

Can Rag energy storage facilities be used to store hydrogen?

“The existing and future RAG energy storage facilities in Austria are ideally suited for storing hydrogen. Climate-neutral and thus green hydrogen produced from sun and wind in Ukraine can then be used for seasonal structuring of the Austrian and European energy supply according to customer demand,” says Mitteregger.

Why should you choose Rag Austria?

We're making security of supply happen. Our storage facilities are the key to the energy future. Headquartered in Vienna, RAG Austria AG is the country's largest energy storage company, and one of Europe's leading storage facility operators.

How many pore storage facilities does Rag have?

RAG has developed and now operates a total of eleven pore storage facilities in Salzburg and Upper Austria. They include the Puchkirchen/Haag, Haidach, Haidach 5 and Aigelsbrunn facilities, the 7 Fields interconnected network, as well as the hydrogen storage facilities in Pilsbach and Rubensdorf.

Why is Rag regarded as a pioneer in hydrogen production & storage?

RAG is regarded as a pioneer in hydrogen production and storage thanks to its involvement in several research and demonstration projects, such as the water electrolysis plant in Pilsbach, Upper Austria, which has been in operation since 2015.

How much natural gas does Rag use?

With storage capacity of around 6.3 billion cubic metres of natural gas, the company operates about 6 % of total EU capacity. A large part of RAG's underground gas reservoirs have already been converted into storage facilities, which can rapidly discharge stored energy in large quantities on demand.

Who is Rag exploration & production?

With operations in Upper Austria and Salzburg, RAG Exploration & Production GmbH specialises in the efficient, environmentally friendly production of mineral oil and natural gas - both of these valuable raw materials are used for high-quality processing in Austrian industry - and plays its part in reducing dependence on imports.

A large part of RAG's underground gas reservoirs have already been converted into storage facilities, which can rapidly discharge stored energy in large quantities on demand. In this way, RAG is delivering on its vision of "sustainable energy mining" and decisively reinforcing security of supply in Austria and Central Europe.

“H2EU+Store” is an international industry partnership founded by RAG Austria AG to accelerate the market ramp-up of green hydrogen in Central Europe. The initiative is structured as an integrated project

by looking at the entire value chain (from production, transport and storage and including the consumer market) of the future hydrogen market.

Hydrogen from renewable energy will be produced in Ukraine and stored for seasonal demand in Central Europe in the future. The focus of the H2EU+Store project is ramping up and accelerating production of green hydrogen for use in Europe, as part of the climate-neutral energy future.

Large-volume storage of hydrogen enables energy transition while maintaining security of supply. With "Underground Sun Storage", the world's first hydrogen storage facility in an underground porous reservoir, RAG Austria AG - Renewables and Gas - and its project partners are setting new international standards.

Against this backdrop, the project will involve creating the required capacity for renewable energy and hydrogen production in Ukraine, as well as expanding storage capacity in Austria and Germany and making adaptations to gas transmission to Central Europe to allow for imports of significant volumes of hydrogen.

Zum RAG.Shortcut: „H2EU+Store“ „Wasserstoff ist unbestritten der Schlüssel zu einem sektorübergreifenden klimaneutralen Energiesystem. Mit dem Projekt „H2EU+Store“ leisten wir einen wesentlichen Beitrag zum notwendigen Ausbau der Wasserstoffnutzung in Europa.

In a phased step plan up to 2050, green hydrogen produced in Western Ukraine will be fed into the international gas transport network of Western Ukraine in dimensions significant for Europe and transported to the energy storage facilities of RAG Austria AG via the gas pipeline systems of Slovakia and Austria.

Founded in 1935, RAG is an Austrian energy company, active in E& P of oil and natural gas, transport and storage of natural gas and in the trading gas to its customers throughout Europe. It is also involved in geothermal and biogas energy projects.

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