European Commission

Offshore wind

Thornton Bank

MEMBER STATE(S) INVOLVED
Belgium

PROJECT PROMOTERS
C-Power NV

BASIC TECHNICAL DATA
Support to the second phase of the Thornton Bank wind farm. The overall wind farm will consist of 54 turbines of 5-6 MW, located 27-30 km off the Belgian coast, in water depths ranging from 12 to 27.5 m.

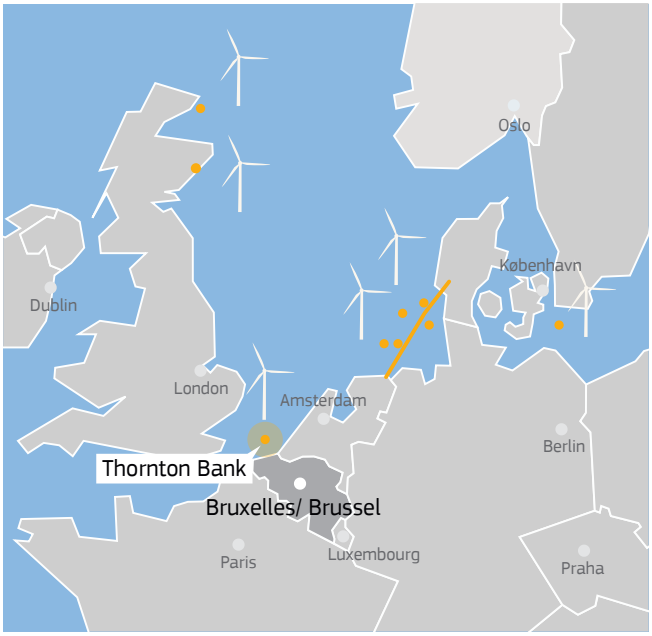
In the second phase, jacket structures will be used as foundations for the turbines.

BUDGET
Total project cost: € 500 m
Total EEPR activities cost: € 24.1 m of which:
Promoter(s): € 14.1 m
EEPR support: € 10 m (funding rate of 41.53%)

EEPR ACTIVITIES TIMETABLE
Start date: October 2009
End date: December 2011

ADDITIONAL INFORMATION
European Commission, DG ENER
http://ec.europa.eu/energy/eepr/index_en.htm

C-Power NV
http://www.c-power.be/English/welcome/algemene_info.html



OBJECTIVES
The general objective of this project – the installation of jacket structures with an innovative installation frame – is to speed up the installation pace of the 5-6 MW multi offshore wind farm, with a target to install 24 wind turbine generators per year.

PROJECT IMPACT
Within the framework of the project, C-Power will build 22 to 24 jacket foundations in far-shore waters, up to 27.5 m deep. Using jackets as substructures for offshore wind turbines on this scale is very innovative. The use of jackets on the Thornton Bank project will therefore generate relevant experiences and useful expertise, strengthening the innovative capacity of the industry, making offshore installation more cost effective and generating employment.

ACTIVITIES IN BRIEF
EEPR supports the delivery of optimised solutions for 5 out of the anticipated 22-24 jacket foundations for the deep water far-shore wind power plant.

STATE OF PLAY: COMPLETED
The EEPR action has been completed in December 2011.