

PowerAire Case Study

Great American Business Products – Houston, TX



Customer:

- Great American Products

Location:

- Houston, Texas

Building:

- 72,000 sq. ft.

Equipment / Energy:

- 24 PowerAires producing
 - 144 kW of electricity
 - 600 kW cooling / heat
 - 150 kWh battery UPS storage
- 144 kW solar

Electric Utility Displacement:

- nearly 1 MW



Great American Business Products, a Houston based e-commerce company, came to M-Trigen to contribute to their goal of developing their own self-sustaining micro-grid.

With PowerAire's ability to simultaneously produce electricity, heat and cooling, as well as integrate renewables and provide net metering, Great American Business Products chose M-Trigen as their partner. The distributed nature of the build out provides for n times redundancy in the event of equipment downtime.

The building's energy is supplied through a combination of 24 natural gas fired mCCHP (combined cooling, heat and power) units and a 144 kW solar array. Displacing nearly 1 MW of electricity, this project is the first of its kind. The system also provides automatic backup power in case of a utility power outage.



PowerAire

Your own personal micro-grid.

To learn more about PowerAire, find a dealer or become a dealer, visit mtrigen.com



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