

# Thornton bank wind projects

What is Thornton Bank wind farm?

Thornton Bank wind farm (also known as C-Power wind farm) is a monumental project off the Belgian coast and Belgium's first offshore wind farm. From its inception to its status as one of Europe's largest offshore wind projects, this wind farm showcases the viability of wind energy projects.

What is C-power Thornton Bank offshore wind farm?

The C-Power Thornton Bank offshore wind farm features Senvion 5M and 6M turbines. Power and automation technology group ABB was responsible for the design and supply of the complete electrical infrastructure of the project.

How many wind turbines does Thornton Bank have?

Thornton Bank offshore wind farm features 54 wind turbines, with a total installed capacity of 325MW. Image courtesy of REpower Systems. The wind farm is located 30km off from the Belgian coast in water depths ranging from 12m to 27.5m. Image courtesy of REpower Systems. Construction on phase one of the project commenced in May 2007.

What challenges did the Thornton Bank wind farm face?

The farm was built some 30 km off the Belgian coast in the North Sea, an area known for its strong winds and challenging conditions. Like any project of its magnitude, the Thornton Bank wind farm encountered various challenges. There was considerable public concern over visual pollution and the potential impact on the marine environment.

After a project for a nearshore wind farm was aborted because of the fear for visual pollution and objections in public opinion, the government designated a 35 x 9 km specific area for the construction ...

Thorntonbank (Belgium) - Wind farms - Online access - The Wind Power Details Part #1: Part: Part 1  
Commissioning: 6 turbines: Repower 5M (power 5 000 kW, diameter 126 m) Hub height: ...

Thornton Bank Wind Farm C-power is a special purpose company created by several Belgian and European renewable energy utilities and publicly owned organizations. In 2003, the ...

In 2003 C-Power obtained a domain concession and the permits to build and operate an offshore wind farm in the Exclusive Economical Zone on the Belgian Continental Shelf. The concession area is ...

The Thornton Bank wind farm is located around 30 km from the Belgian coastline at a water depth ranging from between 12 m and 27.5 m, encompassing a total area of 19.84 km<sup>2</sup>. The ...

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Thornton Bank Offshore Wind Farm, North Sea Thornton Bank, Belgium's first offshore wind farm, is



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located in the North Sea, about 30km off of the Belgian coast. It is also the largest ...

C-Power, also known as Thornton Bank Offshore Wind Farm, is the oldest offshore wind farm in Belgium and has a capacity of 325 MW. The project is located in the North Sea, 30km from ...

View TGS 4C | 4C Offshore latest information on Thornton Bank - phase III offshore wind farm in Belgium, with data on all aspects of the offshore wind farm.

The 325W Thornton Bank offshore wind farm is one of the largest wind farms in the Belgian North Sea, built with an investment of EUR1.3bn.

Finances Behind The Offshore Wind Farm  
Repower Wind Energy Turbines  
Development and Construction of Thornton Bank  
Contractors Involved with The Belgian Wind Farm  
Princess Amalia Offshore Wind Farm, Netherlands  
Nordsee Ost Offshore Wind Farm, Helgoland, Germany  
DanTysk Offshore Wind Farm, Germany  
The necessary environmental permit and domain concession for the wind farm was obtained in 2003. The required building permits for ashore and far shore cabling works were subsequently received between 2003 and 2006. The project was developed in two sub-areas, designated as sub-area A and sub-area B. The developers opted for split location so as not...  
See more on power-technology c-power  
Concession | C-Power  
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