



# Association of enterprises NGO «Energy Alliance»

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**Cooperation proposal  
No funding required**

## **Presentation of the program-plan for the comprehensive recovery of the Region of Ukraine "Initiative". Block section "Energy efficiency"**

During the implementation of all Blocks of the Program-plan "Initiative", issues of the development of the Region's industry, employment of the population and social issues are resolved. Architectural solutions for the development of the Region rise to the European level.

Comprehensive plan-program "Initiative" Block "Energy efficiency", initiated and developed by NGO "Energy Alliance" PE "Standart-C" "Estandar-C" (Dnipro, Ukraine). The purpose of the program, based on the analysis of the current state and forecasts of the development of the economy of the Region, is to develop the main directions of the energy conservation policy in the field of communal property, private home ownership and construction, which involves the creation of a regulatory and legal framework, the formation of a favorable economic environment, the creation of a complete and effective system of energy conservation management of buildings and infrastructure objects (energy management).

During the execution of the program "Initiative" Block "Energy efficiency" to solve the problems of energy efficiency, for the first time in Ukraine, the agreement of the principle of solidarity is applied. **Agreement on the principle of solidarity - mutual responsibility in the field of consistency and in the scope of implementation of thermomodernization measures at heat generation facilities, centralized heat transfer networks and energy-consuming facilities.** The Agreement on the Principle of Solidarity can be applied and be effective in full, with the development of decentralization of relations in the state.

Program "Initiative" Block "Energy efficiency" consists of three parts. They can be implemented using the experience of implementing another part of the Program, or they can be implemented only according to the calculations and proposed technologies for thermal modernization of objects of a specific part of the Program being implemented.

**- Program "Basic" section (Energy efficiency section).**

Obtaining economic performance indicators of industrial and other enterprises of the Region. Obtaining statistical data based on the results of the activities of the entire Region. Analysis of the potential of ADE of the Region. Development of Technical Tasks for the construction of Joint Enterprises. Development of the procedure for financing measures to restore the Region.

**- Program section "PPVKI Initiative"**

Program of practical implementation of the "Concept of the national plan to increase the number of buildings with close to zero energy consumption" Resolution of the CMU (Energy Efficiency section)

Comprehensive solution of energy efficiency problems in the Region of Ukraine. Use of alternative energy sources. Application of European technologies for thermal modernization of buildings with engineering infrastructure facilities.

**- "PTADE Initiative" program**

The program of thermal modernization of buildings using the potential of ADE and thermal discharges (Energy efficiency section)

Comprehensive solution of energy efficiency problems in the Region of Ukraine. Use of alternative energy sources. Application of Ukrainian technologies for thermal modernization of buildings with engineering infrastructure facilities.

One of the main tasks of the Plan is to raise the level of energy efficiency of the Region to the European level with the help of special low-cost technologies for thermal modernization of buildings and infrastructure facilities at the first stage.

**Plan-programme "Initiative" Block "Energy efficiency"** provides for the implementation of comprehensive thermal modernization of buildings and engineering infrastructure facilities in the Regions of Ukraine:

- certification and thermal modernization of buildings using the Step-by-Step Retrofit to EnerPHit technology (step-by-step) – 160 objects;

- certification and thermal modernization of objects in accordance with the methods of the Ukrainian standard DSTU 9190:2022, NBV.3.2-3:2014 (and other Ukrainian standards on energy efficiency) - 1,680 buildings and objects.

The estimated cost of the pilot project is 324 mln. Euros (depending on the number of thermal modernization of facilities implemented and proposed for construction in accordance with the Plan of Joint Enterprises. The estimated cost of the entire "Initiative" Project is 7.2 billion euros).

Practically, in accordance with the Program Plan, 6 pilot works on certification of typical schools in 2 climatic zones of Ukraine - Dnipropetrovsk and Kirovohrad regions have already been carried out. Demonstration primary certifications of typical schools No. 6 and No. 10 for compliance with the indicators of the European energy efficiency standard EnerPHit Step-by-Step were conducted in the city of Synelnikovo. The work was carried out by the German institute "Passive House" PHI Darmstadt and OP "Standart-S". This is the beginning of the implementation of the "Initiative" Program. The experience gained in this work will be used to develop a step-by-step process for thermal modernization of low-income customers.

The Spanish Association of Industrial Enterprises "Sercobe" has prepared the delivery of industrial equipment to facilities that require thermal modernization.

Implementation of the "Initiative" Program in terms of the implementation of pilot projects on thermal modernization of buildings using NZEB technology practically solves the issue of implementation of European energy efficiency directives, which must be recognized by our country according to the Association Agreement between Ukraine and the EU.

In the part of the Program for the creation of mass ESCOs for the parallel thermal modernization of power generation facilities, heat networks and buildings, the energy of Joint Enterprises that use ADEs and thermal discharges will be used, which will give a rapid increase in energy efficiency indicators in the Regions (communities) of Ukraine with only partial use of conventional energy sources.

Full implementation of the Program Plan, according to its Blocks, will require the supply of energy-efficient equipment and construction materials. The Program provides for the creation of industrial enterprises in the Regions, which will immediately have real orders for the production of energy-efficient equipment for thermal modernization facilities under the Program.

**With the implementation of the full volume of planned activities of all Blocks of the "Initiative" Plan-program, having experience in the development of PP "Standard-C" Concepts and projects for the construction of heating plants based on heat pumps, a basis will be created for the construction of a new direction in the energy sector of Ukraine. Thermal energy will be produced based on the use of thermal discharges with the help of heat pumps. NGO "Energy Alliance" PE "Standart-C" "Estandar-C" developed in 2008-2009 the Concept "Creation of a new direction in energy in Ukraine based on the use of heat pumps when using thermal discharges of Nuclear plants." In accordance with the Kyoto Protocol, Ukraine received investments from Japan and Spain, which were used to start the works on heat supply to the cities of Marganets, Nikopol and Zaporizhzhia from thermal plants at the Zaporizhzhia NPP.**

As a result of the implementation of the "Initiative" program, energy resources are saved, environmental problems are solved, jobs are created, and social issues are solved.

Proposals and calculations of the "Initiative" program also provide conceptual solutions to energy efficiency problems in the Region of Ukraine. NGO "Energy Alliance", implementing the Program, participates in the implementation of EU Energy Efficiency Directives. For this, the experience of the German Institute of Passive House RNI and "Alliance" in the field of practical work on solving energy efficiency problems in Ukraine and other countries is used. The Spanish Association of Industrial Enterprises "Sercobe" performs practical work on the implementation of the Program's tasks, organizes project financing and interacts with the Spanish government.

The results of the Program implementation contribute to the development of the legislative and regulatory framework for the wide construction of NZEB buildings in Ukraine. The Order of the President of Ukraine dated September 30, 2019 will be implemented. No. 722 "On the goals of the sustainable development of Ukraine for the period until 2030" and the decree of the CMU No. 88-R of 29.01.2020 "On the approval of the Concept of the implementation of state policy in the field of ensuring the energy efficiency of buildings in terms of increasing the number of buildings with close to zero

level energy consumption and approval of the National Plan to increase the number of buildings with close to zero energy consumption."

Implementation of the provisions of CMU Resolution No. 1460 of December 23, 2021. and No. 1159 dated October 14, 2022. makes it possible to solve the task of raising the level of energy efficiency to the European level in Ukraine and to successfully carry out the restoration of all villages and towns of the country.

We offer to use the experience of working on the development of the "Initiative" program to speed up the development of the Procedure for the implementation of Resolution of the Government of Ukraine 1159 of October 14, 2022 "Comprehensive Restoration of the Region of Ukraine".

Director of PE "Standard-S"



Rybakov A.A.