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Harness the wind and reap megawatts

INFOGRAPHICS

WIND ENERGY

The first phase of the wind farm was opened in the Novoazovsky district of Donetsk region

- They are looking for wind in the field! - squinting from the midday sun, the resident of the village of Nameless figuratively answered the question of whether he knows what works have been going on in the neighborhood for a long time

Moreover, his words did not contain the irony and skepticism usual for the mentioned expression. After all, the experts really carefully studied the local steppe in advance, choosing the most successful places for installing wind power plants.

- Did you find it?
- They have already harnessed it! he pointed in the direction of tall windmills, which have recently become an integral attribute of this territory.

SOUNDS PROUD!

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PRESIDENT 0



GOVERNMEN^{*}





The prospects of a new case

The wind is really here - at least harness. After all, the local sea coast and flat steppe are the zone with the highest coefficient of use of nominal wind power in Ukraine. It is noteworthy that this feature even made adjustments to the opening ceremony of the wind park. Distinguished guests were a little late, because the helicopter with them on board circled for a long time, overcoming wind currents. Therefore, even this detail testifies in favor of a well-chosen place for the implementation of the project.

"The government supports the implementation of measures aimed at the implementation and implementation of projects and technologies related to the use of alternative energy sources," First Deputy Prime Minister of Ukraine Andriy Klyuev noted in his congratulatory message. — A frugal attitude to energy resources is not only an element of high European culture, but also an indicator of the efficiency of the state's economy, as well as a requirement of the time."

The development of wind energy, according to the head of the Cabinet of Ministers, will make it possible to avoid energy dependence on imported energy carriers in the future and contribute to the improvement of the environmental condition of industrial areas. And it is also very important that it was Donetsk, which is the largest consumer of energy resources, that took on the role of a leader in the implementation of modern wind energy projects. Moreover, the people of Donetsk began to "harness" the wind a good dozen years ago, when the first windmills appeared in the steppe of the Novoazovsky district. And today, from a distance, this area is a little reminiscent of ... Gulliver's travels to the land of the Lilliputians. After all, next to the relatively low windmills grew much more powerful - 100 meters high and with "hands" - wings of 50 meters.

— One such new unit produces more electricity than the entire wind park of the old design, — says the head of the Donetsk regional state administration, Anatolii Blizniuk. — In the future, 43 wind energy installations of this type will be installed here, which will annually produce more electricity than four nearby districts need.

So far, 10 modern wind power plants with a capacity of 2.5 megawatts each have been assembled and installed in the steppe. And in general, the investment project "Organization of wind power production through the construction of 43 wind power plants "Furlander" is planned to be implemented by 2014. The design capacity of the new building is 107.5 MW. The initiator of the construction is Novoazovsky Wind Park LLC.

— By implementing a promising project, we solve two problems at once: we produce environmentally friendly electricity and create new jobs, — says Oleksandr Pryhornytskyi, director of Novoazovsky Wind Park LLC. — And the fact that the German company "Furlander AG" acts as a partner allows us to hope that Donetsk will become a pioneer in the development of wind energy in our country.



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STATE BUDGE



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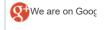












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The wind farm will be controlled by a computer

But the mentioned German company, whose wind farms operate in 30 countries of the world, is rightfully considered a pioneer in the development of international wind energy projects. Our state is among them.

"For me, Ukraine is a country that is the first step towards the development of the Eastern European market," says Joachim Furlander, president of Furlander AG. — And our philosophy is not to manufacture the necessary equipment in Germany and bring it here, but to organize production locally, allowing to organize new jobs here.

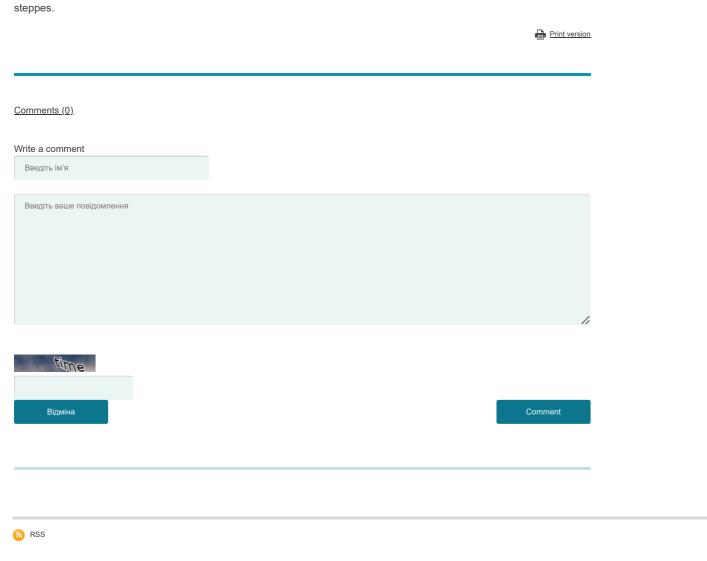
The joint Ukrainian-German investment project on the production, installation and maintenance of wind energy installations does provide for the creation of a corresponding enterprise in Kramatorsk, with a design capacity of 150 WEU every year. The mentioned city was chosen taking into account the powerful machine-building base available here. And they will train wind turbine service specialists directly in Germany. By the way, the entire wind farm management system is computerized and thanks to it, it is possible to control each wind turbine.



The ceremonial opening of the first stage of the wind farm near Bezymenny coincided with the harvesting of wheat and barley in the local fields. And not far away, work on the construction and installation of new wind turbines does not stop. Workers, using concrete of special strength, arrange the foundation at the place of installation of unique engineering structures. Even in the disassembled state, they are impressive with their size. In particular, in order to see one of the blades, now you don't need to lift your head, but you will have to walk along it for fifty meters.

"We are sowing the wind," smiled one of the workers, pointing towards the foundation.

And the first phase of the wind farm in the Novoazovsky district, where the "wings" of wind turbines rotate at a height of one hundred meters, has already begun to collect the "energy harvest", which is guaranteed by the wind-rich Azov steppes.



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