moonriver:riga

LATVIA

In Riga, the capital of Latvia, carbon dioxide is to be captured from the flue gas of the district heating power plant on the same site, methanised with green hydrogen, and stored as synthetic natural gas in the operational natural underground storage facilities or fed into the natural gas grid.

On behalf of Trezors Ltd, movingpower GmbH is preparing a feasibility study for the moonriver.energy processes of green hydrogen production, direct carbon capture and methanation, including their conceptual design, process flow diagrams, energy and mass balances, plant layouts and determination of the plant and construction and operating costs.

HARVEST
200 MW photovoltaic plant
350 MW wind turbines
PRODUCE
100 MW AEL plant
producing 15.500 to green H_2/year
CAPTURE
amine gas treating
binding 85.656 to biogenic CO_2/year
MERGE

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methanation plant

producing 413,5 GWh green CH_4/year

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