DTC

ENERGÍA LIMPIA Y CONFIABLE

Cogeneration Experts

Energetic Solutions

About us

We are a Mexican company since 2006, we are The **Number 1 Master Distributors Capstone Green Energy Corporation.**

We focus on helping our customers in control of their energy costs , so they can drastically reduce them with the installation of microturbines.

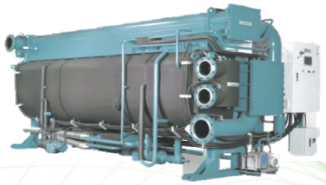
At DTC we´re committed to our clients by offering them turnkey projects that archive savings of more than 50% of their current energy consuption and return on investmet of below 3 years, helping them lowe their operative costs and increase their profits wich also translate into competitiveness and profit for their inverstors.

Capstone Green Energy Corporation

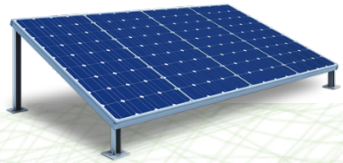
- Capstone Green Energy Corporation is the world leader and the only manufacturer of turbine energy systems with “oil-free” technology.
- Capstone’s technology allows to develop unique cogeneration systems for combined heat and power production with provide low maintenance, minimum emissions and a significant reduction of energy consumption, reaching an overall efficiency up to 95%.
- Factory located in California, United States in 1988.
- Capstone has to its credit over than 100 patents and more than 9,000 installations in over 85 countries around the world.
- Extensive product line, scalable systems from 65 KW to 10 MW with a wide variety of gaseous or liquid fuels.

We offer these energetic solutions

- Cogeneration

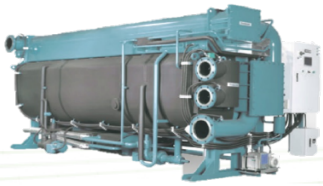


- Solar



- Energy savings

- Residual heat



Saves with cogeneration

- Cogeneration – Immediate tax deduction.
- On-site generation – Energy Efficiency and Critical Power Supply.
- Uninterruptible power source with the world-s only microturbine powered UPS solution.
- Efficiency up to 95% in energy use.
- Zero cost in producing chilled water, steam, hot water and hot air generation.
- Maintenance-free technology – no oil, no refrigerant, no lubricant.
- Increases utility and profitability of our clients.

Cogeneration

EPower generation
400 – 480 VAC

Thermomagnetic
Switches

Electric energy

Natural gas

Capstone
Microturbine

Hot Air 290 °C

3-way valve

Exhaust gases hot air
available for heating water and drying

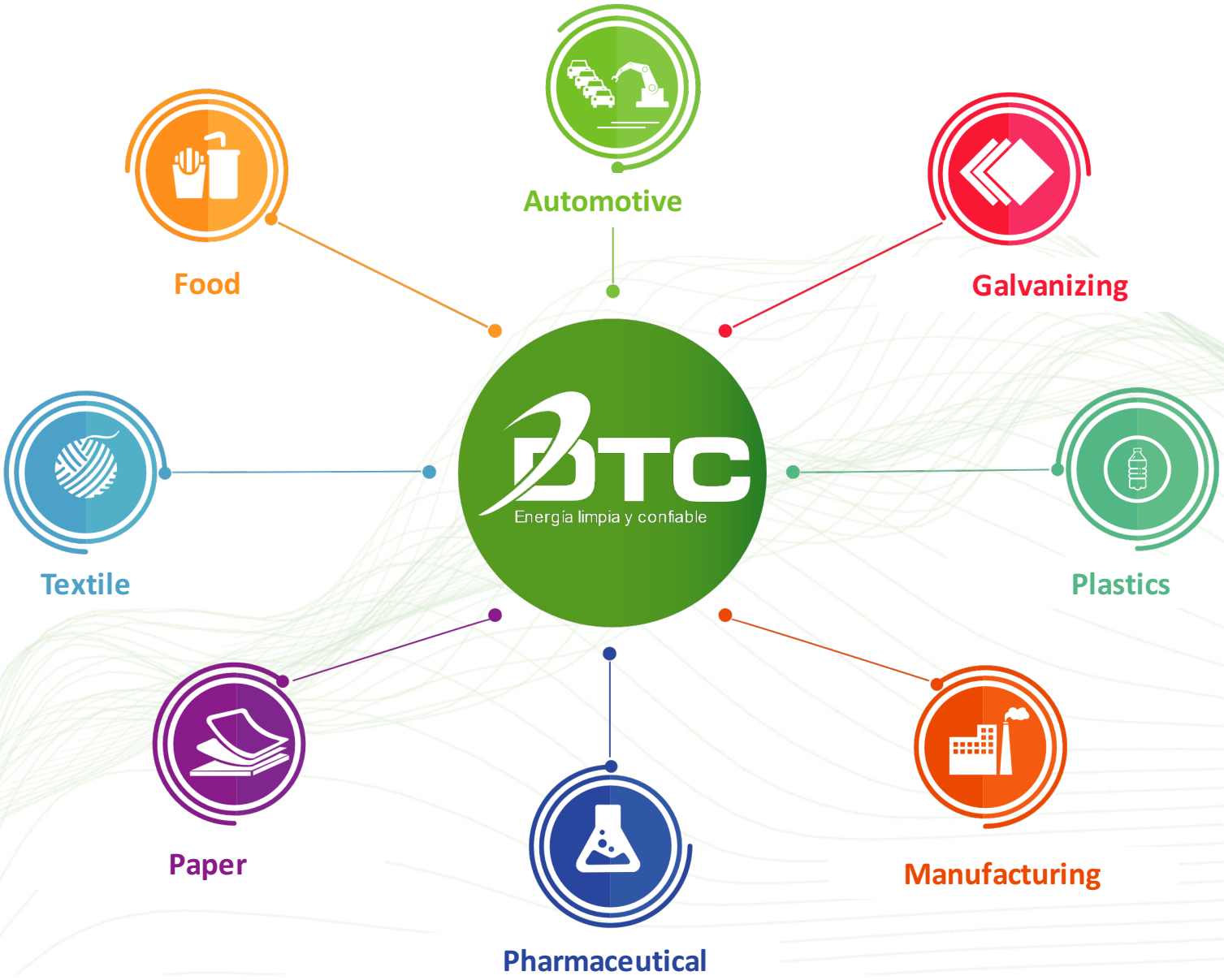
TR from 4°C

DTC Absortion Chiller:
Chilled Water

Exhaust gases hot air
available for heating water and dryi

Heat exchanger :
Hot Water
Steam
Thermal Oil

These Industries can save more than 50%



¿ WHO ARE CAN COGENERATE?

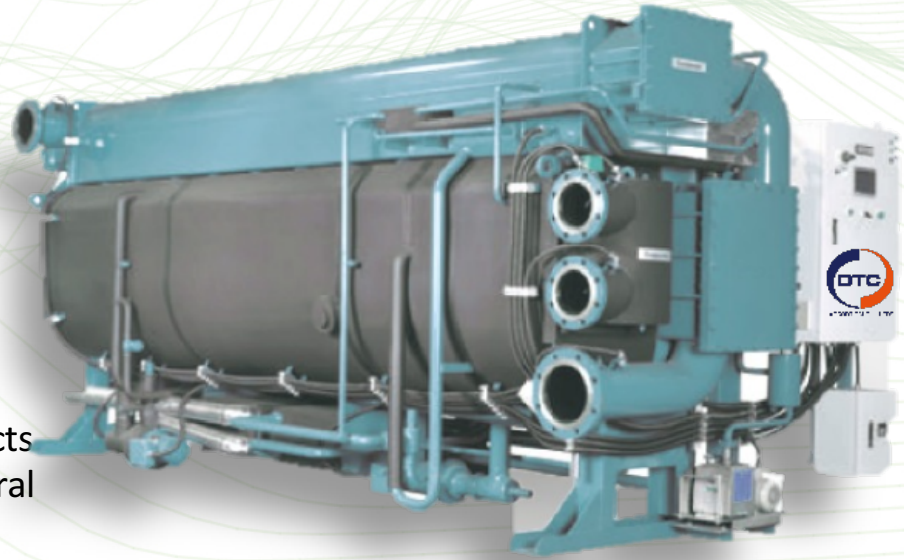
- **Work 24/7 or 24/6**
- **Use thermal processes for the use of exhaust gases in other processes**
- **Minimum electricity billing of $ 3,750 USD**
- **Acces to:**
  - Natural gas
  - Bio gas

Chilled water generation "Absorption Chiller"

Equipment features

- High efficiency
- Ability to work at partial loads
- Low electrical consumption (6KW per 400TR)
- Independent circuit from the process circuit
- Tailor-made for our client's needs.
- Non-polluting and toxic substance (Lithium bromide)
- Silent.
- Simple procedure for maintenance.
- It doesn't generate vibrations

ABSORTION CHILLERS



DTC´s Advantages

- Solid experience in chilled water cogeneration projects with absorption Chillers throughout Mexico and Central America.
- More than 15 years of experience.
- Remote monitoring and technical support.

Generating hot water or steam "Heat Exchanger"

Equipment Features

- Competitive Initial Investment
- Designed for easy maintenance
- High percentage efficiency of thermal utilization
- Multiple applications:

-Hot water

-Thermal oil

-Steam

- Compact and simple
- Easy-to-use equipment

DTC´s Advantages

- Alfa Laval Authorized Distributors
- Leading manufacturer of heat exchanger equipment worldwide
- Manufacturer-certified technicians
- Great experience in projects developed in Mexico and Central America

46.5 MW Installed and Operating

46.5 KWH

Our microturbines have guaranteed and recorded thousands of hours of reliable operation:

12MW
Hot air

10MW
Steam and hot water

14MW
With absortion chiller

10MW
Free energy

0.5MW
Biogas

C65 C200 C600 C800 C1000

Business schemes

Purchase

Financing leasing

Equipment rental

PPA

Our customers

Our Experience

100 Proyects

500 Operating microturbines

With more than 11 years developing and operating projects in several countries

Case study

Location:
Guadalajara, Jalisco

Installed:
July 2019

Fuel:
Natural gas

Application:
Chilled water

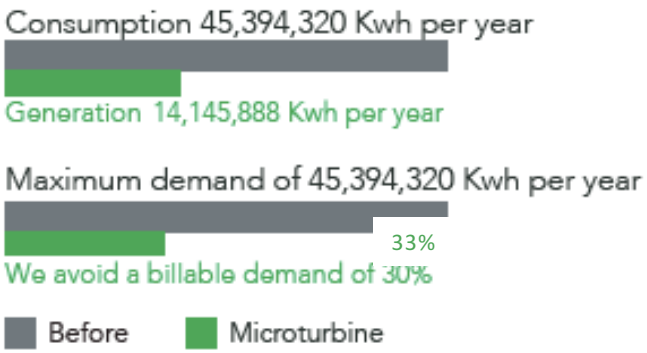
Market segment:
Food Industry

Technologies:
2 C1000 Capstone Microturbines
695 TR Absorption chillers

Production:
14,145,888 kwh per year

Results:
Consumption savings

Food Industry and DTC Ecoenergy come together looking for a solution for the power supply system electricity, which in addition to helping you reduce costs, it's aligned with your concept and vision. Based on the data provided by the company average energy consumption we was off 5,182 Kwh, so we proposed the instalation of 2 Capstone C1000 turbines, to cover 47% of their electric consumption and 33% of their billable demand and generating 695 TR.



Case study

Location:
Tlaquepaque, Jalisco

Installed:
November 2018

Fuel:
Natural gas

Application:
Hot air

Market segment:
Plastic industry

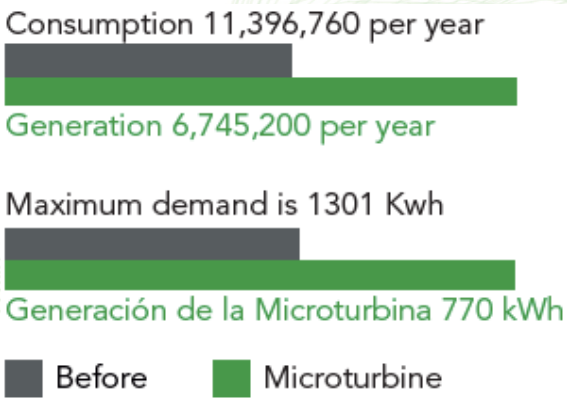
Technology:
1 Microturbines Capstone C1000

Electric generation:
6,745,200 Kw per Year

Results:
Energy Consumption savings 62%

Plastic Industry and DTC Ecoenergia worked together in order to find a solution for their electric power system, that would help them reduce their electric expenses, which is aligned to its concept and sustainability vision.

According to the data provided by the company, our analysis showed us that the average energy consumption is 1,301 KW, so the facility required the installation of 1 Capstone C1000 microturbines.



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Thanks for your attention

www.dtc.mx

MATRIZ

SALES MANGER
Karen López
+52 33 1132 6228
karen.lopez@dtc.mx

Northwest

DTC
Alvaro Lopez Castelo
+52 66 2244 7590
alvaro.lopez@dtc.mx

Center zone

DTC
Vianey Estrada
+52 44 2378 9768
vianey.estrada@dtc.m

Southeast

DTC
Ivonne Briones
+52 81 1821 2357
ivonne.briones@dtc.mx

Northeast

DTC
Jose Luis Burges
+52 8110 2209 52
jose.burges@dtc.mx

West

DTC
Noemí Rios
+52 33 1184 6088
karen.rios@dtc.mx

Puebla city

DTC
Karen López
+52 33 1132 6228
karen.lopez@dtc.mx

América central

DTC
Manuel Peña Revelo
+503 7180 4594
manuel.pena@dtc-lat.com

Oil & Gas

DTC
Jose Luis Briones
+52 8118 2123 56
jose.briones@dtc.mx