



PROJECT • DOLYNSKA WPP

Dolynska WPP — 285 MW

A wind farm of 46 Vestas V162-6.2 MW turbines across three territorial communities in Kirovohrad and Mykolaiv regions.

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285 MW on 46 Vestas V162-6.2 MW turbines

The project sits in three territorial communities in Kirovohrad and Mykolaiv regions. The turbines stand in separate arrays, each on a plot of its own.

Estimated output of the plant is about 1,170 million kilowatt-hours a year. The calculation was made hour by hour, not from annual average figures.

KEY PARAMETERS

Project passport

- Capacity — 285 MW (46×6.2 MW)
- Turbine — Vestas V162-6.2 MW EnVentus
- Hub height — 119 / 166 m (tip 200 / 247 m)
- Output — $\approx$ 1,170 million kWh a year

One turbine is 6.2 MW; forty-six turbines are 285 MW of installed capacity.



Connection in two directions at 330 kV

DIRECTION 1

Hirnycha 330 kV substation

Connection at 330 kV to the Ukrenergo transmission grid.

The design of the external connection networks is complete.

DIRECTION 2

Kvartsyt 330 kV substation

A second point of power evacuation at the same voltage.

Two directions remove the plant's dependence on a single connection point.

Evacuation of 285 MW is split between two 330 kV nodes.



46 turbines across three territorial communities

KIROVOHRAD REGION

Ustynivka community

14 wind turbines, array D.

KIROVOHRAD REGION

Dolynska community

14 wind turbines, array D1.

MYKOLAIV REGION

Kazanka community

18 wind turbines, arrays D2–D4.

Land under the plant is 5.75 ha: 46 plots of 0.125 ha each.



What is already done

Decisions of three councils

Decisions to prepare the detailed territorial plan, 2023–2024.

Investment feasibility study

The techno-economic feasibility study for the project is prepared.

Aviation obstacle charts

Obstacle charts for all 46 turbines are complete.

Connection networks

The design of external connection networks to both substations is complete.

In progress: the detailed territorial plan, analytical notes and aviation approvals.



Rights, grid and output are pinned down

Decisions of three communities obtained, both connection points defined, output calculated hour by hour. This is the level of preparation with which the project enters detailed design.

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