



# Energy storage for microgrids hungary

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From oil and gas and transportation to utilities, nuclear power and other critical infrastructure, we provide rugged, fully reliable electrical power back-up solutions that are tailored to your specific requirements.

By developing and deploying converters for advanced energy storage, fuel cells and green hydrogen electrolyzers, We are helping to accelerate the energy transition to a more sustainable future.

Our unique understanding and field-experience of power electronics enables us to deliver a full service that goes far beyond commissioning throughout the life cycle of the product.

Our world-class team makes us more than a match for any challenge that comes our way. Our customers always know that they can count on our people to keep them moving forward, raising standards, and delivering results, because whatever happens, we power on.

Zwanenburg, The Netherlands, August 27, 2020 -AEG Power Solutions, a global provider of power supply systems and solutions for industrial, critical infrastructure environments and innovative power electronic applications, today announced that Convert SC Flex storage converters were chosen by INFOWARE Zrt. as a core component of the micro-grid system that the company will implement in Békéscsaba, Hungary. The systems were sold through EXTOR, AEG Power Solutions long-time partner in the country.

The smart-grid project of Békéscsaba is part of the "Modern Cities" program of Hungary. The objective is to supply all energy needs of the urban sport center area, which includes today a general-purpose sports hall, a fencing sports hall and parking lots and will be extended further with a second multifunctional sports hall and a competition swimming pool. Geothermal power plants are also part of the project. The sports facilities of the city will then be powered by green energy sources.

INFOWARE will implement the full microgrid. The power will be provided by a 1.3 MWp photovoltaic power plant. The DC voltage produced by the solar cells is connected to the grid via 2 AEG Protect PV 880 inverters at a rated power of 650 kVA each.

The time and quantity differences between the weather-dependent production and the consumption of sports facilities are compensated by a lithium-ion battery energy storage system rated at 1.2 MW power and a capacity of 2.4 MWh. The energy storage system is based on lithium-ion battery modules of 7.61 kWh each, installed in a fire protection rack system.

INFOWARE is also providing real-time energy management (EMS) and control system which performs local and remote-control tasks as well as the local smart grid center which collects data further used by the "brain" of the microgrid system allowing to minimize the cost of energy used and optimize the whole installation. The



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B?k?scsaba SG1 smart grid project will be implemented by the end of 2020.

"We could be part of this project thanks to our partner in Hungary, EXTOR. It is a great opportunity to further prove on the field Convert SC Flex unique off-grid features, explains Andreas Becker, Head of Grid & Storage inside AEG Power Solutions."

We are ready and waiting to offer trusted, expert advice on how to overcome your power challenges and set your organization up for the future. Please get in touch and we will show you what we can do.

Contact us for free full report

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