

Newsletter

December 2022

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Title

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

Duration

April 2020 – June 2023

Main objectives

Manufacturing and
Commercialisation of Solenco
Powerbox

Dear Reader

We are pleased to present you the sixteenth Solenco Power Newsletter from December 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 sixteenth issue of Solenco Power's Newsletter, we introduce our new concept, the Powerhub. A modular hydrogen-based energy storage for community, commercial and industrial applications.

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

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

We hope you will enjoy reading this sixteenth issue.

Your feedback and comments are always welcome!

Message from the President



Today, we are pleased to introduce our Powerhub solution. The Powerhub targets installations with higher power requirements than the ones covered by the Powerbox.

Our Powerhub aims to adapt to the characteristics of the final installation via a modular topology. Electrolysis and fuel cell are decoupled to fit efficiently surplus and lacking energy periods of end users.

We are very thankful that the European Commission granted us an extension of 6 months for this project, so we can further develop and work on this new product type.



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

“A world based on a green and blue energy system, renewable energy and water, may not only be the dream of my grandchildren. It will be my gift for their future and everyone’s future”

**Dr. Hugo Vandenborre
Founder & CEO**

Powerhub

During Solenco's market exploration, a gap was found between the power scale of the Powerbox and the trending Megawatts projects for steel and fertilizing industries. Medium size installations for residential, commercial and industrial sectors are demanding long duration energy storage.

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



The scalability of the Powerhub will be capable of adapting to custom user topologies, based on its modular configuration. The power and energy of the Powerhub in function of i) renewable production, ii) user consumption and iii) required storage capacity. The Powerhub can be presented in a containerized solution. By offering these larger kW solutions, we can drill a new market. On top of that, the economy of scale helps us to offer these systems at a financially interesting price for our customers.



The success of the Powerhub is supported by the experience being gained by the Solenco team with its predecessor, the Powerbox. The fact that we now want to focus on the Powerhub-technology lead us to the request for an extension of our H2020-project, funded by the European Commission. We are glad to hear this request was approved and look forward to working further on this newly built market.

Upcoming Initiatives

In our next issue we will present to you the rebranding of our communication materials, in a style that matches better with our company values.



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