

Demonstration of a Prototype Unit Producing Green Hydrogen, Heat and Alumina by Catalytic Water Decomposition With Recycled Aluminum Metals

by

Prof. Christodoulos N. Christodoulou

Co-owner of Hystore Tech Ltd

&

Professor, Department of Mechanical Engineering, Frederick University

Participants

Christina Ch. Christodoulou

Demetris Hadjipetrou

Kypros Demetriou

George Karagiorgis

Michalis Menikou

Acknowledgements:

The present project (COM-CONCEPT ENERGY/0624/0004/HY-CIRCULAR, "Greening Circular Economy by Innovative transformation of Reuse Recycled Aluminium into Green Hydrogen", Hystore Tech Ltd, April 1, 2025 to March 31, 2026) was funded by the Research and Innovation Foundation, under the «Commercial Proof of Concept - Energy» Programme and through the Recovery and Resilience Facility of the NextGenerationEU instrument