

# PRESS RELEASE

Thyrobox DC 3 | Hydrogen Electrolysis | March 19, 2021

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## AEG Power Solutions To Secure Power for The Hydrogen Production Plant of MPREIS in Austria

- The production of hydrogen will serve multiple purposes, all contributing to massive savings in CO<sub>2</sub>
- 8 Thyrobox DC 3 with transformers and distribution will provide power supply to the hydrogen production process

The Netherlands, March 19, 2021 – AEG Power Solutions, a global provider of power supply systems and solutions for industrial, critical infrastructure and innovative power electronic applications announced **that it will provide 8 Thyrobox DC 3 systems to supply power to the electrolysis process of the hydrogen production plant built by the Austrian supermarket, MPREIS.**

The Tyrolean company MPREIS laid officially the foundation stone of its future hydrogen production plant in Völs, (Innsbruck-Land district), close to its headquarters and neighboring bakery in March 2020.

MPREIS cooperates with partners in the Fuel Cells and Hydrogen Joint Undertaking project **Demo4Grid** supported by the European Union to demonstrate large scale Pressurized Alkaline Electrolyser for Grid Balancing Services.

MPREIS objective is to minimize its CO<sub>2</sub> emission and the production of hydrogen will support this project in two ways. First, it will be used for CO<sub>2</sub> neutral heating of the bakery BTM Bäckerei Therese Molk. At a second step, it will serve as fuel for fuel cell vehicles used by MPREIS in delivery process. Long term objective for MPREIS is to convert its complete fleet of trucks to hydrogen operation. The full conversion of the vehicle fleet should take about seven years.

The plant should start running in fall/winter 2021.

**Thyrobox DC 3** was designed to provide good power factor and minimized harmonics which contribute to energy efficiency and limited distortions to the grid feeder, and finally reduce the overall cost of operations of such processes as electrolysis. The system also answers to the requirements of high reliability in terms of power supply.

Thyrobox DC 3 full grid compliance was key in its adoption by MPREIS as well as the flexibility of the solution, its high efficiency especially at partial load operation and the communications standards.

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“Our expertise allowed us to provide intensive technical support when it came to engineer the solution, explains Andreas Becker, Head of Grid & Storage business at AEG Power Solutions. MPREIS approach is very advanced in its future usage of hydrogen and we are very proud to participate to such an innovative project.”

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### About AEG Power Solutions

AEG Power Solutions ensures continuous power availability and the safe operation of critical applications thanks to with a wide portfolio of power supply systems and services: AC and DC UPS, battery chargers, rectifier systems, service and maintenance on 24/7 basis, as well as fully customized UPS systems to customer specifications.

AEG Power Solutions has developed a distinctive expertise and world-class engineering capacities that bridge both AC and DC power technologies and span conventional and renewable energy platforms. AEG Power Solutions has decades of experience with UPS and power electronics, and grid integration, and is leveraging its conversion expertise to engineer and deliver solutions for energy storage applications.

AEG Power Solutions is the sole subsidiary of the holding company 3W Power.  
For more information, visit [www.aegps.com](http://www.aegps.com).

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