

# TEDOM COGENERATION UNITS IN INDUSTRY

Industry facilities are suitable for the installation of CHP units. These facilities consume a lot of energy and, at the same time, there are many ways they can consume heat. In addition, they can utilize waste heat in absorption chillers when the simultaneous cooling is required.

## J&G FOODS MEET FACTORY, SUTTON / MASSACHUSETTS, USA



The TEDOM CHP unit of 148 kW electric power and 225 kW heat capacity has been installed in the food processing company. Company is utilizing heat from the engine and heat from the exhaust gases is supplied to the absorption chiller that produces cooling.

CHP unit works in parallel to the grid and the surplus energy is being sold to the local utility company.

### Basic Information on the Installed Unit

CHP unit type	Cento T150 SP
Number of units	1
Fuel	Natural gas
Electrical output	148 kW
Heat output	225 kW
Year of installation	2015
Place of installation	Sutton / Massachusetts, USA
Investor	J&G Foods, Inc.

### Benefits of TEDOM cogeneration unit

Combined heat and power production enabled meat processing company to produce own heat, cold and electricity for its industrial processes.

#### Main benefits:

- Savings for the power purchased from the grid and benefits for the delivery of the surplus to the grid
- Savings on the produced heat and cold
- Optional utilization in the island operation mode in case of grid failure

# SELECTED REFERENCES FROM INDUSTRY



## **PÖTTINGER Machinery Grieskirchen, A**

CHP unit type: 2x Micro T30 AP BIO  
Electrical output: 60 kW  
Year of installation: 2012



## **Chemosvit Fibers & Foils, Svit, Slovakia**

CHP unit type: 6x Quanto D2000 SP  
Electrical output: 12,000 kW  
Year of installation: 2010–2012



## **Svijany Brewery, Svijany, Czech Republic**

CHP unit type: 2x Cento T120 SP BIO  
Electrical output: 240 kW  
Year of installation: 2010



## **Sugar Factory Drochia, Moldova**

CHP unit type: 2x Quanto D1200 SP BIO CON  
Electrical output: 2,400 kW  
Year of installation: 2013

## Other references:

- ŠKODA Auto – car industry, Vrchlabí, Czech Republic – Quanto D2000 SP, 2013
- DELTACOL CZ – galvanic plating, Litovel, Czech Republic – Cento T120 SP (2x), 2009
- Hurbanovo Brewery, Hurbanovo, Slovakia – Cento T160 SP BIO (2x), 2009
- ALITA AB – distillery, Alytus, Lithuania – Cento T150 SP (3x), 2010
- Nutrix Piu – animal feed production, Castelraimondo, Italy – Cento T160 SPEM CON (2x), 2011
- Chocolat Frey AG – chocolate factory, Aarau, Switzerland – Micro T30 AP, 2012
- Handtmann GmbH – machinery, Biberach, Germany – Micro T30 AP, 2012
- FOSFA – production of fertilizers, phosphates, Břeclav, Czech Republic – Cento T180 SP CON (3x), 2010–2013
- HB Beton – precast concrete manufacturing, Horní Žďár, Czech Republic – Micro T30 AP (2x), 2014