

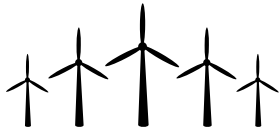


# Korsnäs Offshore Wind Farm

*Metsähallitus is developing an offshore wind farm with a minimum capacity of 1,300 megawatts. The offshore park is located on the west coast of Finland, off the coast of Korsnäs municipality. The total investment value of the Korsnäs offshore wind farm will be in the range of EUR 1.5 – 2.5 billion.*

## Korsnäs offshore wind farm facts

### TURBINES:



From

**70–100**

turbines, in the first phase  
with a nominal power  
of 12 to 20 MW

### ESTIMATED CAPACITY:



minimum of

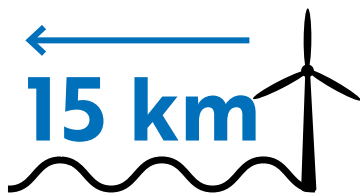
**1,300  
MW**

### ESTIMATED ENERGY PRODUCTION PER YEAR:



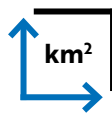
**5,000  
GWh**

### LOCATION:



State owned water  
area 15 kilometres  
off the coast

### PROJECT AREA:



**220  
km<sup>2</sup>**

### TIMELINE:

Production  
**in  
2028**  
at the earliest

*The Korsnäs offshore wind farm will have a significant production capacity. Its estimated annual production would correspond to the electricity consumption of approximately 250,000 single-family houses with year-round electric heating.*

### Responsible planning process

Korsnäs municipality has approved a planning initiative on the offshore wind farm already in autumn 2020. The final area will be specified as planning progresses.

Various aspects to be assessed during the planning process will include impacts on protected areas, the seabed and natural values, for instance. Inclusive discussions and continuous dialog with different

stakeholders are an elemental part of the development process. Shipping routes and the requirements of the Finnish Defence Forces have also been included in the planning phase.

### Ideal wind conditions

The wind conditions in the sea area off the coast of Korsnäs are ideal. The average wind speed on the site exceeds 9 metres per second.

The water depth and seabed geology are also well suited for wind power construction. The water depth at the project site is mainly 10 to 20 metres. The richest biodiversity of seabed organisms is found at depths of less than 10 metres.

The wind farm site is located more than ten kilometres from Kvarken Archipelago, the only natural heritage site in Finland on the UNESCO World Heritage List. Natura habitats are also located within sight of the project site.

Biodiversity impacts will be carefully considered during the environmental impact assessments (EIA) and permit processes.

### **Efficient logistics**

One of the preconditions for constructing an offshore wind farm is the availability of suitable ports. Kaskinen, Kristiinankaupunki and Vaasa offer three large ports near the Korsnäs project site. The ports are served by a railway.

To transmit electricity from the project site to the mainland, submarine cables will be laid on the seabed. A power line built on the mainland will connect the offshore wind farm to the existing electricity grid. Options for connecting the wind farm to the main grid will also be examined as part of the environmental impact assessment.

### **Open dialogue with local stakeholders**

The construction of a major wind farm involves many aspects of interest to local residents. Thereby openness and continuous dialogue are some of the key elements in our project development. Metsähallitus has already started to introduce stakeholder engagement practises to support the project.

The offshore wind farm will have many positive impacts on regional economy and business. The project increases economic activity in the area.

Employment impacts the local stakeholders are looking forward to will be generated by planning, construction of wind farm infrastructure, transport, wind turbine installation as well as accommodation and catering services.

### **Locally important taxation aspects**

Local municipalities have the right to levy taxes on properties located in their areas in Finland. The tax revenue obtained by an individual municipality from wind turbines depends on the construction costs of the turbines, the efficiency of the wind farm and the tax rate determined by the municipality.

The annual property tax revenue from one offshore wind turbine to the municipality of Korsnäs can be up to EUR 70,000. In this case, the annual revenue from the completed wind farm project could potentially amount to several million euros, which is a considerable income source in the annual budget of the municipality.

### **Metsähallitus as an offshore wind farm partner**

In the Korsnäs project, Metsähallitus has the role of a facilitator and is looking for a responsible partner with know-how in offshore wind farm construction and wind power generation as a business. After the development and building stages, Metsähallitus will remain in its role which is in the management of state-owned land and water areas.

### **Fossil free energy in 2028**

The project development phase of the offshore wind farm in Korsnäs is estimated to take around four years. Environmental impact assessment and zoning will start in early 2022. After the construction of the project, the Korsnäs offshore wind farm could be in production by 2028 at the earliest.

# Korsnäs wind farm

*Finland aims to be the world's first fossil-free welfare society by 2035. Metsähallitus has an important role in achieving this goal. We therefore aim to increase clean energy production, increase carbon sinks and reduce emissions.*

We will triple the amount of wind power built on state owned land areas by 2030. We have already been a party in developing 14% of the wind power capacity installed in Finland. At the end of 2021, approximately 150 wind turbines generating approximately 500 megawatts (MW) of wind power were installed on state-owned land administered by Metsähallitus.

## Looking for a responsible partner

Metsähallitus is looking for a responsible project partner with sufficient investment ability and experience in offshore wind farms. Metsähallitus works as a project enabler and the actual wind farm business will be run by a separate commercial operator. In the end of the project, Metsähallitus will remain as the landowner and land leasing party on behalf of the State of Finland.

## Metsähallitus' Climate programme

The Metsähallitus Climate Programme targets are:

- To increase the carbon sink of multiple-use forests by 10% by 2035 while producing renewable carbon stock for the forest bioeconomy;
- To triple the production of renewable energy in state-owned areas by 2030;
- To reduce the carbon footprint of Metsähallitus' own activities;
- To reduce the negative impacts of climate change on biodiversity by maintaining and developing biodiversity in land and water areas.



Enabling the growth of renewable energy production is part of Metsähallitus climate programme.

For additional information, please contact:

Otto Swanljung  
Wind Power Manager, Metsähallitus  
Tel. +358 (0)206 394 643  
email: otto.swanljung@metsa.fi



## West coast of Finland

