Thornton bank wind farms

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Health & Safety is C-Power's number one priority. Working 30 km from the shore comes with some risks. Learn more on how C-Power makes sure all employees are going home safely every day.

The C-Power windfarm is fully operational since 2013. It is the first far shore windfarm in the Belgian North Sea and today C-Power is one of the first wind farm owners that is fully responsible for all maintenance, the replacement of all parts, purchase, logistics and engineering of solutions for technical issues.

Compared to the environmental impact of traditional energy sources, the environmental impact of wind power is very positive. Wind power consumes no fuel, causes no air pollution and does not generate any toxic waste.

The C-Power team strives to maximize the lifetime value of its wind farm through continuous improvement, putting safety first and with respect for the environment.

Our combined knowledge, your competitive advantage

The project was executed by C-Power, which is owned by several shareholders including Dredging, Environmental and Marine Engineering (DEME), RWE, and EDF group-subsidiary EDF Energies Nouvelles and Marguerite, among others.

The wind farm, developed in three phases, generates about 1,050GWh of electricity annually enough to power 300,000 households, avoiding 415,000 tonnes of carbon dioxide emissions per year.

C-Power secured a concession to develop an offshore wind farm in the Exclusive Economical Zone of the Belgian Continental Shelf in 2003. The wind farm was built in this concession on the Thornton sand bank, located around 30km off the coast of Belgium.

The project features a total of 54 turbines across an area of 19.84km?.

The concession area is divided into two sub-areas- Sub area A (southwestern part) and Sub area B (northeastern part). Sub area A consists of 30 turbines, while Sub area B has 24 turbines.

The two sub-areas are separated by a channel defined around the Interconnector gas conduct and the Concerto South 1 telecommunication cable. Water depth in the region ranges from 12m to 27m.

Overall, the delineated zone will feature nine offshore projects with a combined capacity of 2,200MW.

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