

## SUSTAINABLE INNOVATIONS, RESPONSIBLE FOR THE EXPLOITATION OF RECYCALYSE, A PROJECT TO DISRUPT THE ENERGY STORAGE MARKET

- THE EUROPEAN UNION'S HORIZON 2020 RESEARCH AND INNOVATION PROGRAMME HAS GRANTED SUSTAINABLE INNOVATIONS WITH €295,000 IN FUNDING OF A TOTAL AMOUNT OF €5.5 MILLION
- SUSTAINABLE INNOVATIONS HAS BEEN AWARDED THE WORK PACKAGE OF COMMUNICATION, DISSEMINATION, AND EXPLOITATION

Madrid, April 21<sup>st</sup>. SUSTAINABLE INNOVATIONS has been awarded by the European Union's Horizon 2020 programme with the communication, dissemination, and exploitation of RECYCALYSE, a project that will enhance the energy storage market through novel and recyclable catalytic materials made of abundant elements.

SUSTAINABLE INNOVATIONS, together with ten partners from seven European countries, will work for 36 months to overcome the main barriers that remain for proton exchange membrane electrolyser cells (PEMEC), namely high capital cost and use of critical raw materials, and to boost the economic competitiveness of the European Union (EU) energy storage production.

SUSTAINABLE INNOVATIONS' main responsibilities will be to work on the project's communication strategy (website development, brand guidelines, social media strategy, etc.), to coordinate RECYCALYSE dissemination and to carry out the market assessment, as well as the exploitation and business development plans.

"With RECYCALYSE we take a step forward in our capabilities in energy management, in this case in the area of materials for non-battery-based energy storage" highlighted Mr. Jesús Serrano, SUSTAINABLE INNOVATIONS Deputy General Manager. "We are glad to provide our expertise in exploitation and communication to a talented consortium".

The idea behind RECYCALYSE is to disrupt the energy storage market through the development and manufacture of highly active sustainable oxygen evolution (OER) catalysts, and through a recycling scheme for PEMEC catalysts, electrodes, and overall system. This technology will help to reduce or eliminate critical raw materials, thus decreasing CO<sub>2</sub> emissions and reducing costs.

Likewise, RECYCALYSE's innovations will contribute to reduce or avoid dependence on materials imports in Europe, by implementing the recovered elements in the newly developed catalysts, thus contributing to a circular economy.

In summary, RECYCALYSE will result in a substantial reduction in the elevated costs of energy storage, leading to an improved technical and economic competitiveness of EU energy storage production suitable to store a large amount of energy at reduced costs.

### **About RECYCALYSE**

Led by the Danish Technological Institute, RECYCALYSE is formed by Fraunhofer ICT, Sustainable Innovations, Vertech Group, TWI, Danish Power Systems, Technische Universität Bergakademie Freiberg (Institute for Nonferrous Metallurgy and Purest Materials), Bern University, Prüfref, HyCentA Research GmbH, and Accurec.

The project has received €5.5 million funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 861960. From its part, SUSTAINABLE INNOVATIONS has been granted €295,000.

***About SUSTAINABLE INNOVATIONS***

SUSTAINABLE INNOVATIONS is a Spanish consultancy company that provides innovative services to a wide range of sectors across Europe: bio-based industry, renewable energy, advanced materials, among others. The core competencies offered by SUSTAINABLE INNOVATIONS are structured in three main pillars which bridge the gap between ideas and market: Innovation Management, Market Uptake of Innovative Solutions, and Capacity Building. Our main value is the highly qualified and multi-cultural-disciplined talented team of engineers, environmentalists, communication experts, and business strategists that work with us.