

Dubai's Green Hydrogen Project Achieves Significant Milestone

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Dubai Electricity and Water Authority (DEWA) has announced a major milestone for its pioneering Green Hydrogen project. Since its inception, the project has successfully produced 90 tonnes of green hydrogen, making it a significant step towards a sustainable energy future for the region.

This innovative project harnesses the power of solar energy to produce hydrogen through electrolysis. With a current production capacity of 20 kilograms of hydrogen per hour and a storage capacity of 12 hours, the project is contributing to Dubai's clean energy goals.

By utilizing renewable energy sources, the project has generated over one gigawatt-hour (GWh) of green energy, preventing the emission of approximately 450 tonnes of carbon dioxide. This achievement aligns with the UAE's ambitious target of securing 25% of the global low-carbon hydrogen market.

DEWA's Green Hydrogen project is not only a testament to Dubai's commitment to sustainable energy but also a platform for future hydrogen applications across various sectors. The project's success reinforces Dubai's position as a global leader in renewable energy and sustainable development.

With the expansion of the solar park powering the project, DEWA aims to increase the production capacity to over 5,000 MW by 2030. This increased capacity is expected to further drive down the cost of green hydrogen production and make it more competitive.