December 2023

Competitive advantage of post coal mining areas: Solar Photovoltaic Plant

The shift from coal mining to renewable energy in regions presents economic growth

and job creation opportunities. Repurposing decommissioned coal mining sites for solar photovoltaic (PV) installations is crucial, but challenges include ensuring safe and environmentally responsible reuse and community engagement. This transition contributes to clean energy and job creation. The European Green Deal targets a climate-neutral economy by 2050, emphasizing the role of the PV solar industry. While PV technology in mining sites offers a path to sustainability, challenges like infrastructure retrofitting and solar energy intermittency need addressing. Closed coal mining sites offer a chance for recovery, particularly waste heaps. GreenJOBS suggests using these areas for PV systems, including floating PV farms. Developing solar PV plants in mining regions can boost economic growth, attract investments, and provide job opportunities, aiding the transition from coal-dependent economies.



More information through the following link: http://greenjobsproject.uniovi.es/wp-content/ uploads/2023/07/D2.2-Solar-Photovoltaic-deployment.pdf

Partners







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(geothermal, wind, photovoltaic, etc.) have been completed. At the same time, activities for

GreenJOBS progress

WP3 are also advancing in a good way. The project has continued with its communication campaign. The main communication actions of the last six months are shown below.

After the first 12 months, the GreenJOBS project is progressing according to the program, and the corresponding deliverables for WP2 about emerging renewable energy sources

3rd Progress Meeting

on October 4th, 2023



the possibility of circular economy technologies, such as geothermal, photovoltaics, wind power, pumped hydro and green hydrogen that could be implemented in the scope of the new

The subject of the discussion wast

Consortium.

green business model in coal mines. Renewable energy in Poland

with SRK Company

Cooperation



interest related to the work developed in GreenJOBS project. It was attended by representatives of Węglokoks Kraj SA and GIG-PIB. A Memorandum of Understanding was being processed to exchange information

on the business environment in which the

held on November 2nd, 2023 in order

to discuss the future areas of common

business model for Mine Bobrek will be developed.

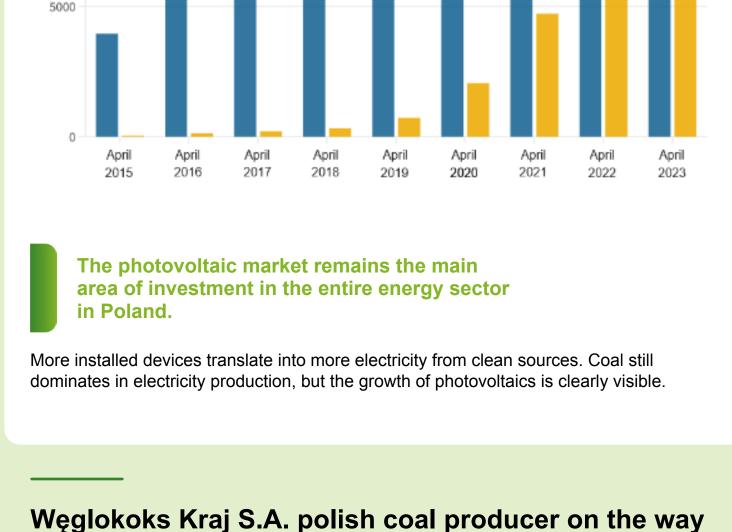
Installed power, MW Wind energy Photovoltaic

energy production) in photovoltaics increased by 180%.

10 000

In 2023, Poland made many efforts to increase its own renewable energy capacity. In recent years new wind farms have been built, but much fewer than would be possible. On the other hand, the last few years have been a real boom in solar energy. In two years

(from April 2021 to April 2023), the amount of installed capacity (i.e. the maximum possible



acquired two hard coal mines - KWK Bobrek in Bytom and KWK Piekary in Piekary Śląskie; later the mines were merged into KWK Bobrek-Piekary. The coal mine has been active since 1907 within the former mining areas "Bobrek" and "Miechowice" located in the cities of Bytom, Zabrze and Ruda Śląska. The mine is located in the central part of the Bytom Basin. The total area is 7.8 km². Węglokoks Kraj S.A. constantly modernizes its machinery and invests in the latest technologies, ensuring not only the efficiency but also the eco-

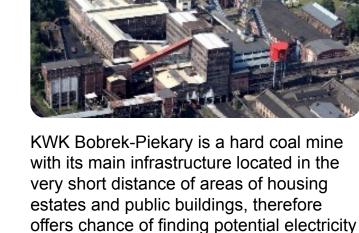
of energy transition

friendliness of its products.

Weglokoks Kraj S.A. is a producer of high-quality hard coal. In May 2015, the company



infrastructure



consumers nearby. The possibility of using the infrastructure for installing photovoltaic panels will be assessed after the detailed analysis including avaiable area, possible location, security of the location, sun exposure and geotechnical conditions.

Job preservation

analyzed.



things, the possibility of using a heat pump was

adaptation to operate in the new business environment. In particular, it is planned to create a retraining pathway corresponding to the transformation objectives: the transition to new energy-related sectors.



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European

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