



# FINLAND TAHKOLUOTO

## COMPLEX PROJECT WITH TIGHT SCHEDULE

Jan De Nul Group has built the very first offshore wind park of Finland with Gravity Based Foundations (GBFs) in the Gulf of Bothnia close to the port of Tahkoluoto. The works were carried out during two consecutive summers because there was a chance that the sea would freeze during winter. Firstly, the *Mimar Sinan* dredged ten deep pits for the foundations and the cable trenches, which are connected, in the glacial seabed full of rocks and boulders. The *Tiger* backfilled the pits with a layer of coarse gravel which was compacted.

During the second summer, the pits received a final fine gravel bed that had to be levelled perfectly within tolerances. Quite a challenge but completed with success. Afterwards, the *Vole au vent* installed the ten foundations on the levelled bed and it was backfilled in order to protect against bad weather. Once finished, the *Vole au vent* installed the ten wind turbines. All of this was done one week before the deadline!

<b>Country</b>	<b>Finland</b>
<b>Scope</b>	<b>Construction of an offshore wind farm: turbine foundations installation, including seabed preparation; cable laying; wind turbine installation and operation</b>
<b>Client</b>	<b>Suomen Hyötytuuli Oy</b>
<b>Contractor's role</b>	<b>Main Contractor</b>
<b>Period</b>	<b>04.2016 - 08.2017</b>



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