

ContainerPower Energy Solutions

Lithuania three-phase wind power generation system

INTEGRATED DESIGN

EASY TO TRANSPORT AND INSTALL,
FLEXIBLE DEPLOYMENT



Overview

What is Lithuania's commitment to wind energy?

Lithuania's commitment to wind energy extends beyond offshore projects. Several large-scale onshore wind farms are under development, further diversifying the country's renewable energy portfolio: – Kelmė Wind Farm: When completed in 2025, this will be the largest wind farm in the Baltics, boasting a capacity of 300 MW.

How much electricity does a wind farm generate in Lithuania?

The wind farm will generate around 1 terawatt-hour (TWh) of electricity per year, which is approximately one-twelfth of the Lithuania's total annual consumption. Such projects are essential for achieving Lithuania's long-term goals of sustainable, reliable, and competitive electricity generation," says Darius Maikštėnas, CEO of Ignitis Group.

How many wind turbines are there in Lithuania?

The wind farm now comprises 44 state-of-the-art wind turbines, approximately 7 MW and up to 240 meters tall each. They are the most powerful wind turbines ever installed in Lithuania. The Nordex N163/6.X model was selected for its generation efficiency and suitability for local conditions.

Will Lithuania build a wind farm in the Baltic Sea?

Lithuania is making significant strides in offshore wind energy with plans to build two major wind farms in the Baltic Sea. Set to be operational by 2028, these projects represent an investment of €3 billion and are expected to generate 1.4 GW of electricity—enough to cover nearly half of Lithuania's current energy consumption.

What are Lithuania's key investments in offshore and onshore wind energy?

This overview is based on information provided by Invest Lithuania, the country's Investment Promotion Agency, which summarizes key investments

in offshore and onshore wind energy. Lithuania is making significant strides in offshore wind energy with plans to build two major wind farms in the Baltic Sea.

How will Kelm wind farm impact Lithuania?

“The contribution of Kelmé wind farm to local electricity generation will be highly impactful. Its annual power output will cover one month of Lithuania’s electricity demand. The wind farm will generate around 1 terawatt-hour (TWh) of electricity per year, which is approximately one-twelfth of the Lithuania’s total annual consumption.

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