

As Ukraine faces an unprecedented energy crisis with soaring electricity prices and damaged infrastructure, the question arises: can solar energy provide the reliable, cost-effective solution that millions of Ukrainian households urgently need?

A sunflower inspired Yevgen Erik to reinvent solar panels in his home country, Ukraine. After realizing that the solar panels on his roof failed to cover his air conditioning costs during summer, he had an idea to create solar-powered blinds that would track the movement of the sun, like a sunflower, and provide shade to his home.

In 2022, Ternopil hosted the official opening and presentation of the first innovative solar energy system in Ukraine, the Smartflower. Underneath the elegant design of the structure (the installation looks like a huge sunflower) lies an extremely smart structure, fully integrated with intelligent features to combine efficiency and beauty in ...

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The structure of Ukraine's bioenergy sector is as follows: - 70% -- solid biomass; - 15% -- biogas; - 15% -- liquid biofuels. Biomass production potential is about 34 mln tons annually from 94 million tons of agricultural waste. The main raw materials include cereal straw, sunflower, and corn processing residues.

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