

PRESSINFORMATION XELECTRIX POWER GMBH

I-KWH ENGINEER AND INITIATE AMBITIOUS MICRO-GRID FOR EV CHARGING INFRASTRUCTURE USING XELECTRIX POWER BESS UNIT - EXPO DUBAI 2020

Mauthausen, November 2021

Austrian based xelectrix Power GmbH - an internationally operating company specialized in energy storage, optimization and control – is part of an ambitious project at the Expo Dubai 2020 taking place from 1.10.2021 – 31.03.2022.

Our partner in the United Arab Emirates **i-kWH** have been spending almost 2 years on the development of an 100% renewable microgrid EV charging solution for UPS (United Parcel Services) and DP World - showing their strong commitment to clean energy strategies.

The micro-grid concept at the DP World Pavilion consists of 40 kWp photovoltaic panels on the roof of the Pavilion by i-kWh. The vehicles operate during the day and charge during the night allowing for most of the PV generation to be stored for evening usage.

The xelectrix Power Battery Energy Storage System UNLIMITED M10 consists of 80 kW inverter and 200 kWh battery is connected to 3 x 22 kW EV chargers. Power generated during the day will be used to charge the 44 kWh batteries on-board the new Arrival's Generation Electric Vehicles from UPS- a new category of electric vehicles that surpass traditional vehicles in cost, design and efficiency with 50% operational cost savings for fleet owners.

Thanks to xelectrix energy management system (EMS), the charging behavior is fully controlled without any need of external systems leading to more efficient, cost saving and self-sustain charging stations.

The Austrian Chamber of Commerce has summarized all Austrian participants at EXPO Dubai 2020 in the "**Walk of Fame**" project shown at the Austrian Pavilion.

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xelectrix Power GmbH

Austrian based xelectrix Power GmbH is an internationally operating company specialized in energy storage, optimization and control. The product range developed by xelectrix Power today provides energy storage solutions for both on- and off-grid applications, which are easy to install as a complete system (Plug & Play) and provide solutions for a variety of industries, including renewable energies, e-mobility, energy suppliers, network operators, industrial and residential industries and the construction industry.

The brothers Dominik and Alexander Hartl recognized early that energy storage is a key technology necessary for a successful energy transition and in 2016 xelectrix Power GmbH was founded. Before that, the Hartl family had made an international name for themselves over eight decades through innovative developments, production and worldwide sales of construction machinery, especially mobile screening and crushing plants. The rapid change in the energy industry, visionary thinking and, above all, the fact that diesel generators on construction sites are not only operated inefficiently and have high emissions, but are also a significant cost factor, motivated the two brothers to devote themselves to the development and innovation of new types of energy storage solutions.

i-kWh Intelligent Energy Solutions

i-kWh is part of the Qi-energy group of companies as a dedicated to providing design consultancy and supply for renewable clean energy projects. i-kWh has proven itself to being a trusted partner to the global clean energy industry and is the leading intelligent energy solutions and consultancy provider to the renewable energy industry. Solutions and services include: Design Consultancy for Solar, Hybrid and Off-Grid power projects Supply chain for hybrid and off-grid projects, Energy Management Systems, SCADA, Monitoring and Control Systems, Telecom Power Infrastructure, Short and Long term financing for Hybrid and Off-grid projects.

<https://i-kwh.com/>

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