

What is Underground Sun Storage?

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. Two years after the start of the project, the underground sun storage facility was opened on April 27, 2023.

How many underground storage systems does Ukrtransgaz have?

Ukrtransgaz operates 12 underground storage systems, made up of 10 depleted gas fields and two aquifers. Even though two of those former gas fields are currently under Russian occupation in the Luhansk region, there is still enough capacity to meet European storage needs.

Does Ukraine have a gas storage capacity?

With its domestic needs met, Ukraine has offered 10bn cubic metres of gas storage capacity to partners - roughly a third of its total volume. Storing gas in Ukraine offers European companies a hedge against future interferences to supply.

Why is Ukrtransgaz storing gas in Ukraine?

Storing gas in Ukraine offers European companies a hedge against future interferences to supply. In April 2023, Ukrtransgaz won certification as a European storage operator, allowing it to hold strategic gas reserves for EU member states.

What is the underground sun conversion project?

Building on the research conducted so far, for the first time the Underground Sun Conversion project will enable production of natural gas directly within a gas reservoir using a microbiological process initiated specifically for this purpose by RAG, and to store it in the same reservoir.

Does Russia's missile attack affect Ukraine's underground gas storage system?

When Russia launched a major missile attack on a Ukrainian gas storage facility in April it inadvertently highlighted the resilience of Ukraine's underground gas storage system, and bolstered claims by operator Ukrtransgaz that the war has little impact on its ability to inject and withdraw gas on behalf of domestic and international companies.

Underground Sun Storage: Final Report Public 13 - January 2020 Seite 7 von 172 2 Abridgment The „Publizierbare Endbericht" for the project Underground Sun Storage sums up the essential ...

In the lead project "Underground Sun Storage 2030" (USS 2030), the safe, seasonal and large-scale storage of renewable energy in the form of hydrogen in underground gas reservoirs is being developed. In addition, all partners ...

Underground Sun Storage - Wind- und Sonnenenergie unterirdisch speichern. Sonnenenergie gewinnen, speichern und bereitstellen: Diese zukunftsweisende Form der Energieproduktion und -speicherung testet die RAG derzeit in einem ...

Ukraine is playing a useful role in bolstering Europe's energy security, offering European companies alternative gas-storage options as EU storages approach full capacity, and as ...

Das erfolgreiche Forschungsprojekt „Underground Sun Storage“ zur Speicherung von Wind- und Sonnenenergie in natürlichen Erdgaslagerstätten wird fortgesetzt. Mit dem Folgeprojekt „Underground Sun Conversion“ soll es erstmals möglich ...

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