

Johnsonville, LLC
Sheboygan Falls, Wisconsin

Case Study

MANUFACTURING

AT A GLANCE

CUSTOMER

Johnsonville, LLC

LOCATION

Sheboygan Falls, Wisconsin

CHALLENGE

Providing emergency standby power capacity within a confined outdoor lot limit, while maintaining stringent electrical specifications

SOLUTIONS

- KOHLER® 600REOZVB, 277/480V, 60Hz generator
- KOHLER KCC-AMVA-0260S and KCC-AMVA-0150S closed-transition transfer switches
- KOHLER Sub-base fuel tank: UL Code 142 & state permitted/certified
- KOHLER Sound-attenuated, skin-tight enclosure

PRIMARY CHOICE FACTORS

Kohler product reputation for reliable standby power equipment and total integrated system solution

Total Energy System's relationship with the electrical contracting firm: Faith Technologies

*KOHLER generators meet NFPA 110 requirements for critical operations including supplying power within 10 seconds of an utility outage.



The Kohler 600REOZVB at the Johnsonville Headquarters in Sheboygan Falls, WI

BACKGROUND

Founded in 1945, Johnsonville, LLC is a privately held company located in Sheboygan Falls, Wisconsin. It produces one of the most popular brands of sausage in the United States. Its reputation for quality and “Big Taste” has led to a global following. It now enjoys a growing presence in 45 countries.

The popularity of Johnsonville’s products led to a corresponding need for extra resources and space. Consequently, Johnsonville expanded its corporate headquarters.

The headquarters addition was designed as a multiuse facility.

It included additional work spaces, conference rooms, a learning center a cafeteria and a fitness center.

To help protect Johnsonville’s IT infrastructure in its main data center and also provide backup power for its corporate expansion, Johnsonville turned to another venerable Wisconsin company for an emergency standby power solution: Kohler Company.

CHALLENGE

In addition to meeting a tight electrical specification, Kohler was challenged to provide the desired capacity within a small outdoor lot limit, i.e. power density.



The solution for Johnsonville, LLC includes the 600REOZVB, 277/480V, 60 Hz diesel-powered generator with integral sub-base fuel tank. The solution also includes two closed-transition transfer switches, KCC-AMVA-0260S and KCC-AMVA-0150S, and a sound-attenuated, skin-tight enclosure with an automotive-grade finish to resist the elements. Kohler Power Systems has delivered energy solutions for markets worldwide since 1920. For more information, visit KohlerPower.com.

IMPLEMENTATION

As with most complex projects, there are always additional factors that play into the choice of solutions. One of these factors was reputation and experience. Accordingly, the electrical portion of the bid was awarded to Faith Technologies, located in Menasha, Wisconsin. Authorized Kohler distributor Total Energy Systems served as the supplier.

Total Energy Systems has a reputation for strong customer service and engineering expertise. It determined that the Kohler genset, transfer switches and related components would meet the spec and provide reliable emergency standby power. Kohler's reputation for quality, product depth and a long history of innovation and experience made it a preferred choice.

SOLUTION

Of the various solutions Kohler could provide, Total Energy Systems chose the 600REOZVB, 277/480V, 60 Hz generator. The diesel-powered unit delivers a 600 kW standby rating and features a brushless, permanent-magnet alternator for superior short-circuit capability. It also features a sub-base fuel tank that meets UL Code 142. The tank is state permitted and certified. The on-board tank option offers a number of benefits including reduced installation costs and time. Alternative fuel supply options, like underground tanks, have more complex and time-consuming installation needs which are eliminated by the KOHLER tank design.

To help minimize noise, the generator was equipped with a sound-attenuated, skin-tight enclosure. It features multiple doors and panels to facilitate easy access for service. An automotive-grade finish provides advanced corrosion protection.

The solution also features two transfer switches to provide fast, automatic transitions. The closed-transition switches include the KCC-AMVA-0260S and KCC-AMVA-0150S respectively.

The backup power solution is fully integrated. All components and systems were designed and engineered by Kohler to work together in harmony, providing a more efficient and reliable solution. Further, all service can be done under the auspices of a single supplier.

RESULTS

The KOHLER® 600REOZVB has never failed to start during several utility outages. Johnsonville has been very pleased with the solution.

“This project was a great example of a strong relationship between a prominent electrical contractor and a distributor to provide the perfect solution for a high-profile client,” said Chris Howard, Generator Systems Specialist at Total Energy Systems. “The KOHLER 600REOZVB not only provided the emergency standby capacity required by Johnsonville, but it will also provide extra capacity for additional needs in the future.” ■