Get the power from (your) house wall!

You know that

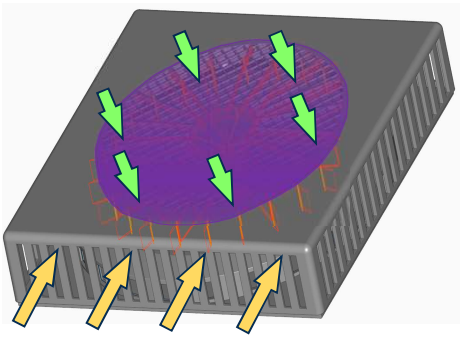
or also that

Are you wondering whether **electricity** can also be generated from **small wind turbines**?

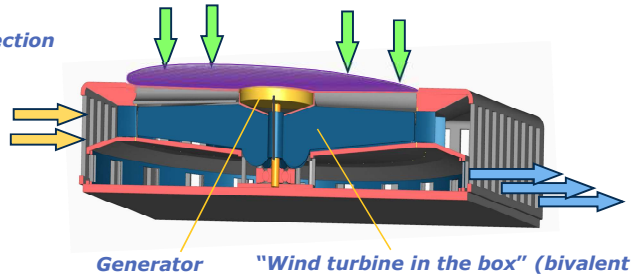
How about the **ANEMOVOLTAICS panel** as a "wind energy converter" ?

Behind this unwieldy name lies a "wind turbine in a box". You can imagine it as a large box, a housing whose width and length is about the size of your outstretched arms. When the wind blows, a wheel turns inside the housing, driving a generator.

Thanks to the special, patented*) design, the wind can enter the housing from the side → and from above → . The air can then flow out of the side of the box → after having passed the "wind turbine".

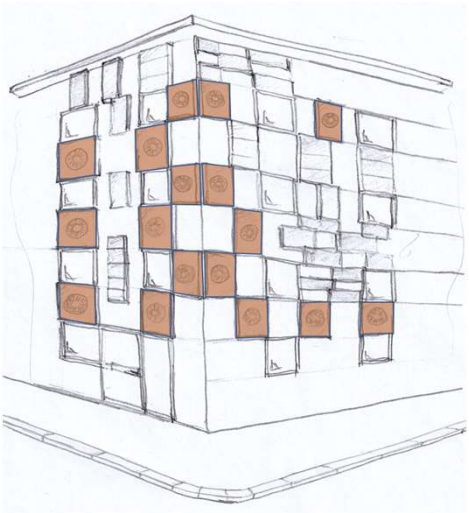


Cross section



The benefits:

- **The panel enables small-scale, local energy generation – similar to photovoltaic panels.**
- **Simple production possible, uncomplicated transportation and assembly**
- **The technology is user-friendly and robust, and the components are easy to maintain and replace.**
- **The "wind turbine in the box" is "nocturnal" and runs when it is windy or on cloudy days and at night.**
- **You don't need masts or towers.**
- **Can be mounted on facades, walls, bridges, in tunnel tubes, etc., without interfering with natural landscapes or the scenery.**



ANEMOVOLTAICS Panels as an energy network system, integrated into a building façade (application example)

*) *F. Franek, C. Herza: Paneel als Windenergiekonverter und dessen Verwendung (Panel as a wind energy converter and its use), Patent holder: AC2T research GmbH, Austrian Patent AT525880 (B1) – 2023-09-15*

For information pl contact:
F. Franek: Friedrich.Franek@AC2T.at
C. Herza: ingenieurbuero@herza.at

Acknowledgement **AC2T research GmbH** operates the **COMET-Centre "InTribology"**, which is supported in the frame of "COMET" – Competence Centers for Excellent Technologies **through the Austrian Ministries BMK and BMAW as well as the States Lower Austria and Vorarlberg**. The COMET program is managed by the FFG (www.ffg.at). Thanks to "COMET" and other funding, in particular from the state of Lower Austria, the center has a comprehensive, high-quality and in some cases unique research infrastructure.