

# University of Wisconsin Oshkosh, WI, USA

**patruus 370**  
Biogas

## Fast Facts:

**Location:** Oshkosh, WI, USA

**Generating Capacity:** 370 kW

**Configuration:** Container Module

**Extras:** Biogas Treatment System,  
Flare System



## About the Site:

This CHP cogeneration plant has been installed in Oshkosh, Wisconsin, supplying the University Campus with electricity and thermal energy. The University of Wisconsin Oshkosh decided to build their own dry fermentation anaerobic bio-digester. The first dry digester in the nation, converting food and yard waste into biogas.

## Application

This professionally designed 2G biogas CHP container module features an MAN® cogeneration gas engine fully integrated into the unique 2G biogas cogeneration technology package, especially developed for high efficiency biogas energy conversion. The plant generates enough electrical energy to serve approx. 8% of the university's power requirements, and the thermal energy is utilized to heat the digester, buildings, and some University Campus facilities. Excess power is sold to the grid.

2G Energy, Inc. also supplied the complete gas treatment, including cooler, dryer / dehumidification, and the H<sub>2</sub>S removal system. The customer decided to install the 2G Thermal Heat Distribution System including a Hydronic Junction.



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