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## **Press Release**

### **Sustainable mini power plant for everyone**

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### **EnergyTower: The smart combination of solar and wind energy**

The EnergyTower is a mini power plant that combines solar panels, small wind turbines, storage tanks and the entire control system in one device. It is available in various versions and can produce up to 30,000 kWh per year, depending on its size. It can be used for private households and also for SMEs. The EnergyTower was developed together with universities of applied sciences in Switzerland and has reached market maturity after extensive testing. The advantages lie in the small space requirement of a few square metres and the simple installation on house roofs, terraces, in the garden, courtyard or on parking lots.

#### **Decentralising and democratising energy production**

The EnergyTower has the potential to make energy production sustainable and, above all, to decentralise and democratise it. In developed countries, but also everywhere where there is no power grid, a cost-effective, ecological power supply is available. This generates electricity where it is consumed, reducing transmission lines and losses.

#### **Set up, plug in - done**

Plug & play is the motto for the smaller models of the EnergyTower. These devices are easy to set up, connect to the house network and use directly for electricity production. Usually this can be easily installed as a mobile unit and the electricity can be used or stored directly. The hybrid mini power plant only requires a footprint of four square meters and, with the wind turbine on top, reaches a total height of four meters, depending on the variant. If desired, the EnergyTower can also be used without a wind turbine in locations with little wind. NewGreenTec prefers vertical axis wind turbines. These are independent of wind direction, insensitive to gusts, almost noiseless and no danger to birds.

#### **Modularly scalable - versatile in use**

The EnergyTower can be modularly assembled in a variety of sizes. From the Mini Tower for the family home, holiday home or courtyard, to the Power Tower of 20 meters height for industrial use. The EnergyTower is equipped with a battery that meets the demand for a completely self-sufficient energy supply. The interior of the cuboid device can also be used for further installations or as a storage room.

### **Sun and wind combined - even in remote areas**

The EnergyTower uses the renewable energy sources sun and wind in an innovative and intelligent way. Photovoltaics and wind turbines make ideal use of these energy sources; more solar energy is available during the day and summer, more wind energy at night and in winter. The EnergyTower can generate electricity in sunshine as well as in rain and at night. Effective production always depends on the location and meteorological conditions.

The solar panels of the EnergyTower are vertical and therefore have further advantages especially in snowy areas: They have to be freed less from snow (or dust) and freeze less. The energy yield is also optimised by the reflection of the snow. Scientific tests with vertical solar panels were very successful.

Further information:

[www.newgreentec.com/en/energytower](http://www.newgreentec.com/en/energytower)

### **About NewGreenTec**

NewGreenTec GmbH is a start-up company in the Dübendorf Innovation Park that develops innovative solutions for sustainable energy production and smart mobility.

Climate change and urbanisation are reasons for the necessary changes in energy production and mobility. Solar and wind energy as well as the bicycle for urban mobility are part of the solution. With the mini power plant EnergyTower NewGreenTec wants to democratize and decentralize energy production as well as design it sustainably. With the second product, the V-Locker, the company has developed a space-saving, safe and efficient bicycle parking system.