

STATE OF GREEN



# Presenting Denmark's water value chain

A digital tool showcasing Danish expertise and solution providers across the water value chain



Connect. Inspire. Share. Think Denmark



Funded by  
the European Union

# Why use the digital value chain?

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

Developed in collaboration with Water Valley Denmark, the Ministry of Environment of Denmark, Danish Industry, Danish Export Association, the Ministry of Foreign Affairs and with funding by the EU, the tool incorporates insights from industry leaders.

## **How do I use the digital value chain?**

The green value chain is browser-based and can be used on a tablet or a computer and showcased at a conference, expo or virtual meeting – internet is the only requirement.

## **UNDERSTANDING THE DANISH WATER VALUE CHAIN**

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

The digital value chain consists of:

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

# 1. Get the full overview of the water value chain

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

From water resources, water supply and distribution, to wastewater and climate adaptation, Denmark covers the entire spectre of the water industry.

Discover the entire Danish water value chain and its five main sectors: water resources, water supply and distribution, water use and efficiency, wastewater and climate adaptation.

Water Value Chain

< Find solutions throughout the water value chain

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Explore how Denmark works with

- Digitalisation
- Governance
- Climate Neutrality
- Energy Efficiency

WATER VALLEY DENMARK

Ministry of Environment of Denmark

DANISH EXPORT

DEPARTMENT OF ENERGY AND CLIMATE

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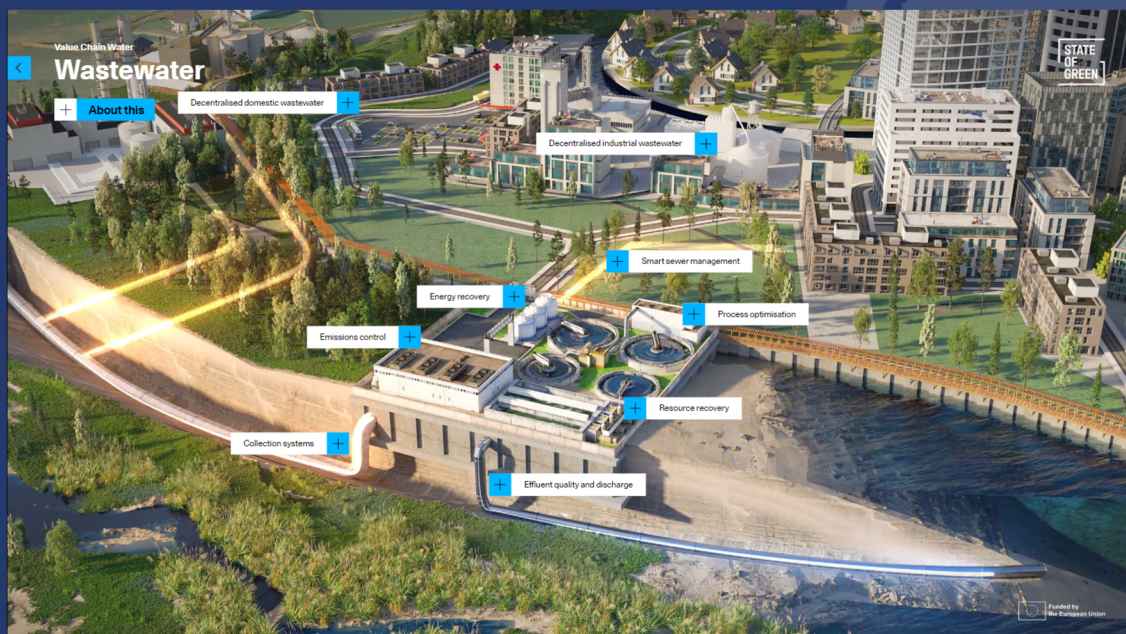
## 2. Dive into specific sectors of water technology

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

This section helps you explore the specific parts of the Danish water value chain, allowing you to focus on detailed areas of expertise. After selecting a specific sectors from the water 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 wastewater.

Each sub-sector provides a more detailed look into the key tasks and functions. For example, under wastewater you'll find key tasks such as resource recovery, collection systems and process optimisation.





# 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 Energy recovery, you can find specialisations like heat and biogas.

When selecting a specialisation, you'll see a list of solution providers with relevant services.

These are (1) consultants who provide strategic guidance, planning, and problem-solving, and (2) technology providers, who offer core services, solutions or technology for the specific sub-sector. Solution providers offer the tools, guidance, and support needed for that specific part of the water project.

## Energy recovery

Heat Biogas

For years, investments have been made to reduce energy consumption at Danish wastewater treatment plants and to produce biogas to generate electricity and heat. Today several plants are net producers of energy. In recent years, heat recovery at the treatment plants has also been utilised to produce district heating and wastewater utilities are looking into upgrading the biogas to a quality similar to natural gas or vehicle fuel.



### Consultants



**COWI**  
Value creating consultancy on financial and environmentally sound management

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**DHI**  
Model-based strategy evaluation for heat recovery from effluents and biogas

[Read More](#)



**Ramboll**  
Expert in sector coupling via heat pumps

[Read More](#)

### Technology providers



**Danfoss**  
High efficient VSD's for saving energy and optimize process control

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**Nissen Energy**  
Production of electricity and heat to make the water cycle energy neutral

[Read More](#)



**Anotek**  
Thermal simulations of heat transfer in pipings and vessels

[Read More](#)

## 4. Connect with solution providers and experts

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

In the fourth layer, you'll find detailed profiles of companies that operate within the selected specialisation. By clicking 'Read more', you can access a full company profile, which includes an overview of their expertise and cases about relevant solutions within all areas of expertise.

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

### Grundfos



#### About Grundfos

We are a global water technology company committed to pioneering solutions to the world's water and climate challenges and improving the quality of life for people.

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## Explore the value chain



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The water value chain was developed in collaboration with



MINISTRY OF FOREIGN AFFAIRS  
OF DENMARK



Ministry of Environment  
and Gender Equality



Funded by  
the European Union



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