

NEW TECHNOLOGY PROVIDES US WITH MORE POWER

THE TEAM OF SUSTAINABLE DEVELOPMENT HELD A PRESS CONFERENCE YESTERDAY WHERE THEY ANNOUNCED THE TESTING OF A NEW PROTOTYPE TO INCREASE THE AMOUNT OF ELECTRICITY WE CAN GENERATE.

ToSD has been working non-stop to improve the wind turbines. The ones that are active now, are doing a great job but the team found out that there is a way to produce the same amount of energy but at a slower speed, meaning that the wind turbines don't need as much wind or resistance than before.

A study has shown that by using a lighter material, it is possible to generate the same amount of power at a lower speed. Therefore, the specialist chose to use carbon fiber for the blades instead of glass fiber. That way, the blades were made longer, which will provide a larger surface to catch the wind.

The new wind turbine is equipped with a new detector which allows the team to adjust the blades however they want. The old turbines don't have this technology, therefore, we lose a lot of potential energy. With the new detector, the turbine can be turned to the right angle. This way, the wind turbine is used to its full potential.

The new prototype will first be used just out of the city. It will be installed next to the old ones and will work synchronously. For almost a year, it will provide energy for the city. After that, ToSD will evaluate and decide if it will be worth it to install the new turbines all over the country. If that is the case, in the first two years, the new turbines will work alongside the older ones before removing them.

