

Continued Success For OPRA in China - Distributed Energy Station Project For Jinan Linuo Park

Industrial & Commercial

At A Glance

Application:
Industrial Steam, Heating & Power

Output:
Electricity: 3700 kW
Steam: 12 tons/h

Benefits:
Coal Use Reduction: 15,000 tons per year
Overall Efficiency: 80%
CO₂ Emission Reduction: 10,600 tons per year
Sulfur Dioxide Reduction: 320 tons per year



SUCCESS STORY



Installation:
2 X OP16-3B
January 2019

Location:
Linuo Park, Jinan, Shandong Province, China

Customer:
Shandong Energas New Energy Co. Ltd

The Challenge

Jinan Linuo Technology Park power plant required a solution that would provide steam, heating and power for the park's own use especially during the peak season of energy usage. It was also important that the solution chosen made efficient use of energy while reducing the park's emissions.

The Results

By implementing this solution Linuo Park have reduced their coal intake by 15,000 tons per year, resulting in a reduction of CO₂ emissions by 10,600 tons, and a decrease in both sulfur dioxide and nitrogen oxides by 320 tons and 160 tons per year. With the successful completion of the Linuo project, OPRA continue to exert its strength in the field of distributed energy and contribution to the cause of energy conservation and emission reduction in China.

The Solution

The distributed energy project of Jinan Linuo Technology Park uses two 1.8MW OP16-3B Gas Turbines and is equipped with a heat recovery steam generator to provide industrial steam, heating and partial power for the park. Each OP16-3B Gas Turbine unit produces 1850 kW electricity and 6 tons/h of steam. The units run connected to the electric power grid and steam grid. Together with Energas, OPRA engineers successfully completed the commissioning in record time making this project another fine example of OPRA's success in China.

Receiving strong support from the local power sector and attracting widespread attention from domestic distributed energy users, this grid-connected power generation solution successfully provides the owners with reliable and powerful energy making them independent of peak electricity prices.

5,000
tons

Coal Use
Reduction per year

80%

Energy
Utilization

10,600
tons

CO₂ Emission
Reduction per year

320
tons

Sulfur Dioxide
Reduction per year

Get in Touch With Us

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