

**MOON
RIVER**

**MOON[®]
RIVER** **RiGA**

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 H₂/year

CAPTURE

amine gas treating

binding 85.656 to biogenic CO₂/year

MERGE

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methanation plant
producing 413,5 GWh green CH₄/year

