



KSSE

Katowice
Special
Economic Zone

**The zone
of great potential**

No. 1 in Europe

ACCORDING TO FINANCIAL TIMES



KSEZ in figures

90 000

WORK PLACES



9.7 bln EUR

INVESTMENTS



540

COMPANIES



+800

INVESTMENT
PROJECTS



STRATEGIC LOCATION

MAIN ADVANTAGES:

- location in the heart of Europe
- the best road, rail and air communication
- large educational center
- strong automotive sector





Key figures

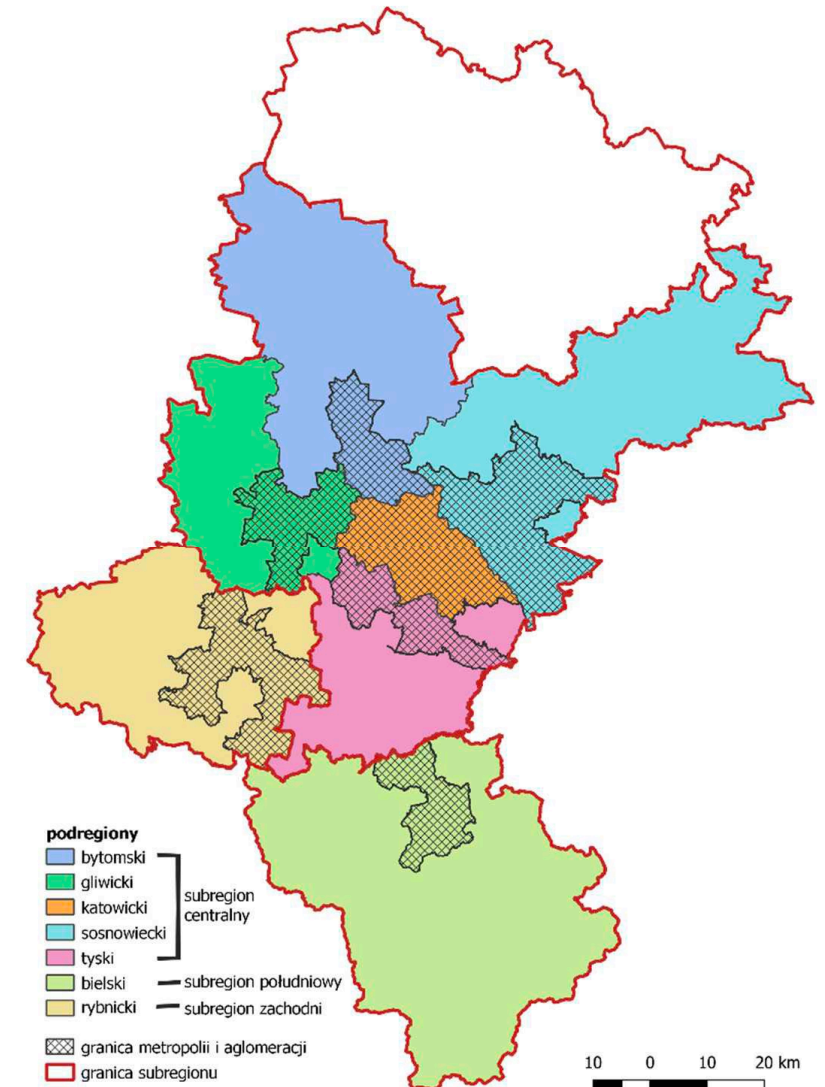
- Number of urban centers: **70**
- Population: **4.5 mln**
- GDP share: **12% of Polish GDP**
- Area: **12 000 km²**
- Population density: **370 / km²**
- Unemployment rate:
 - Silesia: **4.3%**
 - Poland: **5.4%**



Just Transition Fund in Silesia Voivodship

The Silesia Voivodship is the largest mining region in the European Union, which has been undergoing a transformation process for almost 30 years.

Over 70% of the total area of the Silesia Voivodship was covered by support from the Just Transition Fund



Energy Clusters

What exactly are energy clusters in the Polish legal order?

- An energy cluster can be described as an agreement of locally operating entities involved in the generation, consumption, storage and sale of: electricity, heat, cooling and electricity in transport (fuels)
- Clusters are created to generate and balance demand, distribute or trade energy from renewable energy sources or from other sources or fuels, as part of a distribution network with a rated voltage lower than 110 kV

Energy Clusters

Why the Katowice Special Economic Zone is involved in the development of energy clusters in the area we manage?

- **Access to electricity** is one of the key elements determining the implementation of investments in a given area
- The increase in **energy security** resulting from the activity of energy clusters increases the investment attractiveness of the regions covered by their operation
- It helps to increase the supply of energy obtained from **renewable energy sources**

Energy Clusters

KSEZ is currently actively participating in 7 local energy clusters:

- Tyskie Cluster of Energy - Now the Environment,
- Żywiec Energy Cluster - Żywiec Energy of the Future and
- Bytom Energy Cluster - Energy Innovation Cluster in Bytom.
- Cieszyn Energy Cluster
- Bielsko Energy Cluster
- Gliwice Energy Cluster
- Katowice Energy Cluster

Energy Clusters

Selected energy projects implemented within the KSEZ as well as existing and created energy clusters:

- Solar Żywiec
- Special Energy Zone in Bytom
- New Energy. Suszec
- Silesian Energy Storage System
- Silesian-Małopolska Hydrogen Valley
- Heap revitalization project



"Solar Żywiec" - Completed

Under the signed agreement, the Leader of the Żywiec Energy Cluster received funding in the amount of over **PLN 52 mln** for the implementation of **3,000 installations** in 10 communes of the Żywiec Powiat (Gilowice, Jeleśnia, Koszarawa, Lipowa, Łodygowice, Milówka, Radziechowy Wieprz, Rajcza, Ujsoły, Żywiec), including:

Photovoltaics 2228 pcs.

Air heat pump 560 pcs.

Hot water air heat pump 64 pcs.

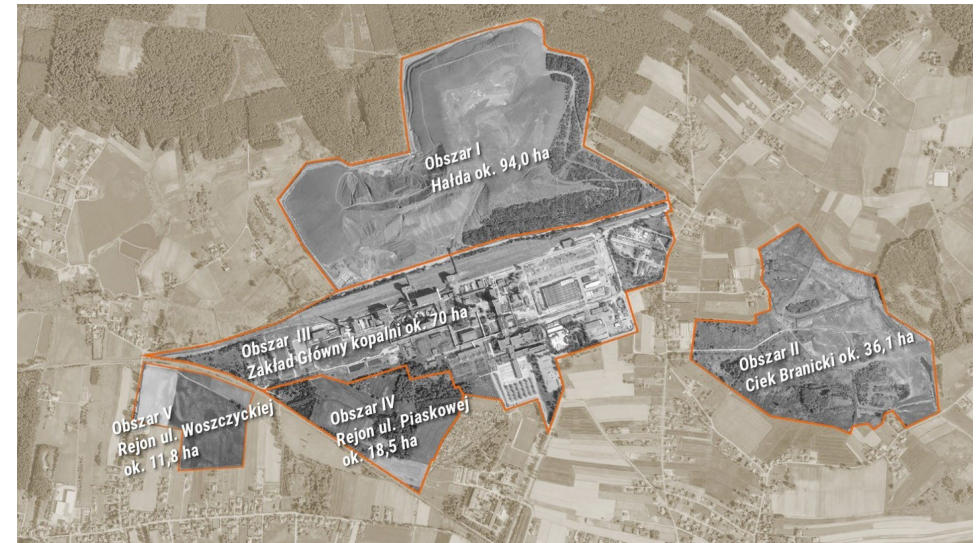
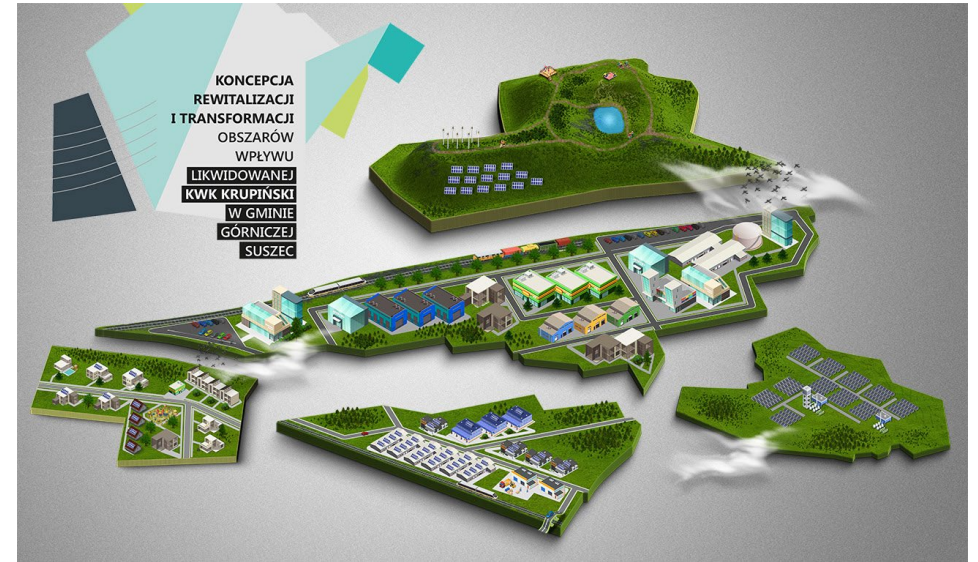
Ground pump 148 pcs.

"Special Energy Zone in Bytom"

- The initial goal of the project is to change the function of a degraded area with a total area of 88 ha, into an investment area with land development and utilities, with access to cheaper and "green" electricity and heat from RES, with energy storage facilities and the construction of a direct line. To achieve this, two photovoltaic farms with a capacity of **8 MW each** will be built in this area.
- In addition, two energy storage facilities with a capacity of up to **5 MW each** will be built, which will provide energy production stabilization, enabling the maximization of self-consumption, as part of the Bytom Innovation Cluster.
- The target capacity of photovoltaic installations implemented as part of the project is to exceed **38 MW**.

"New Energy. Suszec"

- The goal of the project is to develop plots located on the site of the liquidated mine, which must undergo the process of revitalization and transformation in the coming years.
- The project includes, an emphasis on investments in renewable energy sources, through the construction of a photovoltaic farm with a capacity **exceeding 36 MW**.
- The project is to engage not only companies but also an individual inhabitant of the commune to cooperate in creating a new character of the commune, giving a chance to retrain, and thus change the profession to another.



"Silesian Energy Storage System"

- Each of the mines selected to participate in the project will be transformed to become a "storage island" with an energy management system and supply of an energy stream in accordance with the demand, powered from renewable sources.
- As part of the project, modern jobs are to be created, in particular for people who have lost their jobs in the mining industry due to the ongoing transformation



"Silesian-Małopolska Hydrogen Valley"

- The aim of the Hydrogen Valley is to support the development of the hydrogen economy and to strive to build a branch of the Silesian-Małopolska hydrogen industry, including one based on the production of hydrogen in the electrolysis process using energy produced from renewable energy installations and its use in the energy sector, including heat, transport and infrastructure as well as in industry
- The creation of the Silesian-Małopolska Hydrogen Valley is not only the implementation of the Polish Hydrogen Strategy published in December 2021, but also a significant step towards innovation and decarbonisation of the Polish economy.
- By creating a hydrogen valley, the distance between supply and demand centers will be shortened, sectors will be integrated, business partners will be found and processes and costs related to hydrogen-based energy will be optimized.

"Heap revitalization project"

KSSE concluded a consortium agreement on the preparation and conduct of the procedure to select the entity that will carry out the Concept Study for the Implementation of **innovative projects related to making degraded post-mining areas available for renewable energy and hydrogen production** in order to develop an innovative circular economy and finance the Concept Study.





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