

Podgorica industrial microgrids

Montenegrin developer Agenos Energy and CGES AD Podgorica, an electric power transmission system operator, have signed a contract for the construction and grid connection of a 87.5 MW solar park in Montenegro.

The plant will be connected to the transmission network at Vilus, where a 220/110 kV substation will be built, connected to an existing 110 and 220 kV network. The same substation will act as a connection point for other solar plants in the area.

"This step means increased production of clean energy, reduced dependence on fossil fuels and potentially lower costs for future users," CGES AD Podgorica said on its website. "It also contributes to a more sustainable future and a more environmentally friendly power system."

Montenegro had 42 MW of cumulative installed solar capacity at the end of last year, up from 22 MW the year prior, according to figures from the International Renewable Energy Agency.

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The future is bright for microgrids across many industries, but growth in three sectors stands out: commercial and industrial facilities (C&I), data centers and utilities.

That's what we heard in talking to a series of microgrid company executives over the last month who will participate in Microgrid Knowledge's upcoming annual conference, Microgrid 2023: Lights On!, May 16-17, in Anaheim, California.

The upward inflection is particularly notable in regions "where the price of electricity is high, the grid is constrained and/or the grid is less reliable," said Jon Erickson, senior project manager at POWER Engineers.

"With grid reliability declining, businesses that cannot go with power disruptions -- such as manufacturing facilities, distribution centers and casinos -- are turning to microgrids," Erickson said.



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"Almost every C&I facility is a candidate for a solar-plus-storage microgrid, which can keep essential services operating without grid power or fuel deliveries," Lilienthal said.

"Industries with highly peaky loads and those seeking added resilience are, in our view, the ones that are set for the greatest opportunities for growth," Marshall said.

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