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Thyrobox DC 3 | Hydrogen Electrolysis | July 15, 2021

## AEG Power Solutions and ARIEMA Energía y Medioambiente Partnering on Power Supply Solutions for Electrolysis Process for Hydrogen Production

- Purpose is to cooperate in the development of power electronics and power supply solutions for electrolysis processes involved in the production of hydrogen
- Thyrobox DC 3 with coupling transformers and input protections will provide power supply to the hydrogen production process

The Netherlands, July 15, 2021 – AEG Power Solutions, a global provider of power supply systems and solutions for industrial, critical infrastructure and innovative power electronic applications and ARIEMA Energía y Medioambiente, a Spanish company offering solutions and services related to hydrogen and fuel cells technologies, today announced their partnership. The purpose is to cooperate in the development of power electronics and power supply solutions for electrolysis processes involved in the production of hydrogen.

AEG Power Solutions has leveraged its power supply expertise and developed first choice reliable DC power supply systems to meet the specific requirements of electrolysis process. Heavy duty build quality, proven microprocessor-controlled thyristor/IGBT technology and modular design are key characteristics of the Thyrobox DC 3 system which equips already a significant number of H<sub>2</sub> projects and has proven field records with different electrolyser technologies and grid code requirements.

„We are very enthusiastic about this partnership, explains Javier Gomez, General Manager of AEG Power Solutions Iberica, green hydrogen production and multi-purpose usage will contribute significantly to decarbonization. Partnering with an advanced expert in the domain is a great opportunity for AEG PS to remain at the technology-edge of power supply for the processes involved. “

ARIEMA, established in 2002, focuses on hydrogen production and uses. The company totalizes over 30 years of expertise and has been involved in projects such as Ocean H2 (Demonstration of the first offshore green hydrogen production from floating wind and PV) and HUV2 (Portable Hydrogen Refueling Stations for UAV's. ARIEMA is partnering AEG PS

**For further information,  
please contact:**

**Claire Pairault**  
Corporate Communications  
AEG Power Solutions

Mobile +33 6 19 60 91 64  
E-mail [claire.pairault@aeqps.com](mailto:claire.pairault@aeqps.com)

**Inés Gómez de Iturriaga Fica**

Marketing and Communications Specialist  
Ariema

Tel: +34 91 804 53 72  
E-Mail : [ines.gomes@ariema.es](mailto:ines.gomes@ariema.es)

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as user of dependable and efficient power supply systems for its electrolysis equipment, aiming at overall facility optimization and purpose fit installations. “We are very excited about the broad development perspectives this cooperation will bring to our customers”, says Rafael Luque, ARIEMA’s CEO.

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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).

### About ARIEMA Energía y Medioambiente

ARIEMA is a technology-based company focused on providing sustainable energy solutions in the field of hydrogen. Gathering over 30 years of expertise in the hydrogen sector, offers high value hydrogen technologies and accompany the Customer from the initial project stages. ARIEMA counts with its own electrolysis technology and a portfolio of third parties' that, along with its consulting services, consolidate a complete offering.

ARIEMA is entrusted the Technical Secretariat function for various institutions: The Hydrogen Committee of the International Energy Agency (IEA); the Spanish Hydrogen Association (AEH2); and the Spanish Hydrogen and Fuel Cell Platform (PTEHPC).

For more information, please visit [www.ariema.com](http://www.ariema.com)

Photo: Ariema  
Mobile Renewable Energy Generation Unit for Project AURORA

For further information,  
please contact:

**Claire Pairault**

Corporate Communications  
AEG Power Solutions

Mobile +33 6 19 60 91 64

E-mail [claire.pairault@aeqps.com](mailto:claire.pairault@aeqps.com)

**Inés Gómez de Iturriaga Fica**

Marketing and Communications  
Specialist  
Ariema

Tel.:+34 91 804 53 72

E-Mail : [ines.gomes@ariema.es](mailto:ines.gomes@ariema.es)