

Newsletter

August 2022

Inside This Issue

- 1 **Message from the President**
- 2 **Technological papers**
- 3 **Upcoming Initiatives**

Title

*Solar Energy, 24 hours,
even in winter. On or
off-grid. Based on
Hydrogen Technology*

Duration

April 2020 – December 2022

Main objectives

Manufacturing and
Commercialisation of Solenco
Powerbox

Dear Reader

We are pleased to present you the fourteenth Solenco Power Newsletter from August 2022.

With the project's Newsletter you receive the latest information about the European Project SOLENCO and its main objective "The Solenco Powerbox", Manufacturing and Commercial roll-out.

Further, we will keep you up to date about the Project Activities and initiatives related to Solenco.

In the fourteenth issue of Solenco Power's Newsletter, we will share more details about our technical publications.

For more information and news about Solenco, please visit our website:

<https://www.solencopower.com/>

We hope you will enjoy reading this fourteenth issue.

Your feedback and comments are always welcome!

Message from the President



We are proud to share an update with regards to the technological papers we created for our conference activities.

Over the year 2022, Solenco will participate in at least 4 scientific conferences.

This accomplishment is proof of our commitment to share information with the scientific community, and build bridges between research and industry.



Technological papers

Herewith we present a summary of the publications highlighting their content:

“Our goal is to provide each and every single real estate with a green and affordable solution allowing to minimize gas and electricity bills of their users, while driving sustainable world electrification by the mass uptake of wind and solar PV.”

Dr. Hugo Vandenberghe
Founder & CEO

Solenco Power – Conferences 2022

Solenco Power: Renewable Energy storage as a service
International Symposium Energy Management and Sustainability 2022
April 06-08, 2022 | Geel, Belgium / Istanbul, Turkey

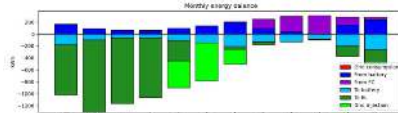


Figure - Solenco's zero on the meter model

Solenco Powerbox: sustainable world's electrification by the mass uptake of wind and solar PV
European Hydrogen Energy Conference 2022.
May 18-20, 2022 | Madrid, Spain

#	Input	Process	Output
1	Top on the meter electricity	Storage conversion	Electricity on the meter
2	Electricity 230V AC 50Hz / 50Hz	Power Factor	Electricity 230V AC 50Hz
3	Electricity 230V AC 50Hz	Electric load	Hydrogen H ₂
4	Electricity 230V AC 50Hz	Electric load	Hydrogen H ₂
5	Electricity 230V AC 50Hz	Electric load	Hydrogen H ₂
6	Hydrogen H ₂	Power Factor	Hydrogen H ₂
7	Hydrogen H ₂	Power Factor	Hydrogen H ₂
8	Hydrogen H ₂	Power Factor	Hydrogen H ₂
9	Hydrogen H ₂	Power Factor	Hydrogen H ₂
10	Hydrogen H ₂	Power Factor	Hydrogen H ₂
11	Hydrogen H ₂	Power Factor	Hydrogen H ₂
12	Hydrogen H ₂	Power Factor	Hydrogen H ₂

Figure - Solenco Powerbox - Conversions

Solenco Power: Hydrogen for the decarbonization of the energy sector
WHEC 2022 - World Hydrogen Energy Conference
June 26-30, 2022 | Istanbul, Turkey




Figure - Solenco Powerbox – Solar PV interaction

Solenco Power: Hydrogen storage for AC and DC networks
8th World Conference on Photovoltaic Energy Conversion
September 26 - 30 September 2022 | Milano Convention Centre, Milan, Italy




Figure - Solenco Powerbox – Electrical topology

The findings shared in our publications remain a key element for the maturity and further development of Solenco's solutions.

Upcoming Initiatives

In the next Newsletter we will share with you more details regarding our activities in Germany.



The Solenco Project is funded by the European Union's Horizon 2020 research and innovation programme under grant agreement N° 946442