



PROJECT INFORMATION

HOPE HOME II



Hemp, straw, and clay instead of concrete: Zavodske is taking the village's development into its own hands and becoming a model for the rest of Ukraine.

Source: HOPE HOME • НАДІЯ

Background

Russia's war of aggression has damaged or destroyed 14% of Ukraine's housing stock, affecting more than three million households. The reconstruction of infrastructure alone accounts for 27% of Ukraine's war-related CO₂ emissions, and this share is likely to rise further if conventional concrete construction methods are used. International concrete construction companies dominate the reconstruction of major cities, while rural regions are largely overlooked. In the municipality (Hromada) of Zavodske (formerly Pervomaiske), HOPE HOME • НАДІЯ has been developing an ecological, community-based reconstruction model since 2024 in collaboration with residents and the village council.

Project details

HOPE HOME • НАДІЯ is working with the joint municipality to develop a replicable model for climate-resilient, resource-efficient construction in rural areas of Ukraine. Local governments, tradespeople, educational institutions, and civil society are learning to independently implement low-carbon construction methods using bio-based materials such as hemp, straw, and clay, and to share these practices with other communities. In digital preparatory workshops, experts from Germany and Ukraine jointly develop the technical foundations. In two on-site practical workshops, each lasting 10 days, 40 participants will apply this knowledge directly to buildings and acquire craftsmanship skills. At a hybrid conference, the Kyiv and Berlin Chambers of Architects, together with building material producers, will develop an EU-compliant certification strategy for straw. During the next planting season, test fields for industrial hemp and glyphosate-free wheat will be established as the basis for local building material production. By the end of the funding phase, local workers should be able to operate a hemp-straw-clay manufacturing facility, creating green jobs in the community.

Updated: April 2026

Project country: Ukraine

Duration: 03/2026 – 09/2027

Beneficiaries: Zavodske Village Council, artisans, farmers, young people, residents of the community
Implementing organisations: Be An Angel e.V., HOPE HOME • НАДІЯ Network, Kyiv University, TU Berlin, the Kyiv and Berlin Chambers of Architects, Modulina & Hempire, and the NGO No Waste Ukraine

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Advisory Assistance Programme (AAP)

for environmental protection in the countries of Central and Eastern Europe, the Caucasus, Central Asia and other countries neighbouring the European Union – a programme of the Federal Ministry for the Environment, Climate Action, Nature Conservation and Nuclear Safety

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