



Successful Distributed Energy Solution In China

Industrial & Commercial

At A Glance

Installation:
2 X OP16-3B

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

Location: Linuo Park,
Jinan, Shandong
Province, China

Customer: Shandong
Energas New Energy
Co. Ltd

The Challenge

Linuo is a large technology and innovation-oriented business group with headquarter in Shandong province, China.

For its new Technology Park in Jinan, Linuo required a solution that would provide steam, heating and electrical power to all the facilities in the park. With constant efforts to reduce emissions, the objective was to displace traditional coal-fired power generation using a sustainable and environmental-friendly solution. For Destinus Energy this represents the first commercial project in China.

The Solution

Destinus Energy delivered two gensets powered by OPRA OP16-3B gas turbines, equipped with Dry Low Emission combustion systems.

Each turbine produces 1850KWe of electrical power and 6 tons of steam per hour, with emissions below the most stringent international regulations.

The gensets are connected to the electricity grid and to the park district heating. The optimized integration into the park's power management system leads to a total energy efficiency over 80%, with significant savings in energy costs and emissions.

With a great teamwork, Destinus Energy was able to complete the installation in record time, and turn this first project in China into a successful installation.



The Results

By choosing a Destinus Energy solution, Linuo Group avoids the combustion of 15.000 tons of coal per year, corresponding to a reduction in annual emissions of 10.600 tons of CO₂, 160 tons of Nitrogen oxides and 320 tons of highly hazardous sulfur dioxide.

Thanks to our expertise and the advance technology of the OPRA OP16-3B, the Jinan Technology Park now benefits from a decentralized power generation solution which protects it from power outages and from the volatility of the electricity prices.

15.000
tons

Coal Use Reduction
Per Year

>80%

Total Efficiency

10.600
tons

CO₂ Emission
Reduction Per Year

320 tons

Sulfur Dioxide
Reduction Per Year

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