WISCONSIN DAIRY BIOMETHANE (RNG)

NORTH AMERICA
sysadvance

Project Overview

Wisconsin, USA is well known for its large cheese industry with the state having the third largest dairy industry in the U.S. Many of the farms are smaller than Idaho or California dairies.

The Sysadvance METHAGEN AD series of gas upgrading models are designed to match up with the digester projects seen on these types of dairy digester projects.

The developer who Sysadvance is working with has established a strong position in Wisconsin and over the next several months, Sysadvance will be providing PSA (pressure swing adsorption) gas upgrading systems for nine projects. As the developer signs more agreements for other dairymen in the area, they see the demand for more equipment continuing to grow.

The METHAGEN AD biogas upgrading system will be producing Renewable Natural Gas (biomethane) for direct grid injection into a pipeline system that demands high purity RNG with minimal amounts of inerts and contaminants. The METHAGEN AD system removes these inerts and contaminants on a consistent and controlled basis.

Going forward, and with a very clean CO2 waste gas stream, the client sees a future for CO2 as a product coming from these digester projects as they develop a market for CO2.

The METHAGEN AD series has models ranging in size from 100 scfm to 1,500 scfm; all with a turn-down of 50% without any loss of electrical efficiency.

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 and low energy demand allow the Sysadvance systems to offer the lowest life cycle cost across the market of gas upgrading technologies.

Project Data

- Location: Wisconsin, USA;
- Start of operation: Q2-2024.

Uniqueness of the Project

- Methane Recovery >99.5% with 98% CH_4 Purity (High BTU RNG);
- Low Energy Consumption 0.384 KW/inlet scfm;
- Availability >97.5% (programmed maintenance included);
- Highly competitive CAPEX & OPEX.

For More Information

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