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www.soletair.fi

SOLETAIR FUEL FROM THE AIR PILOT PLANT

SOLETAIR is the world's first pilot plant capable of producing hydrocarbons from the air by using solar power as the energy source.

The products can replace fossil resources in fuels, chemicals, materials and even medicine. The solution makes it possible to reach a carbon neutral future.

The raw materials, carbon dioxide and water, are separated from the air. Hydrogen is generated from water by means of electrolysis. Energy consumed in the electrolysis is supplied by a solar power plant. Finally, CO₂ and hydrogen are combined to form hydrocarbons in a synthesis reactor operating at high pressure and temperature.

Process overview

