

**SMART
SOLUTIONS
TO INCREASE
YOUR EFFICIENCY**

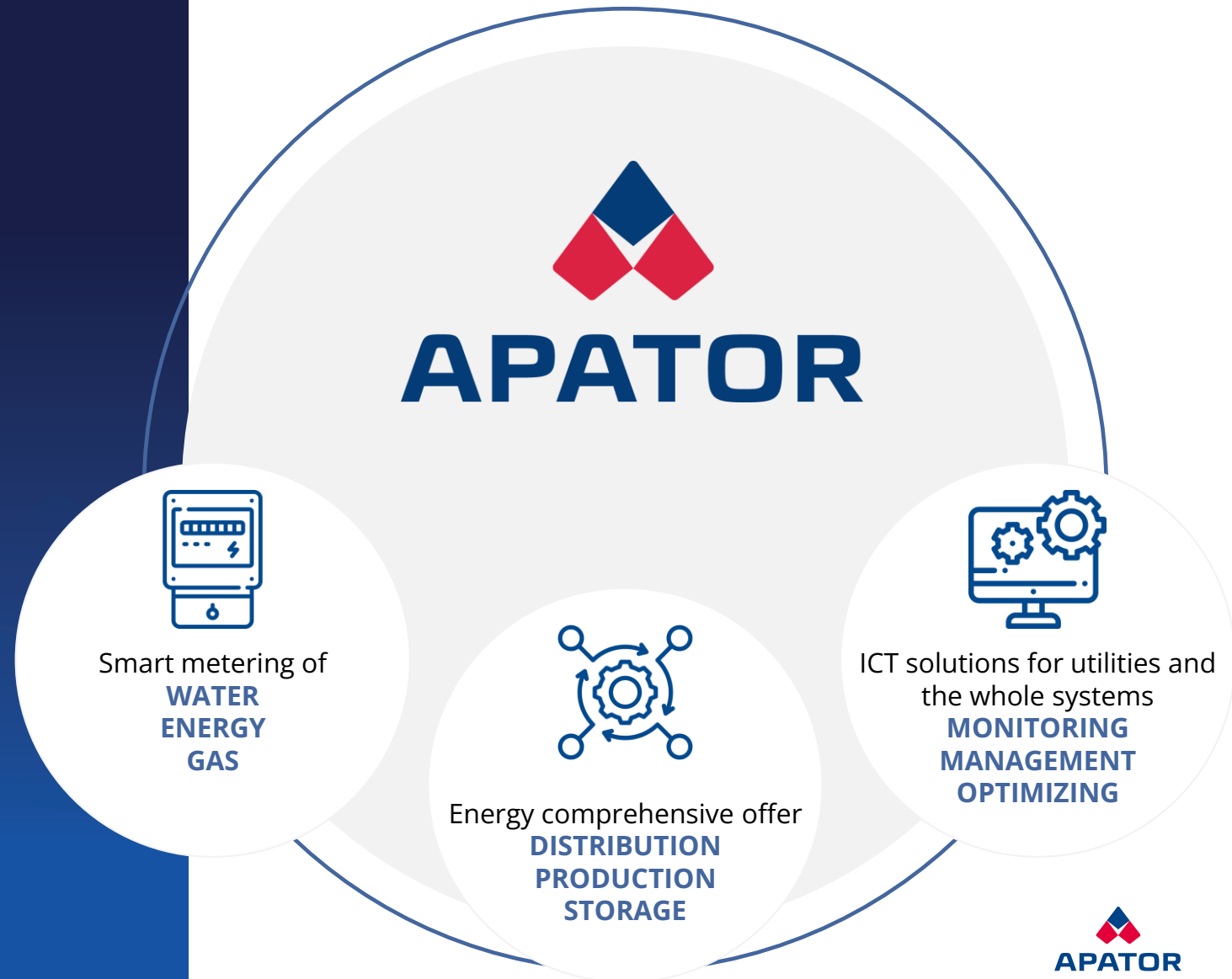


APATOR

APATOR GROUP SMART SOLUTIONS

PROVIDE REAL-TIME DATA
ON CONSUMPTION / GRID
PERFORMANCE AND
SUPPORT PROCESS OPTIMATIZATION

- ✓ Improved energy and water efficiency
- ✓ Grid reliability and safety
- ✓ Consumer empowerment through transparent billing
- ✓ Support for renewable energy integration and dynamic pricing
- ✓ More sustainable ecosystem



TASKS OF THE APATOR GROUP SYSTEM IN THE SŁUPSK BIOENERGY CLUSTER



Ongoing supervision
and monitoring of all
networks, including
all voltage levels



All selected data
acquisition and
management



Algorithms
and predictive models
to supporting
decision-making
and autonomous
control



Possibility
for measuring
and billing
of all points



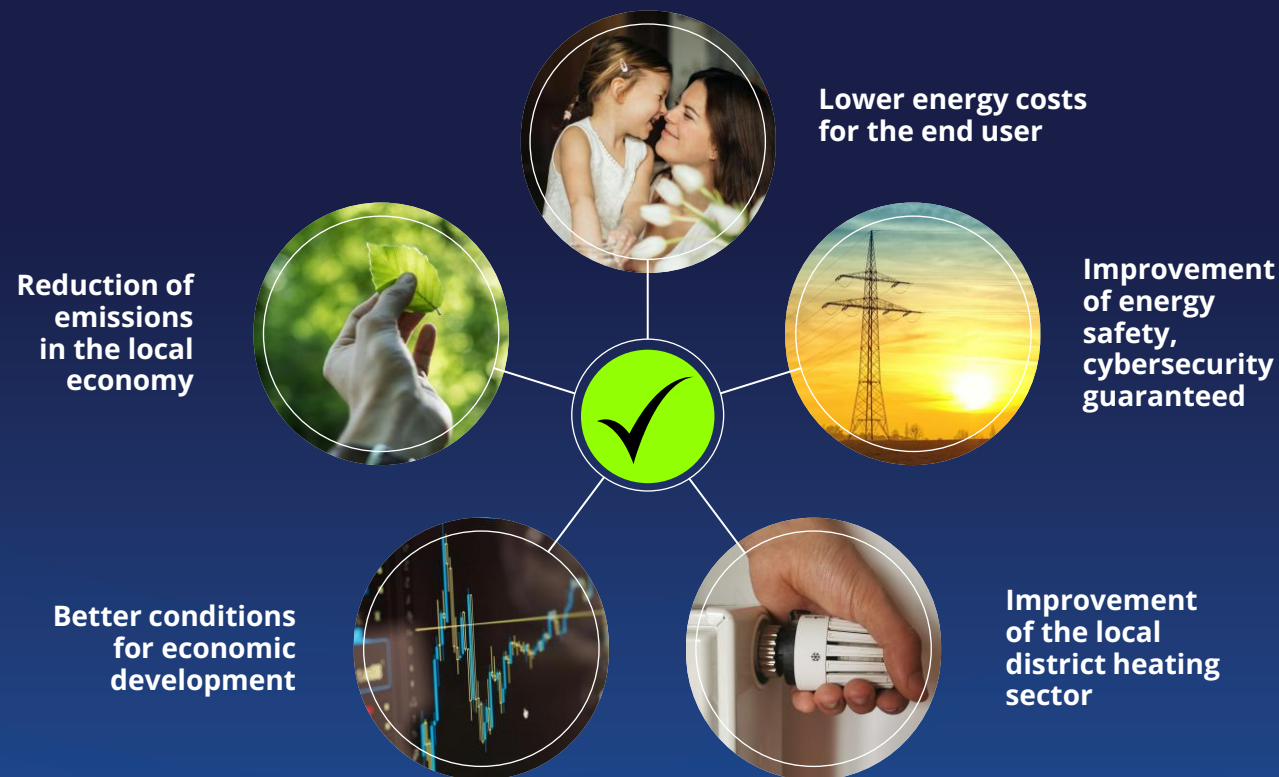
System development:
smart meters, PV, energy
storage, central automation
and power guard

BENEFITS FOR THE SŁUPSK ENERGY CLUSTER

As aquatic ecosystems are comprising diverse water environments, are essential components of the Earth's biosphere. Each ecosystem type, from freshwater lakes to expansive oceans, plays a distinct role in maintaining ecological balance. It means that we cannot separate terrestrial ecosystems from aquatic ecosystems.

By addressing challenges of aquatic ecosystem we address the challenges of humanity.

At Apator Powogaz we like to put aquatic ecosystem in the **business context**. By the term aquatic ecosystem we mean software, hardware, techniques and technologies used to manage and connect all elements of the water infrastructure which may lead into reduction of water loss and reduction in water footprint thus allowing better management of one of most important resources to make us live on this planet.



COMPREHENSIVE OFFER

Our competitive
advantages



APATOR
POWOGAZ



HARDWARE



DATA READING



SOFTWARE

TVO GROUP x APATOR POWOGAZ

Partners in Water Management Solutions

TVO Group is a Ukrainian company based in Kyiv, operating as the exclusive distributor of **Apator Powogaz** products in Ukraine and Georgia. The company cooperates with **56 water utilities** across **23 regions** of Ukraine, providing reliable metering solutions and technical support for municipal water management.

Through close collaboration with Apator Powogaz, TVO Group contributes to the **modernization and recovery** of water infrastructure, ensuring precise measurement, efficiency, and sustainability in water supply systems.

Together for the Recovery of Ukrainian Water Utilities

As a result of the ongoing war, many Ukrainian water utilities have suffered severe damage to their infrastructure. One of the most striking examples is the **Kramatorsk Water Utility (Donetsk region)**, where in February 2024 a missile strike **destroyed the filtration station and reagent building**, causing the loss of essential equipment for water purification and disinfection.



TVO GROUP x APATOR POWOGAZ

Together for the Recovery of Ukrainian Water Utilities

Through close cooperation with local partners such as **TVO Group**, **Apator Powogaz** supports the modernization and reconstruction of water supply systems, helping to restore reliable access to clean water for Ukrainian communities.



PREMIER



Thank you for your attention

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