



Finland hygea energy

How does the hydrogen economy affect the Finnish energy system?

Together with competitive renewable electricity production, electricity and hydrogen transmission infrastructures enable the growth of the hydrogen economy and the achievement of climate goals. Fingrid and Gasgrid Finland investigated in their joint project the possibilities and effects of the hydrogen economy on the Finnish energy system.

How Gasgrid Finland and Fingrid contribute to Finland's hydrogen economy?

Gasgrid Finland and Fingrid continue their important cooperation to develop Finland's energy system and enable the growth of Finland's hydrogen economy. Link to the Final report below: [Energy transmission networks as enablers of the hydrogen economy and a clean energy system](#) Additional information:

What are Finland's goals regarding hydrogen?

In its resolution, the Government describes Finland's objectives regarding hydrogen and the measures to promote them. Finland's goal is to become the European leader in the hydrogen economy in the entire value chain. Finland has the capacity to produce at least ten per cent of the EU's emissions-free hydrogen in 2030.

Is hydrogen transport possible in Finland?

Concerning Finland, the two main near-term options for distribution of hydrogen appears to be gaseous hydrogen transport in tube trailers and dedicated hydrogen pipelines. However, hydrogen transmission in pipelines is meaningful only, if volumes are large, or some additional benefits can be gained.

Why is Finland a leader in the European hydrogen economy?

In addition to the significant potential of renewable electricity production, Finland has several factors that enable a leading position in the European hydrogen economy: a strong electricity grid, a skilled workforce, and several companies operating as part of the hydrogen economy value chains.

Why should we manufacture hydrogen & Electrofuels in Finland?

We want to manufacture hydrogen and electrofuels for the needs of the Finnish industry, transport and energy system, above all. Hydrogen also supports industrial renewal and the growth of exports with high value added," says Minister of Economic Affairs Mika Lintilä;

Overall, Finland is expected to see investments worth 70-110 billion euros in energy production and transmission by 2040, including 54-94 billion euros in hydrogen production, refining and transport, Sara Kärki from Gasgrid and H2 ...

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