

# MEETING INDEPENDENT POWER PRODUCER'S PEAK POWER NEEDS

A highly flexible, quick start, modular 5-unit solution is delivering 21 MW of reliable power

## Background

As an Independent Power Producer (IPP), IMG Energy Solutions develops, constructs, operates, and maintains distributed power generation assets that are located near pipeline gas production. It then sells the produced power into the PJM regional transmission organization—one of the world's largest competitive wholesale electricity markets. Its search to meet fast start, flexible power requirements with high efficiency, cost effective, lower EPC risk power solutions led IMG to INNIO Group's Jenbacher modular solution.

## A Compelling Power Solution

IMG's Wolf Run power plant in Wilmont Township in Bradford County, PA, consists of five modular 4.2 MW Jenbacher J624 integrated solution units powered with pipeline natural gas. INNIO Group's authorized Jenbacher distributor, NES-WES, supplied the Jenbacher technology, providing package engineering as well as field re-assembly, and commissioning support during the project installation and startup. The 21 MW project only required four months of onsite construction and commissioning activities. In addition, NES-WES continues to provide planned and maintenance support for the plant.



»The Jenbacher integrated solution design is a key contributor to cost and schedule surety. We installed fifteen integrated power modules on their foundations in less than ten days allowing us to quickly move to reassembly activities inside the packages ensuring inclement weather would not negatively affect our tight schedule. We were impressed with the speed and simplicity of the design and the support from the NES-WES team. We have since selected the highly efficient J624 technology on two additional projects, bringing our operational total to more than two dozen Jenbacher J624 engines.«

Mike Brady, CEO, IMG Energy Solutions

## Results

Commissioned and operational in mid-2019, the Wolf Run project allows IMG to capitalize on the wholesale market's need for fast start, flexible generation that not only responds to increasing intermittency driven by higher levels of renewable energy penetration, but also delivering resilient baseload power in times of elevated power demand. Additionally, the Jenbacher technology is capable of black start and island operation for added energy resilience.

This was IMG's first Jenbacher engine-based plant using modular engine packages. It was installed on schedule and on budget due in part to the predictable nature of the pre-engineered, pre-assembled, modular building blocks of the Jenbacher integrated solution.



## Key technical data

Installed Engines	5 x J624
Energy Source	Pipeline gas
Electrical Output	21.8 MW
Electrical Efficiency	44.7%
Year of Commissioning	2019



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## Customer benefits

The new Wolf Run plant is delivering substantial benefits to IMG, including:

- Excellent overall plant efficiency of 44.7%
- Low fuel consumption for reduced operating costs
- Flexible and integrated solution design for transportation and installation ease
- Startup to full load in less than 6 minutes
- Enhanced reliability, availability, and resilience
- Service team with fast response for spare parts and repairs as needed

INNIO is a leading energy solution and service provider that empowers industries and communities to make sustainable energy work today. With our product brands Jenbacher and Waukesha and our digital platform myPlant, we offer innovative solutions for the power generation and compression segments that help industries and communities generate and manage energy sustainably while navigating the fast-changing landscape of traditional and green energy sources. INNIO is individual in scope, but global in scale. With our flexible, scalable, and resilient energy solutions and services, we enable our customers to manage the energy transition along the energy value chain wherever they are in their transition journey.


INNIO is headquartered in Jenbach (Austria), with other primary operations in Waukesha (Wisconsin, U.S.) and Welland (Ontario, Canada). A team of more than 4,000 experts provides life-cycle support to the more than 55,000 delivered engines globally through a service network in more than 100 countries.

INNIO's improved ESG Risk Rating again secures the number one position across more than 500 companies globally in the machinery industry assessed by Sustainalytics.

For more information, visit the INNIO website at [www.innio.com](http://www.innio.com)

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