



Simonds International

- **FUEL TYPE** Natural Gas
- **APPLICATION** Manufacturing
- **KW PRODUCTION** 3X600
- **LOCATION** Fitchburg, MA, USA



About This Project

This CHP operation in Fitchburg, Massachusetts is a perfect example of innovated engineering. After extensively looking at and evaluating all options on how a large CHP plant could be integrated into an existing building, this customer (a manufacturer of saw blades) and his team of engineers concluded that selecting the fully containerized option was the most cost effective approach with the lowest technical risk. This project is quite complex and includes equipment with many different options selected by the customer. The cogeneration plant consists of 3 x 2G avus® 600ekW NG Fully Containerized CHP modules. In addition to the CHP system, three fully integrated SCR systems are part of the package to control and to reduce emissions, and to meet strict local air district limits. BACT (Best Available Control Technology) and the fully integrated SCR system are an excellent fit for this project, and 2G Energy can provide a variety of ultra-low emission technology solutions if customers have to meet ambitious local air district limits over and above standard EPA limits. This customer is paralleling with the utility grid while producing his own electricity on site to reduce peak electrical demand. By operating 24/7 the cost savings in electricity cost are substantial, helping to achieve a very fast ROI. In addition to the electricity being produced, the customer is utilizing all the thermal energy provided by the CHP system, feeding a large absorption chiller which provides the facility with cooling through the summer months and heating in the winter.

Additional Details

- **TOTAL ELECTRICAL POWER**
1800kW
- **MODULE**
3x avus 600
- **EXTRAS**
SCR System, Island Mode Capability
- **CONFIGURATION**
Container Module

