

Jerusalem energy efficiency

A "green energy" plan for Jerusalem announced by the Jerusalem Municipality and the Energy Ministry involves the use of natural gas as well, according to the Hebrew-language Ynet site.

The plan, announced Sunday, involves an investment of NIS 90 million to develop renewable energy projects in the capital, including NIS 17 million "20 percent of the budget" to be used for natural gas projects.

The joint announcement stated, among other things, that for the first time there will be an energy master plan to initiate a long-term development and planning process to strengthen and improve energy infrastructure, both routine and emergency.

The plan is expected to establish renewable self-generation capabilities for electricity, as well as promote the development of storage capabilities, investment in electricity and natural gas infrastructure, alternative transportation systems and electric charging stations.

The plan also includes city-wide coordination of infrastructure, and is intended to address energy poverty issues by supporting pilot projects that include the development of a network to distribute electricity in cooperation with the Israel Electric Corporation and the Jerusalem Municipality.

Brenmiller Energy introduced the bGen ZERO on Thursday, representing the evolution of its Thermal Energy Storage system designed for heat electrification "power by electricity instead of fossil fuels like natural gas, coal, or oil.

The bGen ZERO provides heat with zero carbon emissions, empowering various industries to harness electricity, biomass, and waste heat to create clean steam, hot water, and hot air for processes such as plastic molding, food and beverage processing, paper production, chemical and pharmaceutical manufacturing, and driving steam turbines.

"We named our next-generation system ZERO because it charges from clean power sources such as solar and wind, produces clean heat, eliminates carbon in the production process, reduces costs, and, importantly, bGen ZERO itself is built from environmentally friendly, nonhazardous materials," said Brenmiller President and CEO Avi Brenmiller.

"Based on our market experience, we believe that the greatest impact our technology can deliver for the environment and for our customers is in the electrification of heat to provide 100% clean energy to industry, replacing the outdated, polluting boilers of yesterday."



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Spanning diverse industries, including food and beverage, healthcare, chemicals, and green hydrogen, Brenmiller has already inked numerous memorandums of understanding and is actively engaged in discussions with prominent players in the industrial and clean energy sectors, the company said.

The bGen ZERO system has enhanced energy efficiency over the TES system. This includes a 33% reduction in heat loss, a 99% charging efficiency, and a 97% cycle efficiency when converting power to heat. It is also engineered to deliver a rapid one-second response rate and seamless operation at peak capacity, Brenmiller said.

Twenty-two government offices and authorities will receive a collective NIS 100 million over the next two years to carry out more than 70 energy efficiency projects on government properties, the Energy and Finance ministries announced Monday.

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