

2.5MW Containerized Hydrogen Electrolyzer Contributes to Sustainable Development

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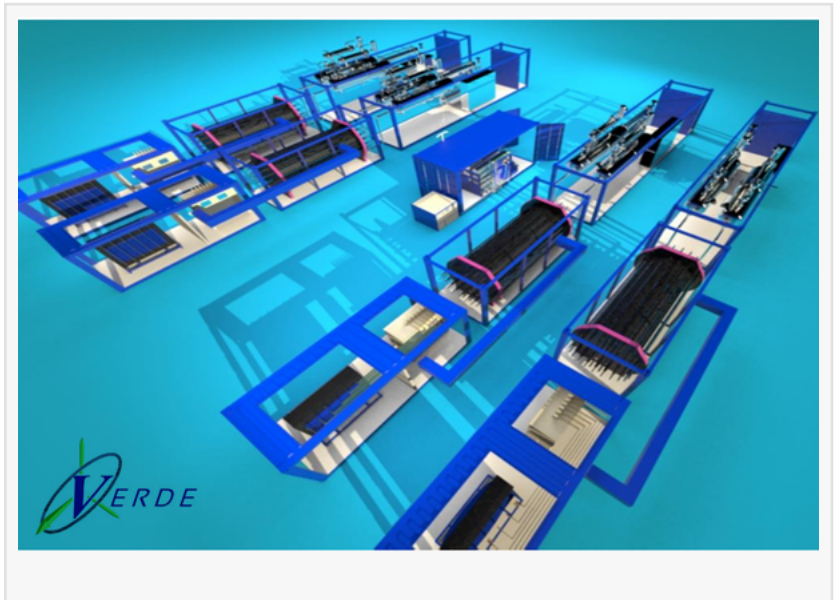
[/EINPresswire.com/](https://www.einpresswire.com/) -- In the context of global double carbon, countries attach great importance to hydrogen energy, and have made detailed industrial plans, which have been continuously promoted and updated. As the messenger of deep decarbonization, the hydrogen energy era is slowly coming to us.

The emergence of 2.5MW Containerized single-stack hydrogen production system from the Angstrom

Group has contributed to the development and popularization of green hydrogen. This system adopts advanced alkaline water electrolysis hydrogen production patented technology, the total footprint only occupies 2 of 40ft containers (1 40ft and 2 20ft), saving land resources, and the system can be modularized to 10MW/100MW or even larger module scales. The system comes with a 500Nm³/h hydrogen capacity, purity can reach 99.999% after purification, and the maximum output pressure is 1.6MPa. The entire system only takes about 2-3 weeks to be installed, which is 80% less than traditional hydrogen plants, much reducing the initial investment and labor cost. Moreover, the unique modular design with fully automatic control ensures lower energy consumption, optimized intelligence and integration, and higher safety factor compared with traditional hydrogen production equipment/system, also ensuring the products can work in a variety of harsh and unstable environments.

The successful development and production of the system is the result of the combination of the US leading both the technological progress and industrial development trend; it is also a breakthrough in promoting the development of the global hydrogen energy industry and sustainability.

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