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Tecogen Technology creates bridge to sustainable energy future: InVerde Ultra 100

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Tecogen Inc. introduced the InVerde Ultra 100 -- a breakthrough, low-emissions, natural gas engine-driven cogeneration system. Designed for commercial and industrial facilities, the InVerde Ultra 100 will meet and even exceed the strictest California emission standards, making it a preferred clean energy solution for today's heating and power needs.

The Tecogen InVerde Ultra 100 is a UL 1741-certified, natural gas engine-driven CHP module that delivers scalable, distributed power generation at extremely low emissions levels. A built-in black-start capability ensures grid independence, and its simple interface makes it easy to install in multiple unit applications. It is internationally adaptable (50/60 Hz) via a software change and was awarded the CE mark in 2010. Unlike conventionally powered CHP products (such as micro turbine-based systems) which require batteries and complex supervisory controls when implemented in a micro-grid, the Tecogen InVerde Ultra 100 micro-grid operation combines a small footprint with easy plug and play and utility-friendly operation.

Tecogen technology research and development was supported by the California Energy Commission (CEC) and Southern California Gas Company (SoCalGas).

With energy challenges facing the state, the California Energy Commission actively invests in innovative research providing California with cleaner, more affordable, reliable, diverse, safe, and environmentally-responsible energy options. "Our investment in Tecogen's low emissions research will help large industrial facilities meet energy efficiency, carbon reduction, and air quality goals," said Energy Commission chairman Dr. Robert Weisenmiller. "The Energy Commission has provided funds to support several innovative Tecogen research projects. It is gratifying to see the progress they have made."

"We congratulate Tecogen for its accomplishment and look forward to other innovative companies meeting the challenge of ever lower emissions from natural gas technology," said Jeff Reed, director of emerging technologies at SoCalGas. "Advanced natural gas technologies that help improve the air we breathe through lower operating emissions at reduced energy costs benefit this and future generations."

"Tecogen has been fortunate to work with such visionary organizations as the CEC and SoCalGas," said Robert Panora, president of Tecogen. "The real bottom line is that until sustainable energy becomes a reality, we must conserve our precious resources by using what is clean and efficient today."

Shown are California Energy Commission chairman Dr. Robert Weisenmiller; Robert Panora, president of Tecogen; and Jeff Reed, director of emerging technologies at Southern California Gas Co.