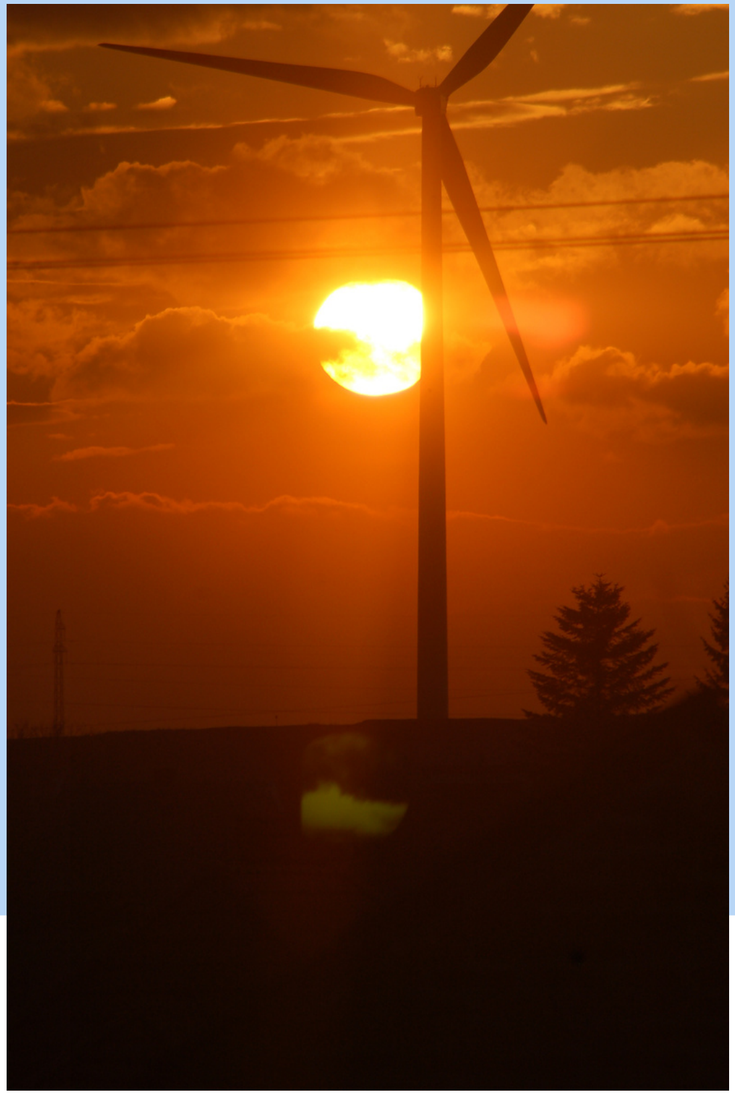
Energy saving initiatives in our area.



Szkoła Podstawowa nr 11
im. H.Jordana in Przemyśl,
Poland

The wind power plant Orzechowce – Hnatkowice

Hnatkowice-Orzechowce wind farm - with a capacity of 12 MW located in the village of Orzechowce (Żurawica Commune) and Hnatkowice (Orły Commune). The farm consists of 6 wind farms of the Gamesa G87-2MW type mounted on towers 78 m high.

Photos by Dorota

Pumped storage hydro power plant in Solina

In 2019 we visited plant in Solina as part of KA2 " Drop of Water Reflection of Cultures project"

The Solina Dam (Polish: Zapora Solińska) is the largest dam in Poland. The dam is 664 m long, 8.8 m wide and 81.8 m high. Its construction created the largest artificial lake in Poland - Lake Solina. It has four turbines which are currently generating 200 MW of electricity.

Heat pumps and photovoltaic installations at homes

Dorota interviewed the mayor Bogusław Słabicki about the project implemented by the commune. "Green energy - this is a partnership project of the commune of Medyka, Orły and Krasiczyn" and includes the installation of renewable energy installations on private premises of residents, such as the installation of photovoltaic installations and heat pumps.

Photovoltaic installations at home.

IINTERVIEW WITH KUBA` S DAD

In which year did we set up the photovoltaic installation?

Our installation is working from September 2020.

Was it easy to find a company that deals with the installation of photovoltaics?

It was not that easy because there are many companies that offer such services. We wanted someone from our neighbourhood to do it. This is a new technology in Poland and it was important for us to be sure that someone would help us in the event of a failure.

Has such a company been found?

Yes. After about a year of searching, reading various articles, and following internet forums on photovoltaics, the gentlemen in the electrical goods store recommended me a very reliable specialist, Mr. Jacek Paryga.

Were there problems with the selection of components?

No. Mr. Jacek turned out to be very competent and explained in a very transparent way what to choose and why it is worth paying a little more for b5.

How long did it take to assemble the installation?

Two men were assembling 22 panels in two days. We installed panels on the roof of the barn (outbuilding) because tall trees grow around the house, which cast shadows on the roof, reducing installation efficiency.

Why did we decide to install this installation?

During the year, our electricity bills were around PLN 4,500, so a lot, and we planned to replace the gas hob with an induction one, which would further increase the electricity consumption. We wanted savings.

How much did our installation cost?

Our installation cost PLN 40,000.

Why so much?

The price of the installation depends on its power, i.e. how much electricity it is able to produce in a year. Our power is 9.79 kWp (kilo watts paek). A lot, but certainly enough to cover the entire demand.etter equipment.

How much was the electricity bill after installing photovoltaics?

400 zł for a year.

After how many years will the cost of the installation pay off?

It’s hard to say. It depends on the electricity prices. From 40,000 you have to deduct 5,000 in funding and about 6,000 in tax returns, so the remaining 29,000 will remain. If we will divide it into 4.5 thousand, about 6 and a half years will come out. But I think faster, because we have not entered into an increase in electricity prices.