



**Saving Energy Users \$10 Billion per Year. Combined Heat & Power (CHP) is achieving significant Cost Savings and positively impacts the Health of local Economies and supports National Policy Goals.**

St. Augustine, FL, September 8, 2014. Interest in combined heat & power, CHP or cogeneration as it's often called, is continuing to grow in the United States. Cogeneration systems have been around for many decades, especially in Europe, but are gaining more traction lately with companies examining their options for long-term cost-saving measures and to reduce their carbon footprint.

2G CENERGY®, a 2G® Group company, is well aligned for growth as a leading cogeneration system provider and a pioneer in the industry. According to independent market intelligence, CHP solutions represent the most cost effective method securing a decentralized electricity supply for a steadily growing economy, simultaneously servicing the heating and power requirements of most commercial and industrial energy consumers. There are several drivers behind increased implementation of highly efficient onsite CHP systems, which simultaneously produce electric and thermal energy from a single source, including meeting tightening environmental emission standards, stabilizing natural gas prices (often used as the source fuel) and President Obama's goal of 40 gigawatts of new CHP by the year 2020.

Recognizing the benefits of CHP and its current underutilization as an energy resource in the United States, the Obama Administration has a goal to achieve 40 gigawatts (GW) of new, cost-effective CHP by 2020. As presented by the Department of Energy and by the Environmental Protection Agency, achieving this goal would increase total CHP capacity in the United States by 50% in less than a decade, save energy users \$10 billion per year compared to current energy use, reduce emissions by 150 million metric tons of carbon dioxide (CO<sub>2</sub>) annually, equivalent to the emissions from over 25 million cars, and result in \$40-\$80 billion in new capital investment in manufacturing and other U.S. facilities over the next decade

*"Of course, there's always the individual energy customer balance sheet too, which benefits from the result of CHP's 90% efficiency, versus only about 33% for energy from a traditional power station. The breadth of the potential CHP domain is wide, with applications for the scalable systems spanning millions of buildings across the country from multi-unit housing to industrial CHP projects",* said Michael Turwitt, President & CEO of 2G CENERGY®.

Many companies, especially in the manufacturing industry, are now in the process of ditching their old natural gas boilers, opting instead for much more efficient CHP systems to deliver most of the facilities electricity needs and meet all thermal energy requirements. Cost savings of between 15% and up to 40% over electricity sourced from the grid and heat generated by on-site boilers are easily achievable.

In addition to the long-term savings on utilities and mitigated emission benefits of CHP, companies can utilize available government incentives, such as the NYSERDA CHP Acceleration Program in New York. Return on investment typically comes quickly with 2G CENERGY® cogeneration systems as compared to other alternative energy sources, such as vastly expensive fuel cells and much less efficient micro turbines.

In line with this trend 2G CENERGY® is continuously further penetrating the market. In order for CHP to maximize efficiency, prime candidates are commercial operations and facilities with certain thermal energy demands, mainly manufacturing plants, food processing industry, hotels, community centers, hospitals, nursing homes, schools, universities, airports, shopping malls, office complexes, as well as waste-to-energy companies are ideal users for cogeneration systems.

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.

This is discernable from the fact that 2G CENERGY® products meet strict California emissions standards and achieved pre-qualified status by the NYSERDA (New York State Energy Research and Development Authority).

**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".

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