

What is battolyser systems?

Dutch climate and green hydrogen tech company Battolyser Systems, has secured EUR40 million (more than \$42 million) from the European Investment Bank to further develop its net zero solutions to help the EU achieve its Green Deal target before 2050. Battolyser Systems develops the world's first integrated battery electrolyzer system.

How can battolyser systems help the EU achieve its goals?

Battolyser Systems can be a major accelerator for the EU to reach its goals on climate, industry, strategic autonomy and economic growth. We enable greater strategic autonomy and resilience. We build manufacturing capacity of a critical net-zero technologies on European soil, with a European dominant supply chain.

What is battolyser doing in Rotterdam?

The company is currently constructing its first Megawatt system in the Port of Rotterdam, the hub of the Dutch hydrogen ecosystem. Concurrently, Battolyser Systems is developing a state-of-the-art manufacturing facility with an annual capacity of up to 1 GW of Battolyser units.

How is battolyser systems scaling up its operations?

Battolyser Systems is taking significant steps toward scaling up its operations. The company is currently constructing its first Megawatt system in the Port of Rotterdam, the hub of the Dutch hydrogen ecosystem.

What is the battolyser doing now?

The Battolyser is currently experimenting with demonstrators (TRL 6-7), and is working on increasing its scale to provide Megawatt capacities. To do so, they currently grow their team for which they see much interest even in the growingly competitive market. Contribution to the Energy transition?

Why should you choose battolyser?

Europe's Renewable Energy Directive (RED II) provides valuable credits for hydrogen produced from additional, local and time-correlated renewable sources. Battolyser's inherent flexibility allows you to follow any renewables load curves, comply with the strictest rules for temporal correlation, and produce 100% green hydrogen.

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Battolyser® is the world's first integrated battery electrolyser system. The patented technology produces a highly efficient electrolyser that can also store and supply power like a battery. The system has the flexibility to follow the most volatile power markets, is scalable and made from only abundant and recyclable materials.

We sat down with Mattijs Slee for an insightful interview regarding clean energy, and his company "Battolyser Systems", that strives to improve society through sustainably sourced hydrogen. The Battolyser Technology: From Concept to ...

Battolyser Systems, a Dutch electrolyser manufacturer, is at the forefront of the energy transition with their groundbreaking innovation: the Battolyser® that unlocks 100% renewable hydrogen. This breakthrough technology offers 100% flexibility, promising the lowest long-term energy costs for renewable hydrogen production.

Battolyser Systems" technology is a platform technology that due to its flexibility and battery capacity can enable lowest cost green hydrogen for a wide array of applications and use cases. Typically, Battolyser Systems can deliver solutions that add value in on and off-grid applications as well as in flexible and base load hydrogen offtake ...

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A Battolyser®; at its core, is an electrolyser with battery functionality powered by patented Battolyser® technology. With electrodes composed of iron and nickel, we provide a solution that operates 100% flexible and is intrinsically safe and robust.

The Battolyser provides a balancing power in the electricity market and converts surplus power into hydrogen. This creates a brilliant and unique business model for its clients, both big energy and chemical companies but also distributed, smaller parties in e.g. the distribution grid or agricultural sector.

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Battolyser®; can store and supply electricity as a battery. When fully charged it automatically starts splitting water into hydrogen and oxygen, acting as an electrolyser with an outstanding efficiency. Battolyser®; is extremely flexible and robust and can arbitrage between power ...

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