SOLAR PRO. Costa Rica battolyser system

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 pioneers a new category of dual-purpose energy storage solutions. With the Battolyser(R) - the most efficient electrolyser that lasts and can deal with intermittent power. Electricity storage, and hydrogen production is combined in one robust, flexible, and efficient patented system.

The Battolyser® system offers a unique advantage with its ability to seamlessly switch on and off to match intermittent renewable energy sources. This 100% flexibility reduces the cost of producing green hydrogen while helping to alleviate grid congestion.

Battolyser® is intrinsically safe in any operational mode, even at low and rapidly changing loads. Its patented Nickel-Iron technology is inherently robust and has industry leading efficiency and durability. Battolyser Systems can be a major accelerator for the EU to reach its goals on climate, industry, strategic autonomy and economic growth.

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 ...

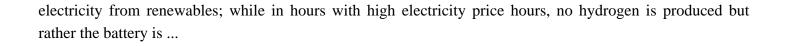
Battolyser® is the world"s first integrated battery electrolyser system. The patented technology produces a highly efficient electrolyser that can also store and supply power like a battery. The system has the flexibility to follow the most volatile power markets, is scalable and made from only abundant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

The Battolyser represents a paradigm shift in energy storage, merging the functionality of nickel-iron batteries with electrolysis to create a dual-purpose energy storage system. While still in the developmental stages, the Battolyser concept offers a promising solution to the challenges faced by traditional energy storage technologies.

Battolyser Systems, a Dutch cleantech startup established in 2021, has developed an innovative integrated battery and electrolyser system called the battolyser. This technology efficiently utilizes surplus renewable electricity by charging the battery component.

A Battolyser® offers a dual-purpose energy storage solution with a combined battery and electrolyser function that unlocks a complete new business model. This enables the use of only low-cost electricity or

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Web: https://www.gennergyps.co.za