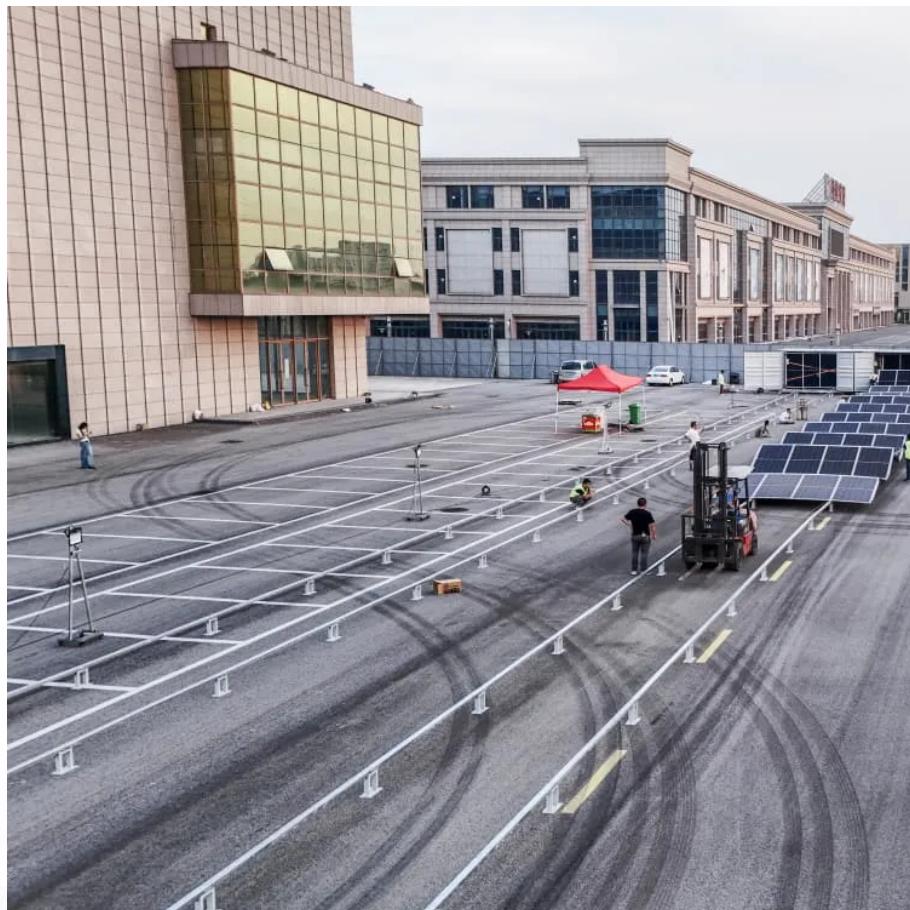


A-Core Container

Austria New Energy Storage Project



Overview

Developer NGEN Smart Grid Systems has completed a 10.3MW/20.6MWh standalone battery storage project in Austria, the largest in the country, it claimed. What is RAG Austria doing?

This means that RAG Austria AG, together with the project partners involved, has taken a significant step towards the commercial application of safe, seasonal and large-volume storage of renewable energy in the form of hydrogen in natural underground reservoirs.

Where is the world's first hydrogen storage facility located?

In 2023, the world's first hydrogen storage facility was opened in an underground sandstone gas reservoir as part of the flagship project Underground Sun Storage 2030 (USS 2030) in the municipality of Gampern, Upper Austria. The project operation, consisting of two storage cycles, has been successfully completed.

Where is solar energy stored?

In this unique cross-sector demonstration facility, solar energy is converted into green hydrogen by water electrolysis and stored in pure form in an underground natural gas reservoir in Gampern, Upper Austria. The scale of the storage corresponds to the summer surplus of about 1,000 photovoltaic systems on family homes.

Can We offer hydrogen storage services in depleted underground gas reservoirs?

The demo operation of hydrogen production and storage in the USS2030 project has been successfully completed, showing that it is technically possible to offer hydrogen storage services on a scaled and commercial basis in depleted underground gas reservoirs.

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Contact Us

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