



12 MWe COMBINED HEAT AND POWER PLANT PLANT RENOVATION

OWNER

Societe De Cogeneration Picardie Socopic

OPERATOR

Dalkia Groupe EDF

LOCATION

Amiens, France

PRODUCT

Mars 100 Gas Turbine

CUSTOMER VALUE

**Improved Energy Efficiency
Quick Pay Back on Investment**

Societe De Cogeneration Picardie Socopic (SO.CO.PIC) is a producer and distributor of steam and air conditioning. SO.CO.PIC was searching for the right solution to renovating their old and oversized 40 MWe combined heat and power plant (CHP). Due to the French government's strategies and policies to promote sustainable energy and medium scale CHP, SO.CO.PIC decided to replace the aged gas turbine in the cogeneration plant. The replacement would leverage new incentives, while maintaining the same steam production capabilities (25 t/h to 110 t/h). SO.CO.PIC called on Solar Turbines to design the solution. Solar integrated a smaller capacity Mars® 100 gas turbine into the old steam production plant, solving any technical challenges with their best available technology.

Solar Turbines

A Caterpillar Company

12 MWe Gas Turbine Combined Heat and Power Plant



PLANT DATA

Mars 100 Gas Turbine

Existing Heat Recovery Steam Generator

Flexible Post-Firing System

Installation of new radial exit Gas Turbine into old axial layout



OUR PRODUCTS & SERVICES

Gas Turbine Package and Auxiliaries

Plant Integration

Installation and Commissioning

Long Term Service Agreement

EMISSIONS REDUCTION

EFFICIENCY INCREASE

FAST TRACK PROJECT

**SEAMLESS PLANT
INTEGRATION**

The Mars industrial gas turbine was integrated into the existing plant and the new cogeneration facility has reduced overall energy consumption and increased efficiency. Whether your project concerns replacement of conventional steam production or replacing existing aged CHP plants, Solar Turbines extensive experience in plant engineering and support services allows our customers to extend the life of their plants while reducing their environmental footprint and increasing overall plant efficiency.

To find out how a gas turbine solution from Solar can improve the profitability of your plant operations, give us a call or visit us at www.solarturbines.com/chp.

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