

Tech4Good Global Challenge #1: Energy for Ukraine

Tech4Good Global Challenge #1: Energy for Ukraine – Progress Update

January 27, 2025 – Kyiv, Ukraine – After a rigorous KYC process, the initiative **Tech4Good Global Challenge #1: Energy for Ukraine** is moving forward with **6 groundbreaking projects** from Greece, Iceland, Ireland, Italy, Japan/Luxembourg, and Spain, addressing Ukraine's energy crisis for the further implementation of their technologies in Ukraine.

- **BIO2CHP (Greece)**: Enables the use of raw residual biomass for on-site and small-scale heat & power production. *In Ukraine, this can potentially support energy resilience in rural and agri-industrial areas.*
- **Icwind (Iceland)**: Tested in one of the windiest places on Earth, it designs robust micro vertical-axis wind turbines for powering communication towers, weather/seismic stations, emergency systems, and more. *In Ukraine, this can potentially power essential systems like communication towers, emergency response facilities, and weather stations in regions where the grid is unreliable, as well as support the rapid restoration of energy supply to schools, hospitals, and community centers.*
- **GKinetic Energy Ltd (Ireland)**: Develops simple, modular turbines that harness clean, reliable energy from free-flowing water. *In Ukraine, this can potentially provide reliable energy for remote villages and small communities, industrial operations along waterways, smart city initiatives, public infrastructure, irrigation systems, and agricultural processes.*
- **PhotonSolarSystems (Italy)**: Innovates with a revolutionary device providing reliable energy in any condition – ideal for natural disasters and emergencies. *In Ukraine, this can potentially support disaster response teams with portable power, provide energy solutions for off-grid communities, and enable portable energy for events and construction sites for both military and humanitarian aid.*
- **Flexibuster by AC Biode and SEaB Energy (Japan/Luxembourg)**: Combines onsite methane power generation (in collaboration with SeaB Energy) with Plastalyst technology for plastic and organic waste decomposition into hydrogen and other resources. *In Ukraine, this can potentially be deployed in urban centers for managing organic municipal waste and support agricultural sectors in processing bio-waste into energy.*
- **MY SOLAR PLANT by Xizan (Spain)**: Introduces a portable solar generator for self-consumption at home or on the go. *In Ukraine, this can potentially provide backup power for homes during energy crises and blackouts, support displaced communities and rural areas, and aid critical infrastructure and emergency response systems.*

What's Next?

The Tech4Good core team is now working with Ukrainian regional authorities to identify the best locations for implementing these innovative solutions based on urgent needs, and fundraising.

The nearest deployment opportunity comes from **Xizan (Madrid, Spain)**, whose portable solar generator is set to make an immediate impact in Ukraine. For this, the Tech4Good team:

- Secured support from **Igor Sikorsky Kyiv Polytechnic Institute (KPI)**.
- Securing **funds from sponsors and donors**.
- Actively organizing the **delivery and installation** of Xizan's equipment in Kyiv.

Stay tuned for more updates as Tech4Good continues to drive innovation and energy solutions for Ukraine. And from Ukraine – to the World.

For more details please visit the official website: <https://tech4goodchallenge.org/>

For further collaboration and media inquiries, please contact:

Email: welcome@tech4goodchallenge.org

Supported by **the Embassy of Ukraine in the Kingdom of Spain F6S.com**, & **ITKey.Media**, the initiative Tech4Good Global Challenge exemplifies the power of international collaboration to address critical energy needs and enhance resilience in conflict-affected regions. **“Ukraine Today, the World Tomorrow”** stands as the initiative's motto, symbolizing its potential to inspire transformative innovation worldwide.

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#SustainableEnergy #GlobalImpact