

Together, we can make Denmark a leading green nation for innovative and global energy solutions

800

million DKK in projects across the entire energy sector

400

members among Denmark's innovative energy companies

30

partners in selected growth markets through global network

40

engaged colleagues from all over Denmark

100 active projects
- should the next one be yours?

 **energy** CLUSTER DENMARK

Strategic cooperation solves the challenges of the future

The goal for 2030 is clear: We must reduce Denmark's CO₂ emissions by 70%. This requires that we work together on the green transition of the Danish energy sector, and that we create new technological solutions that impact across the board and reach far into the future. This is what we are helping with at Energy Cluster Denmark.

400 innovative companies, leading knowledge institutions and public organisations are members of Energy Cluster Denmark. And we would like you to join us! We are Denmark's innovation platform for the energy sector. A professional and neutral forum, where you can enter partnerships for innovation projects that will become a reality.

We facilitate exclusively company-driven innovation. Without a relevant challenge or complex issue that a company is passionate about solving, there is no project. This is how we know that we are working with what is most relevant. We ensure financing and progress through keen project management and raise products and processes to new solutions that are innovative and competitive for the benefit of the green transition.

90%
of our projects
lead to new
solutions

“There is an undergrowth of companies in Denmark that have a huge potential for collaborating on developing new and global energy technology solutions that are demanded globally. We must accelerate that potential.”

Glenda Napier, CEO at Energy Cluster Denmark



Join 400
innovative
companies within
the Danish energy
sector

Innovative solutions across the energy sector

Energy Cluster Denmark is shaped by the industry and driven by the need for a strong focal point for innovation. We work with the technological development of the entire energy system. As a member, you get access to becoming a partner on specific solutions that the market demands.

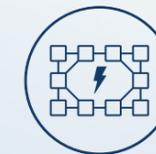
Collaboration and professional focus

In close collaboration with the entire cluster for energy technology in Denmark, we have identified five professional focus areas that define the challenges faced by the energy sector over the next decade.



Energy production

Companies that develop and supply energy in the form of green electricity, heating, gas and oil. In addition, sub-contractors of components, products, services and system solutions.



Energy infrastructure

All electricity, gas and heating supply companies as well as trading companies. Furthermore, a number of subcontractors of components, products, services and system solutions.



Energy storage

Companies that develop and produce products within the field of conversion technologies and storage of all forms of energy.



Energy efficiency

Companies that develop and produce components, products, services and system solutions for energy consuming appliances and systems.



Cross-cutting areas

We are considering sector coupling to e.g. the transport sector, system integration and digitalisation into all four focus areas.





A professional and innovative platform for the Danish energy sector

As a cluster organisation, Energy Cluster Denmark brings together the entire Danish energy sector. With a focus on innovation, we matchmake relevant companies, universities, public players and other strategic partners with each other. As a professional meeting point, we also facilitate the framework for networking, new research-based knowledge and professional sparring across the sector.

4,000

network participants
for B2B matchmaking
events each year

Your membership benefits



Innovation

Let your company collaborate with the largest Danish energy companies, the country's leading researchers, small and large niche companies, and start-ups. Together you develop new solutions through our innovation projects.



Fundraising and project management

Get access to some of the country's best fundraisers and help with applications that are aimed towards the Danish and European innovation funds. Currently, our project portfolio is DKK 800 million, and we are constantly working to expand it.



Promotion and marketing

Become visible in the cluster and the rest of the world. Gain exposure in news media and our newsletter, which has over 5,000 readers, on our social media with more than 10,000 followers, on energycluster.dk and as a keynote speaker at our events.



Internationalisation

Energy Cluster Denmark excels in gathering and supporting the participation of Danish companies and knowledge institutions in international innovation activities. Through us, you will be offered international opportunities and participation in innovation activities that can lead to international orders.



Network and events

Join the Danish energy sector's second-to-none innovation network. Among other things, you get access to Hackathons, TechTalks, professional webinars and B2B matchmaking events with 4,000 participants and our InvestorDay with more than 50 investors as well as our annual meeting with +300 participants from across the energy sector. There is at least one innovation event every month – also online.

What's in it for me?

“They come up with ideas we would have never even dreamt of - something that is completely new to us and which had been unforeseeable.”

Jesper Møller, Head of Offshore Concepts & Solutions, Siemens Gamesa Renewable Energy

“We achieve concrete innovation out of it! Input, inspiration, ideas, access to funding and co-financing of projects. By getting involved, we significantly expand our project scouting.”

Per Fenger, CEO at Liftra

“One of the best international activities I have participated in. The one-and-a-half-day programme was to the point. I managed to present DSV's services to lots of relevant customers and partners. It is unique and of great value to us.”

Jesper Dybdahl, Section Manager at DSV Air & Sea A/S

Ambitious industry-driven innovation

As a member of Energy Cluster Denmark, you gain access to the most exciting innovation projects within the Danish energy sector. Right now, we are involved in more than 100 projects that are dealing with innovation, development, knowledge and internationalisation. Take a look at some of the many projects here.

89%
of our project
participants are looking
for the next project with us



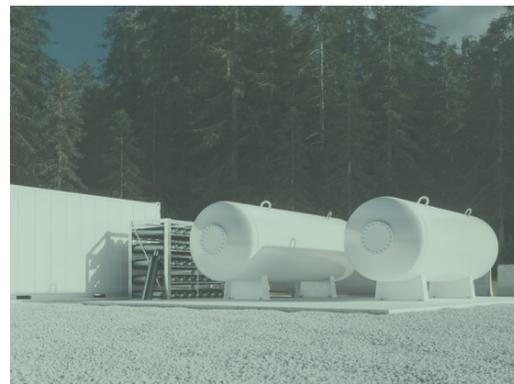
Drones are revolutionising the maintenance of offshore wind turbines

Siemens Gamesa, Ørsted and other large wind companies have large expenses in order to maintain their offshore wind turbines. With the help of drone technology, they will soon be able to transport packages with tools, spare parts, etc. of up to 40 kg in weight to wind turbines that are as far as 80 km from shore. The project group that includes Aalborg University, Loxar, European Merchandise Group and Aeroscout, among others, challenges everything that drones can do at today.



Excess heat provides new business opportunities

The electricity consumption for the largest data centres in Denmark is expected to be approx. 3,600 GWh annually in 2025, and this generates a very sizeable amount of excess heat. But how does one use the excess heat efficiently? This calls for new green business solutions. A solution which, among other, Aalborg University, HeatFlow and R&R Consult have joined forces to create.



PtX makes the oil and gas industry greener

It takes a lot of energy to retrieve oil and gas from the underground, but how do you reduce the CO₂ footprint? A major oil operator is leading a project that, among other things, must supply hydrogen to natural gas, use renewable energy to reduce the climate footprint – and in the long run significantly reduce emissions from oil and gas production. This can create a new market for green technologies.



Danish companies form new international collaborations

What occupies the largest international companies? And can one as an SME develop new prototypes and concepts in just two days, which can be launched in new markets, in collaboration with the largest companies? 85 companies got the opportunity to try this out at a 2-day international hackathon. Result? New prototypes and new international collaborations, leading to new international orders.



Recycling of wind turbine blades

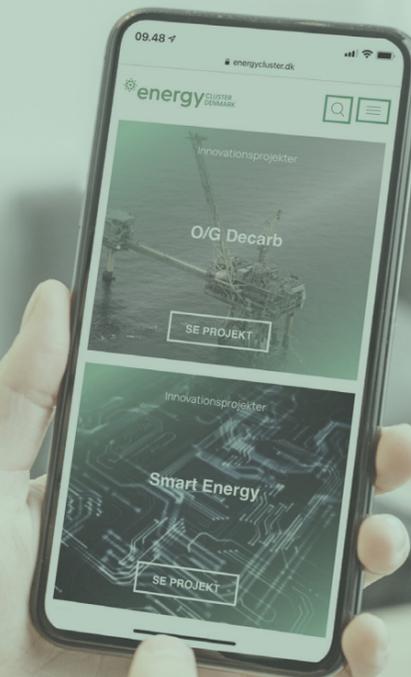
Worldwide, 2.5 million tons of composite materials are spinning in the form of wind turbine blades. How can such materials be recycled into new, high-quality products? Makeen Power, FLSmidth, HJHansen, DTU and SDU will seek answers to this in a project, where Vestas, Siemens Gamesa, LM Wind Power and Ørsted actively contribute with their knowledge of wind turbine blades. A new industrial adventure lurks around the corner.



Capturing and storing CO₂

There is a huge potential in capturing CO₂. If it is stored underground, it can be recycled to produce liquid fuel, among other things. Denmark's first power plant to capture CO₂ is under construction at ARC. At the same time, a number of small and medium-sized companies, together with a larger chemical company, are storing CO₂ in the North Sea. It may become a game changer in reducing CO₂.

See all the projects at:
energycluster.dk



Become a member today

Becoming a member of Energy Cluster Denmark is easy. Simply fill out the form here: energycluster.dk/become-a-member

The membership starts from DKK 2,500, and as a member you will be connected to an employee, who is dedicated in getting to know you, your business model and innovation needs. Our employee can therefore always match you with other members – so that together you can accelerate the green transition.

If you would like to know more about how Energy Cluster Denmark can add value to your organisation, you are always welcome to contact **Louise Hinrichsen Thorsen**, Member- & Relationship Manager, at **+45 2612 9609** or **lht@energycluster.dk**

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