



Nordgetreide

- **FUEL TYPE** Natural Gas
- **APPLICATION** Food Industry
- **KW PRODUCTION** 835
- **LOCATION** Falkenhagen, Germany



About This Project

2G CHP covers energy needs of entire production facility

Cereals are known to be a great in supplier of energy to our muscles. But, to turn grains into crispy flakes it not only takes a lot of know-how, but one thing in particular: energy. The German cereal producer “Nordgetreide,” now produces their own sustainable electricity and heat onsite.

Sustainable Energy-Management

Nordgetreide GmbH & Co. KG is a long-standing company with 400 employees that produces highest quality breakfast cereals for leading companies in the German food industry. In its location in Falkenhagen, a small town about 45 miles west of Berlin, the company recently installed a 2G avus 800 cogeneration system. With an electrical output, rated at 835 kW, the CHP from 2G’s avus series, covers almost the entire electrical demand of the production facility. When running in full load, the system produces enough electrical energy to supply about 1230 four-person households with a year’s worth of electricity. The recovered thermal energy is used to generate 1322 pounds of steam per hour that is utilized in the manufacturing process. The avus recovers 3,364,372 BTU/hr of heat. That way Nordgetreide was able to save expenses for an additional boiler to prepare hot water.

CHP with steam generator on-top

One specialty about this project that needs to be highlighted is the installation of this unit. To reach highest sound attenuation, the avus is housed in a concrete enclosure. The steam generator is packaged in a container that is installed on top of the concrete enclosure. Installing it this way not only saved space and time, it also eliminated the need to build a separate machine house.

Additional Details

- **TOTAL ELECTRICAL POWER**
835kW
- **MODULE**
avus 800a
- **EXTRAS**
Concrete Enclosure, Steam Generation
- **CONFIGURATION**
Container Module

