

The logo for ECU (Energetichna Kompaniya Ukrainy) is located in the top left corner. It consists of the letters "ECU" in a bold, white, sans-serif font, with the full name "ЕНЕРГЕТИЧНА КОМПАНІЯ УКРАЇНИ" in a smaller font below it, all contained within a dark blue rectangular box.

**ECU**  
ЕНЕРГЕТИЧНА КОМПАНІЯ УКРАЇНИ

# STATE SUPPORT FOR THE DEVELOPMENT OF THE DISTRIBUTED GENERATION IN UKRAINE

November 2024

# Distributed Generation in Ukraine

## GENERAL NEED

The demand of Ukraine's energy system for flexible distributed generating capacities is estimated at 1,400 MW.

## REGIONAL DISTRIBUTION

Geographically, flexible capacities are most needed in demand in places of concentration of consumers – medium and large cities. The placement of maneuvering capacities in small installations, which are distributed throughout the country, is also in line with the concept of energy decentralization.

## THE WAR FACTOR

In addition to the usual need of the power system for specific maneuvering capacities, it is necessary to consider the war factor, which affects the volume and location of equipment

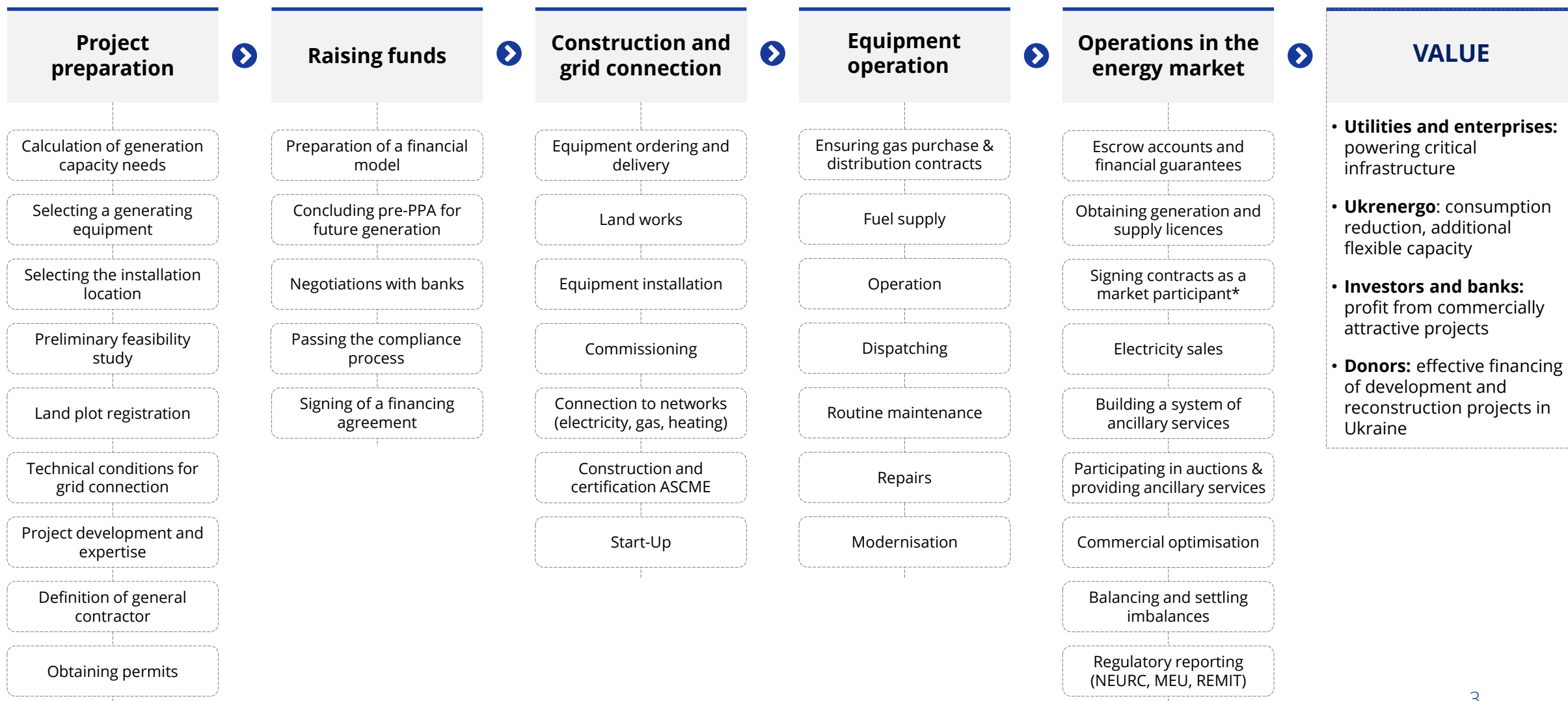
- in the face of **periodic blackouts**, a 'fast' generation within cities becomes a critical necessity. This 'fast' generation is instrumental in powering essential infrastructure during emergency shutdowns caused by damage from shelling.
- **migration** – the constant movement of population, both within the country and abroad, which changes the distribution of consumption between regions,
- **increased risks of destruction** – shelling by russia creates additional risks, especially in the frontline regions.



### KEY CRITERIA FOR SELECTING SITES

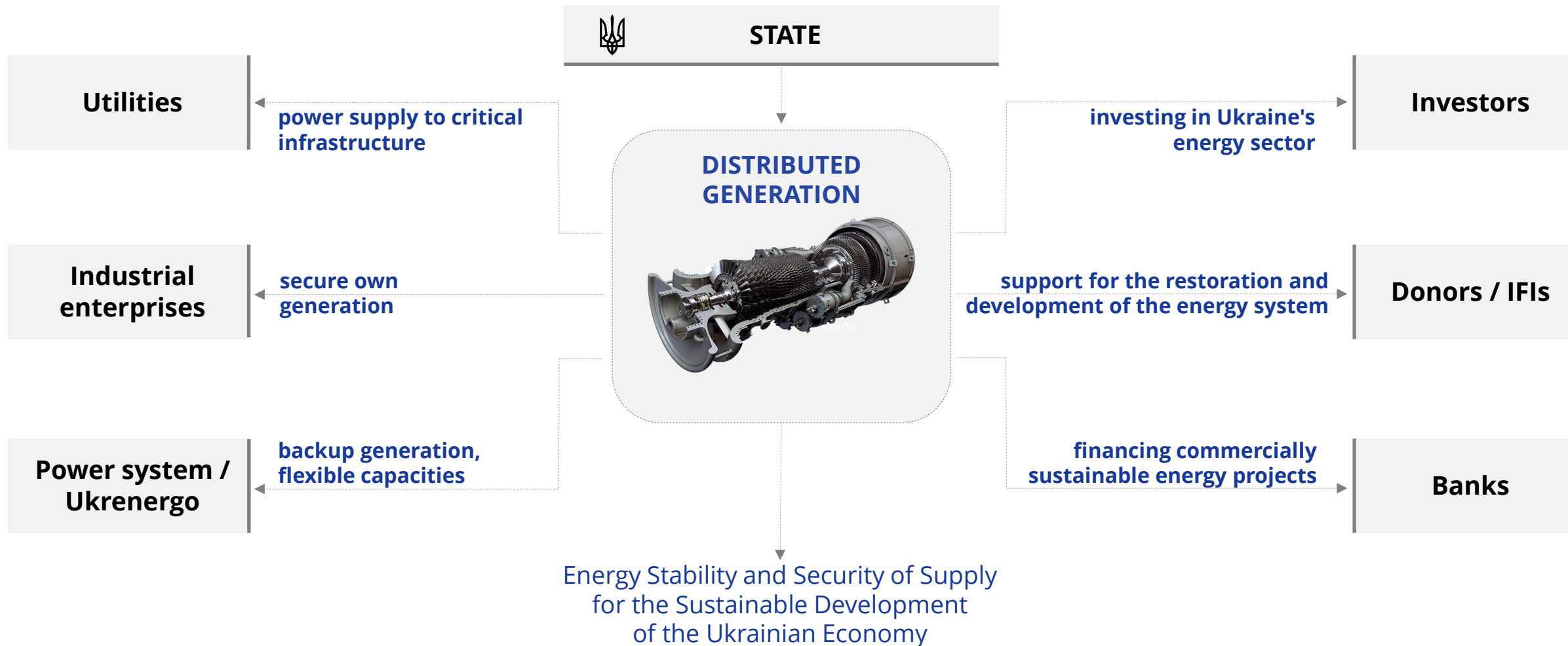
- ✓ Inside cities with a population of 200k+ (25 nationwide)
- ✓ Availability of infrastructure (power grids, gas)
- ✓ The level of risk of shelling

# Value Chain of Distributed Generation



\*Contracts for electricity distribution, electricity transmission, dispatch control, network sharing, settlement of electricity imbalances, for operation on the DAM/IDM, for commercial metering services, etc.

# Map of Distributed Generation Stakeholders in Ukraine



# Creation of a Platform to Support the Development of Distributed Generation on the basis of "Energy Company of Ukraine"



ECU is the only state company established to manage market risks and optimize electricity supply for strategic state-owned enterprises in Ukraine.

The main expertise of ECU is to create a European business model of trading for work in domestic and foreign energy markets.

Market expertise and combined experience of the team in the energy sector allows the ECU to implement the most complex tasks of the state to strengthen the energy security of Ukraine.



**A state-owned company** with a market philosophy and business model



The first professional **state-owned energy trader**



**The best expertise** in the field of analysis and forecasting of electricity markets



**A professional management team** that is able to implement strategic/ large-scale projects under time pressure

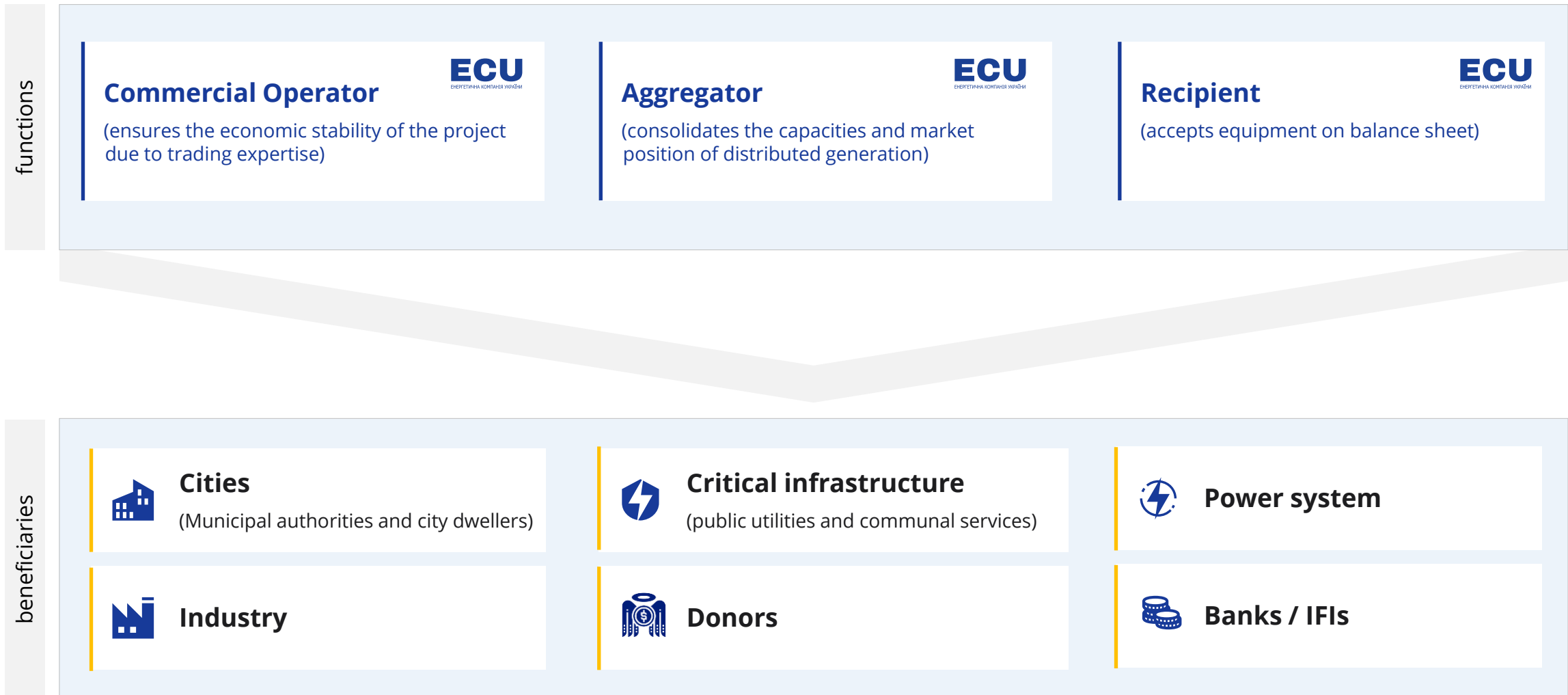


Ability to **link supply and demand**, considering volatility and multiple market segments, both internal and external



**Large balancing group**, which includes the largest Ukrainian electricity producer, which helps to optimize the supply and demand of participants

# Business Model of the National Operator of Distributed Generation





# About ECU

A state-owned energy trading company established in 2022 to represent the state in domestic and international energy trading markets

## Market position

**TOP 5 electricity traders** in Ukraine

**The biggest balancing group** in the Ukrainian electricity market

**TOP 2 importer of electricity** from the EU

**TOP 2 green energy traders** in the energy market of Ukraine

## Clients' portfolio

**10%** of Ukraine's GDP is generated by the clients of ECU

