



FuelCell Energy
Ultra-Clean, Efficient, Reliable Power

Sheraton NYC

problem: In 2005, Starwood Hotels, owners of the Sheraton New York Hotel and Towers, were looking to reaffirm their commitment to sound environmental practices by implementing a distributed energy resource to reduce both pollutant emissions and reliance on the local power grid.

solution: Starwood decided to call on a technology they were already familiar with – stationary fuel cell power plants – to address their needs. Sheraton hotels in Edison and Parsippany, New Jersey were already operating fuel cell power plants from FuelCell Energy, with positive results. Starwood felt the technology was ready for the big time, with an installation at their flagship New York City property.

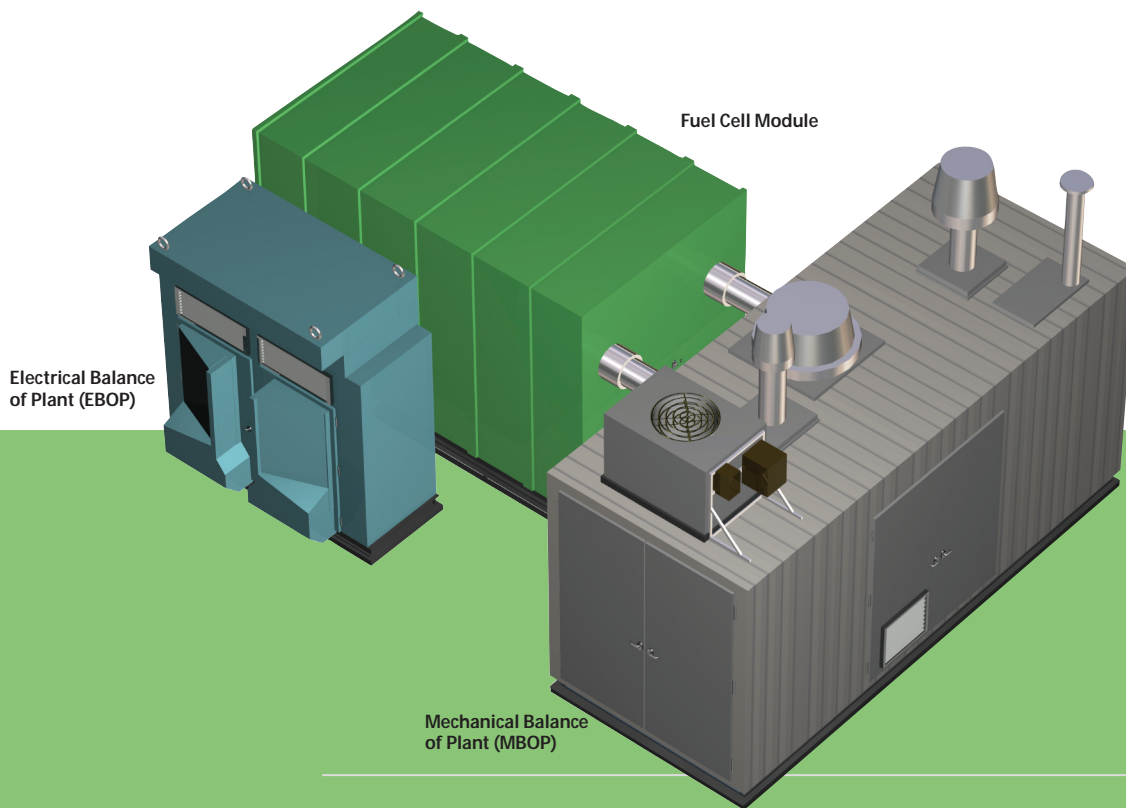
result: The 250 kilowatt DFC300™ fuel cell power system has proved to be an effective onsite distributed energy resource, providing approximately 10% of the property's baseload power requirement.

Operating on natural gas, the DFC system generates electrical power through a non-combustion electrochemical process. The result is a quiet, dependable power system with negligible emissions of harmful atmospheric pollutants such as nitrogen and sulfur oxides (NOx and SOx), and significantly reduced greenhouse gas emissions.

Additionally, the fuel cell makes good use of Combined Heat and Power (CHP) capabilities, in which heat generated during the electrochemical power production process is captured and used to supply hot water for various uses



About DFC Power Plants
Direct FuelCell power plants operate on a variety of fuels, including methane from biogas, waste gas from industrial processes, and natural gas.



Direct FuelCell power plants are comprised of three major functional elements: Electrical Balance of Plant, Mechanical Balance of Plant, and Fuel Cell Modules.

throughout the hotel. The system's CHP capabilities further enhance the operating efficiency of the fuel cell system, increasing overall efficiency from an already high 47% to as much as 80%.

The Sheraton New York Hotel and Towers power plant has solidified Starwood's commitment to Ultra-Clean, onsite power through stationary fuel cells. A two-time recipient of the ENERGY STAR Partner of the Year Award, the company continues to lead the way in environmentally friendly hospitality.

About Starwood Hotels

Starwood Hotels & Resorts Worldwide, Inc. owns, operates, and franchises 870 properties in more than 100 countries including such internationally renowned brands as St. Regis®, The Luxury Collection®, Sheraton®, Westin®,

Four Points® by Sheraton, W® Hotels and Resorts, and Starwood Vacation Ownership, Inc. For more information, please visit www.starwoodhotels.com.

About FuelCell Energy

FuelCell Energy develops and markets Ultra-Clean power plants that generate electricity with higher efficiency than distributed generation plants of similar size and with virtually no air pollution. For more information on the company, its products, and its world-wide commercial distribution alliances, please visit www.fuelcellenergy.com.

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