

Wind & solar energy

If you want more information about these projects – or if you want to know about other projects, which COWI has carried out in Ukraine – you may simply use this QRcode:



Selected references



USA

Vineyard Wind, 800MW OWF

Client

Copenhagen Infrastructure Partners

Period

2017-2024

COWI's services

Owners engineering and Package Management for Wind Turbines, Offshore Substation, Export and Array Cables, Electrical Design, Transmission Infrastructure, Ports and Logistics.



Kenya/Ethiopia

Onshore Wind Farms

Client

Lake Turkana Wind Farm, LKWF. AMEA Power, EEP

Period

2014-2022

COWI's services

COWI has provided detailed technical engineering services concerning wind turbines and their foundations, while also assisted in the design review, provided construction supervision, and run acceptance tests.



Vietnam

Solar PV

Client

Halcom Vietnam

Period

2019 –

COWI's services

- Review of permitting documents
- Production of owner's requirement
- Prepare tender package for
- PV Plant 35 MWp/29 MWac
- 11 km HV interconnection
- Evaluate EPC proposals
- Support negotiation process
- Support contract drafting



Project No.
A124748

Country
France

Period
2019-2021

Customer
Eiffage Métal SAS

Recipient
Eiffage Métal SAS

Consultancy
EUR 2.863.884

Saint Nazaire OWF detailed design

The Saint Nazaire offshore wind farm will be located between 12 km and 20 km of the coast in the Northern part of the Bay of Biscay and cover an area of 78 km². The site was selected due to strong and steady winds, and a shallow water depth between 12 and 25 meters. The 480 MW wind farm will ultimately generate the equivalent of 20% of the Loire-Atlantique's electricity consumption needs.

The Saint Nazaire offshore wind farm project is developed by Parc du Banc de Guérande, a consortium of EDF Renouvelables and Enbridge, and was awarded in 2012 by the French Government. Construction and operating permits were given in 2017 with the final decision from the Conseil d'Etat in June 2019. The wind farm is due for commissioning in 2022.

The project is being developed as a part of the French government's aim to increase the country's renewable energy share of total consumption to 32% by 2030.

GE Renewable Energy HAL 150 6MW.

COWI has been part of the project since the tender design in 2016 and was awarded the detailed design of the monopile foundations in 2019. COWI's HSE tasks included:

- Identification, risk evaluation, mitigating and reporting HSE hazards
- Planning, conduction and reporting HSE design risk assessment workshop
- Preparation of escape, rescue and evacuation drawings and related report
- Prepare technical notes on ATEX classification



Project No.
A112347

Country
Sweden

Period
2018-2021

Customer
The local government of Gothenburg

Recipient
The local government of Gothenburg

Solar energy programme for the local government of Gothenburg 2018-2050

The local government of Gothenburg has an ambitious plan to generate over 60% of their electricity demand by solar energy by 2050. One sub-target is to generate more than 35 GWh in existing and new buildings in 2030. By 2050 it is estimated that about 80 % of the 2,000 buildings that the local government manages will have PV-installation on their roof or façade. The real estate portfolio contains mainly pre-schools, schools and retirement home but also some large office buildings.

COWI is one of two consultants that are working on the realization of this project regarding pre-feasibility studies, design and economics calculations, visualization, project management and more.