



A Second Generation of Combined Heat & Power Plants for America's Hotel Industry. Saving Energy through smart Technologies.

St. Augustine, FL, September 9, 2014. CHP cogeneration – particularly smaller systems located at or in buildings – have reached a very high level of maturity. Many hotel owners are in the process of modernizing their boiler rooms, replacing older inefficient energy systems with a new wave of second generation combined heat & power equipment.

The Eden Resort & Suites in Lancaster, Pennsylvania, a 301-room hotel and conference center installed a 2G CENERGY® on-site CHP module which provides the hotel with power for running the resort and the thermal energy / hot water used for pools and rooms. The cogeneration system also reduced the hotel's carbon footprint, enabling the owner to go ahead with future expansion plans without increasing carbon emissions.

The project, undertaken by SOPHANCE, an energy consulting and project development company, aims to reduce the hotel's dependence on utility, and to save energy costs while cutting carbon emissions at the same time.

Energy expenses are the second largest cost center; personnel costs to be the largest, in the hotel & hospitality industry. Fortunately energy represents one of the cost elements that are controllable by applying energy efficient, cost saving, and environmental friendly CHP cogeneration systems, and simultaneously boosting a hotel's image.

"We're excited about the growing hotel market", said Michael Turwitt, 2G CENERGY® President & CEO. "Electricity rates are increasing for all hotel owners. Hotels like many other businesses have to consider how much money they actually can save by implementing CHP technologies, and how vulnerable they really are by being 100% dependent on the utility grid." Turwitt added.

2G CENERGY® received the order to manufacture and supply a CHP rated 400 ekW/h with a yearly capacity of 3,320 MWh electrical output along with 15,756 mmBTU of thermal energy generation. This fully-containerized, "All-in-One" and "Plug & Play" CHP Cogeneration system was supplied in "High-Line Configuration" for more pleasing optics and with reduced noise level of <50 dB(A) @ 30', to assure a very quiet ambient around the hotel. The High-Line CHP Module was delivered in the hotel's color and skillfully integrated into the existing resort infrastructure, considering hotel guest experience and limitations on space.

The installation was finalized in less than one week and now significantly reducing the hotel's energy bills, paying for itself in a very short time. This project demonstrates how easy it is for hotel owners to reduce their energy expenses.

The 2G® Group manufactured and installed more than 4,000 CHP cogeneration power plants and the companies experience in this specific market segment is unmatched. 2G CENERGY® provides a wide range of advantages over competitors with its portfolio of technologically advanced 100% modular cogeneration systems.

About 2G CENERGY Power Systems Technologies Inc.

Headquartered in St. Augustine, FL, 2G CENERGY Power Systems Technologies Inc. is a 2G Energy AG group company providing environmentally-friendly and highly efficient CHP cogeneration systems to the North and South American market. 2G's concept of modular combined heat and power plants for decentralized energy production is leading the way. 2G Energy AG is a long-established manufacturing company publically traded on the Frankfurt Stock Exchange. Today 2G is the largest independent manufacturer of combined heat and power (CHP) systems, with manufacturing plants in America (2G Manufacturing Inc.) and Germany.

More than 4,000 cogeneration plants are installed and operating. The company's CHP power plants guarantee extreme high energy efficiency, generated from natural gas, biogas, landfill gas, sewage gas, coal mine gas, syngas, hydrogen, and other specialty gaseous fuels. 2G CENERGY provides technologically advanced and clean systems to generate electricity and heat, while reducing CO2 emissions and greenhouse gases. All plants are designed and manufactured "plug & play, connection-ready".

More information at: <http://www.2g-cenergy.com> e-mail: info@2g-cenergy.com Tel: +1-904-579-3217