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HIGHLIGHTS



Breakthrough in green hydrogen production: Pressurized alkaline electrolysis with near-zero energy loss

The race for clean energy solutions is on, and hydrogen is a frontrunner. But current methods of hydrogen production often come with drawbacks, like high energy consumption. A new project, however, is aiming to revolutionize the game with advanced

Discover more!



HYPRAEL Project Forges Ahead: Challenges and progress on the road to high-pressure green hydrogen

HYPRAEL project, dedicated to developing advanced alkaline electrolysis technology for pressurized green hydrogen production, continues its exciting journey. While the path is paved with challenges, all partners remain dedicated to their designated tasks, pushing the project steadily forward.

Discover more!



HYPRAEL at the International Thermal Spray Conference (ITSC) 2024

The HYPRAEL project proudly participated in the recent International Thermal Spray Conference and Exposition (ITSC) held in Milan, Italy, from April 29th to May 1st, 2024. ITSC is a premier event for the thermal spraying community, attracting leading researchers and industry professionals from around the world.

Fraunhofer IWS, a key partner in the HYPRAEL project, presented its ongoing research and advancements related to Atmospheric Plasma Spraying (APS) technology for Solid Electrolyte Assemblies (SEAs) within the HYPRAEL project.

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Fraunhofer presented HYPRAEL at Hannover Messe 2024

Hydrogen & Fuel Cells was one of the topics and trends at the Hannover Messe 2024. At the Fraunhofer IWS and Fraunhofer IFAM booth at Hannover Messe 2024, research results of the institute were presented, including atmospheric plasma spraying (APS) coated SEA from the HYPRAEL project.

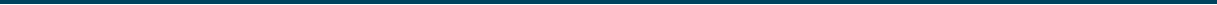
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HYPRAEL showcases advanced alkaline electrolysis at EHEC 2024: near-zero energy loss on the horizon

Vanesa Gil Hernández, ARAID researcher at Aragon Hydrogen Foundation (Head of R&D) as well as part of the coordinating team, during the Parallel Session 1: Alkaline Electrolyzers: Materials, Components & Stacks, had the opportunity to explain the objectives of the project and the impact it will have on cost and energy savings.

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HYPRAEL makes progress and plans ahead at Steering Committee Meeting

Beyond the formal meeting, the partners gained a firsthand look at Syensqo's facilities. This visit provided valuable insights into their expertise and contributions to the project.

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OUR MARKET SECTOR AND PARTNERS



Syensqo aims to advance clean energy solutions as a steering member of the Hydrogen Council

Syensqo renews the Hydrogen Council membership previously held under Solvay, reaffirming the company's commitment to playing a leading role in accelerating the energy transition

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Fraunhofer: 75 Years of Innovation

Today, the Fraunhofer-Gesellschaft looks back on a 75-year history full of groundbreaking inventions and solutions to complex technological challenges. Since it was first founded, the organization has continued to grow and evolve, reaching many milestones along the way that reflect its innovative strength across all the different fronts of cutting-edge research.

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Electrolysis takes center stage at the European Hydrogen Valleys 2024

Looking to explore the future of green hydrogen? This 5-6 September 2024, join Hydrogen Europe at the European Hydrogen Valleys in Riga, Latvia.

Electrolysis, a critical technology for hydrogen generation, will be a key topic of discussion. The event also features dedicated subtracks on storage and other crucial aspects of the hydrogen value chain.

Discover more!

Dry Coating Forum

Shaping the Future of
Dry Battery Electrode
Processing

September 10–11, 2024

Submit Abstract by June 30, 2024

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Our project partner Fraunhofer IWS is giving a Dry Coating Forum

Fraunhofer IWS remarks that "dry battery electrode coating is considered to contribute drastically towards greener and more efficient battery production". Discover more about this Battery Production and the challenges in DryCoating during the forum in Dresden, on September 10-11, 2024.



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