



ROADMAP FOR OFFSHORE WIND IN TURKEY

Denmark and Turkey have initiated an energy sector cooperation aiming to support offshore wind development in Turkey. Turkey emits more than 10 times the Danish level of CO₂-emissions and Denmark has important knowhow on improving framework conditions for offshore wind development – a key instrument for green transition.

Offshore wind opportunities for Turkey

Turkey is a fast-growing economy with rapidly increasing demand for electricity. Large part of the electricity generation is from imported fossil fuels, which makes Turkey heavily dependent. However, 65 % of new capacity added to the power sector in Turkey, in 2017, comprised of renewable energy, showing the policy direction on the use of RE for electricity generation.

Offshore wind power has the potential to play a substantial part of meeting the energy demand in Turkey as initial assessments show great offshore wind potential along the Turkish coast. By exploiting offshore wind Turkey can take advantage of own clean energy resources and reduce its dependency on foreign energy suppliers.

However, successful offshore wind development requires long-term planning and investment by stakeholders. This will be possible only when there is stable and supportive policy framework in place and a number of relevant offshore sites to create investor confidence - a clear roadmap to accelerate the deployment of offshore wind.

Strategic Sector Cooperation (SSC) with Turkey

The Strategic Sector Cooperation (SSC) between Turkey and Denmark aims to facilitate government-to-government collaboration focusing on the development of a sustainable and cost efficient energy policy by making relevant Danish experience available.

Since 2017, Denmark has supported Turkey on developing important policies, strategies and solutions to enable a low carbon transition of Turkish energy sector, in order to achieve long-term objectives for energy efficiency and district heating.

Based on a positive and fruitful partnership, Turkey has actively sought an expansion of the existing programme to also include a collaboration on offshore wind development.

The aim is to assist and support the Turkish government in developing relevant solutions and procedures to prepare a roadmap for offshore wind. With more than 25 years of experience in developing its offshore wind industry, Denmark can bring instrumental knowledge to the Turkish authorities on de-risking policies and regulatory frameworks.

Danish support

The cooperation on offshore wind has been initiated in 2018 and is a one year programme running until end of 2019. A new phase of the bilateral cooperation is expected to continue from 2020 to 2022. The initial phase has identified a wide range of cooperation possibilities within long term planning, site-screening, framework conditions and de-risking processes, offshore wind turbine technology, cost analysis of RES-deployment, energy sector modelling and integration of renewable energy.

It is planned for the cooperation to address the barriers and necessities to achieve the Turkish goals for offshore wind in a sustainable and transparent manner. The demanded areas of cooperation have been prioritized for the 2019 work programme aiming to enhance the Turkish knowledge on tendering procedures and maritime spatial planning as main focus during the first phase.

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