



Storage of Wind Power

Chemical storage of wind power as methanol becomes profitable with increasing capacity. The methanol needs no reprocessing but is used as it is for heavy and light transport and the infrastructure is in place.

There are sensible applications for the heat released during the conversion. It greatly improves the overall efficiency.

CO₂ may be captured from other industrial processes and even direct from the air. This will allow centralized production and use of the electrolytic oxygen.

Hydrogen conversion acc. to "Experimental Investigation on CO₂ Methanation Process for Solar Energy Storage Compared to CO₂-Based Methanol Synthesis" by [Beatrice Castellani](#) and electrolysis efficiency 4,77 kWh/Nm³ H₂ acc. to [GreenHydrogen.dk](#).



Peugeot 107 City Car runs on 105 Octane M85 methanol made from Danish biogas. [Info sheet.](#)