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PPC Group commences construction of High-Efficiency Cogeneration Plant (CHP) to address district heating needs in Western Macedonia

- *PPC implements its commitments arising from the recent agreement with the local municipal district heating companies*
- *Ensuring Thermal capacity adequacy for Western Macedonia, and effective energy and interconnections management*

The PPC Group has initiated the construction of a High-Efficiency Cogeneration Plant (CHP) to meet the district heating needs of Western Macedonia. The new unit will be located at the site of the former Kardias Thermal Power Plant (TPP). Fully funded by the PPC Group, the project represents an €80 million investment and is expected to commence commercial operations by the end of 2026.

This initiative is a cornerstone of the commitments outlined in the Memorandum of Understanding and Strategic Partnership (MoU), co-signed by the PPC Group, the Just Transition Special Authority, the Region of Western Macedonia, the municipalities of Kozani, Eordaia, and Amyntaio, as well as the Hellenic Gas Transmission System Operator S.A. The construction phase follows the completion of preparatory actions by all contracting parties.

A Strategic Project for Sustainable District Heating

Designed in collaboration with MoU stakeholders, the CHP unit ensures an uninterrupted supply of thermal energy to the interconnected district heating system of Western Macedonia, with provisions for future system expansions as defined by local municipal district heating companies. The project also aims to deliver thermal energy at the lowest possible cost, compared to alternative technologies, enhancing the long-term financial sustainability of municipal district heating operations.

Innovative Energy Solutions with High Efficiency

The CHP unit is part of a broader initiative to establish new thermal energy generation facilities, including developments at the former Kardias TPP site and Ptolemaida TPP Unit 5. The facility will house 17 state-of-the-art gas-fired internal combustion engines, capable of operating on both natural gas and a natural gas-hydrogen blend without compromising efficiency. The plant will meet stringent regulatory standards for "full cogeneration mode," achieving an energy saving rate exceeding 10% and an overall efficiency rate above 75%.

This ambitious project underscores PPC Group's dedication to providing sustainable energy solutions while supporting the region's transition to cleaner and more efficient energy systems.

#PPC_Group #district_heating #WesternMacedonia #HECHP #energy #SDG