



World-famous Brewery to benefit from Biogas CHP Cogeneration System, powering the Plant with clean Renewable Energy.

St. Augustine, FL, September 9, 2014. The oldest brewery in the USA operates a 2G CENERGY® 400ekW/h CHP cogeneration power plant, serving about 20% of Yuengling®'s total electricity needs at the brewery, saving the owner significant dollars.

Yuengling® is joining the group of smart breweries that embrace new advanced biogas technologies and modern CHP energy conversion systems from 2G CENERGY®. The cogeneration module was supplied "all-in-one" and "plug & play".

The world famous brewery will use the heat generated by the plant to heat the breweries pasteurization process, a critical component of the beer production process. That allows Yuengling® to save additionally significant amounts of energy. Less steam is required to heat the breweries tunnel pasteurizers, and that in itself represents substantial savings.

"It's definitely ahead of the curve on technology, and a huge jump forward," Robert Seaman Jr., Yuengling Plant Manager said in an interview with the Republican Herald.

The methane gas is generated at the Yuengling® brewery wastewater treatment plant and an anaerobic digester designed by EMG (Environmental Management Group International, Inc.). 2G CENERGY® also supplied the gas treatment system to dehumidify the saturated gas, and to remove H₂S contained in the raw biogas. The CHP system has been designed as dual fuel module and can be operated on low BTU biogas, as well as pipeline quality natural gas.

Ulrich Nielen, Sales Director at 2G CENERGY®, said: *"This is an exciting investment for Yuengling®, not only because of the many savings and advantages that the facility will create for the brewerie's economy, but also because this is a significant milestone in our growing presence in the American brewery market segment."*

Research carried out by independent market analysts predicts that installations of biogas powered CHP energy conversion systems in the U.S. will substantially grow over the next 10 to 15 years. The increasing popularity of biogas plants is expected to emerge through a growing need to enhance waste-to-energy processes and the accelerating adoption of advanced distributed generation technologies.

"The U.S. biogas sector is in a very vibrant phase, with a range of anaerobic digester companies coming forward with more advanced and proven technologies, many new projects, and aspirational targets," says Michael Turwitt, President & CEO of 2G CENERGY®. *"The increased focus on renewable energy and smart biogas solutions to turn waste into valuable energy, and the undisputed benefits associated with smart biogas energy generation are driving steady growth and demand for the use of highly efficient biogas CHP distributed power plants."*

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".

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