Year: 2023
Location: Ukraine
Program: Temporary Housing

Styrofoam Housing System



<<Ukraine Relief Projects

PHASE 4
Hospital in Lviv

PHASE 3
Stove Aid

PHASE 2
Styrofoam Housing System

PHASE 1
PPS for Ukraine

Styrofoam Housing System

Voluntary Architects' Network(VAN) + Shigeru Ban Architects are planning to locally produce SHS(Styrofoam Housing System), a panel-type housing that can be easily constructed.SHS is a housing system that can be easily assembled by non-skilled workers using lightweight panels with Glass Fiber Reinforced Plastic (GFRP) wrapped around an extruded polystyrene foam insulation material called Styrofoam. We aim to offer this system with affordable prices by using materials that are less affected by the recent sharp rise in building material prices. In addition, the panel production will create employment opportunities by employing Ukrainian refugees at a local factory.
[Cooperation] Daiwa Lease Co., Ltd.

Ukraine

On June 30, 2023, a prototype of the SHS (Styrofoam Housing System) was completed in Lviv, Western Ukraine. The SHS is made of GFRP (Glass Fiber Reinforced Plastic) wrapped around insulation panels and is lightweight and easy to construct. The prototype was built in a temporary housing complex in Lviv, where about 1,300 IDPs live, and will be used as a classroom for children to learn music and drawing.

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Cooperation：Jerzy Łątka archi-tektura.eu, AVR Development, City of Lviv, Wroclaw University of Science and Technology, Foundation Manus

On September 26 2022, meeting with Andriy Sadovyi, Mayor of Lviv, to exchange opinions.

POLAND

Team
- Jerzy Łątka
- Hubert Trammer
- Daria Pawłosik
- Artur Jörgen
- Students of the Wroclaw University of Technology

Preparations for SHS mock-up were made by students of Wroclaw University of Technology starting on September 16th 2022

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SHS Mockup was built in Wrocław with the cooperation of the Wroclaw University of Technology on September 27, 2022

Mock-Up

With Daiwa Lease Co., Ltd.
We have developed an assembled house using Glass Fiber Reinforced Plastic (GFRP) panels as structural material in collaboration with Daiwa Lease Co., Ltd.
A mock-up was exhibited at ARK Hills Karajan Square in Tokyo on April 9-10, 2013.

Development