

# MOON<sup>®</sup> RIVER RiGA

## POWER-TO-GAS, RIGA

### LATVIA

In Riga, the capital of Latvia, the carbon dioxide is to be separated from the exhaust air of the biomass cogeneration plant located at the same site, methanised with green hydrogen and stored as synthetic natural gas in the natural underground storage facility currently in operation or fed into the natural gas grid. The power-to-gas plant is designed according to the [moonriver.energy®](#) concept of movingpower GmbH.

On behalf of Trezors Ltd, [movingpower GmbH](#), together with convex ZT GmbH, is preparing a feasibility study for the processes of green hydrogen production, CO<sub>2</sub> capture from exhaust air and methanisation, including their conceptual design, process flow diagrams, energy and mass balances, plant layouts and determination of the plant and construction and operating costs.

**Location:**

Riga, Latvia

**Type:**

Integrated Power-to-Gas plant

**Production modules:**

Harvest, Produce, Capture, Merge

**Capacity:**

100 MW<sub>el</sub>