties to easily initiate a conversation and explore potential business partnerships.

SOLUTION PROVIDER COMPANY

Ørsted

Ørsted



About Ørsted

The Ørsted vision is a world that runs entirely on green energy. Ørsted develops, constructs, and operates offshore and onshore wind farms, solar farms, energy storage facilities, renewable hydrogen and green fuels facilities, and bioenergy plants.

Ørsted

Renewable energy holds the key to a cleaner future. We believe that it is time to take real action to create a world that runs entirely on green energy.

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SCAN TO EXPLORE THE VALUE CHAIN



The wind value chain was developed in collaboration with



Danish Energy Agency



Danish Industry

**Danish ENERGY
Export**
Owned by
Danish Export Association
and Green Power Denmark



MINISTRY OF FOREIGN AFFAIRS
OF DENMARK



Funded by
the European Union



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