“EGG ENERGY” BIOMETHANE (RNG)

Based in Latvia, **Balticovo** is the largest producer of eggs in Northern Europe (900 million/year), with 70% of its products exported to 20+ countries. Over 3.5 million birds produce a significant amount of waste - chicken manure, which is converted into fertilizers and **Biogas**.

A **METHAGEN_AD** biogas upgrading system will enable Balticovo to produce RNG for multiple applications – Grid Injection, CNG and LNG.

This METHAGEN plant has an upgrading capacity of 2,000 Nm3/h (1,250 scfm) biogas, the largest in Latvia. A scheduled expansion to 3,000 Nm^3/h (1,850 scfm) in 2024 will enable Balticovo to become the largest RNG producer in the Baltics. Moving forward, the Bio CO_2 from the METHAGEN off gas will potentially be liquefied for Carbon Capture and Utilization (CCU).

METHAGEN systems are designed and built to reach the highest performance requirements in the biogas upgrading industry. Its new Vacuum-Pressure Swing Adsorption (VPSA) scheme reduces the CH_4 content of the tail-gas, increasing the methane recovery and meeting stringent CH_4 emission regulations.

By the end of 2024, **Sysadvance** will install several **METHAGEN** plants in Latvia and Lithuania, contributing to energy transition and strengthening of energy independence.





NORTH AMERICA sysadvance

PROJECT DATA

- Location: Iecava, Latvia (EU)
- Start of operation: Q4-2023

UNIQUENESS OF THE PROJECT

- Methane Recovery >99.5% with 98% CH_4 Purity (High BTU RNG)
- Low Energy Consumption 0.239 kW/Nm^3 (0.0068 kW/scf)
- Availability >97.5% (scheduled maintenance included)
- Highly competitive CAPEX & OPEX
- BioCO2 Capture for Liquefaction
- Quick indoor installation inside a new building

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