

# PASTEURIZATION TECHNOLOGY GROUP'S WASTEWATER DISINFECTION TECHNOLOGY WINS PRESTIGIOUS 2012 KATERA AWARD



San Leandro, CA



February 7, 2013

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Pasteurization Technology Group (PTG) is pleased to announce that it has won the 2012 Katerva Materials & Resources Award for its patented wastewater disinfection technology that generates renewable energy. The internationally recognized Katerva Award is known as the "Nobel Prize of Sustainability." PTG was selected the overall winner in the Materials and Resources category of the Katerva Awards, beating out eight other phenomenal ideas and technologies from countries that included Brazil, India, the Philippines, Sweden and the United States.

"We are deeply honored to have won the Katerva Materials & Resources Award for our sustainable wastewater disinfection technology," said Greg Ryan, CEO and co-founder of Pasteurization Technology Group. "This award confirms why many businesses and municipalities are attracted to our chemical-free approach to wastewater disinfection that also generates renewable energy. Our technology is generating both environmental and economic benefits to our customers in municipal wastewater treatment plants, and has immediate applications in the agriculture, food and beverage industries."

The Katerva Awards shine a global spotlight on the world's most promising sustainability ideas and serve as a means to gather together the world's best



sustainability innovators. The Katerva Awards are the pinnacle of global sustainability recognition. Through them, the best ideas on the planet are identified, refined and accelerated toward impact at a global level. Katerva Award nominees undergo a rigorous evaluation process. The practical, strategic, scientific, social and commercial aspects of each project are thoroughly analyzed through a meticulous 10-month review process. More than 800 individuals (including Nobel Prize winners in science as well as former heads of state) participated in the nominee identification and adjudication process, including six filtering phases and twelve stages of focused review.

According to Terry Waghorn, founder and CEO of Katerva, "Today's unprecedented challenges require a new kind of organization, one that optimizes the world's unprecedented interconnectedness, prioritizes action, and systematically taps the most innovative ideas on the planet. Katerva is that organization:

designed to convene, catalyze and accelerate breakthrough solutions to global challenges."

PTG has received an enthusiastic welcome from both municipal water and industrial customers since it launch last year. The company recently secured a contract with the California town of Graton to replace its chlorine-based wastewater treatment system with PTG's patented wastewater disinfection system, which can process more than 500,000 gallons per day while reducing Graton's energy costs by over 50 percent. Additionally, PTG successfully completed the evaluation phase of a large project with City of Ventura in Southern California. Ventura plans to transition its existing wastewater treatment plant to PTG's safe, non-toxic, sustainable technology, replacing the chlorine-based disinfection process currently in use at the Ventura Water Reclamation Facility. PTG recently announced plans to expand its market focus to include the agricultural processing, food processing, brewing, and soft-drink sectors.

#### **The PTG eco-friendly system for wastewater disinfection and renewable energy**

PTG's patented technology is the first and only to combine wastewater disinfection with the generation of renewable energy. PTG's integrated systems can use available waste by-products (like biogas or biomass) or natural gas to power a turbine or engine that generates electricity. The turbine's hot exhaust air (which is typically wasted) is passed through a waste-heat recovery unit that increases the temperature to disinfect the wastewater. PTG's intelligent software optimizes energy efficiently throughout the integrated system. PTG's systems are significantly more cost-effective and more energy-efficient than other methods. And, unlike other wastewater disinfection approaches, PTG's technology is sustainable and does not require toxic

chemicals such as chlorine, or costly electrical power and expensive UV lamps. As a result, PTG's systems fit a broad range of applications in both the municipal and industrial market sectors.

#### **About Katerva**

Katerva is Greek for crowdsourcing. Katerva's mission is to create the first truly open global platform for change. Created in 2010 and registered as a UK-based charity, Katerva is the brainchild of innovation guru Terry Waghorn. In today's world of unprecedented challenges, Katerva's network of networks is a new kind of structure based on inclusiveness, collaboration and transparency; designed to convene, catalyze and accelerate breakthrough solutions to global challenges. Katerva's approach places emphasis squarely on action for a sustainable future—creating and implementing solutions to sustainability-related concerns/

#### **About Pasteurization Technology Group**

California-based Pasteurization Technology Group (PTG) is a rapidly growing, VC-backed company that is revolutionizing the disinfection of wastewater.

PTG's systems feature its patented "two-for-one" technology that combines eco-friendly wastewater disinfection with the generation of renewable energy. PTG's process is one of only a handful of technologies to pass the stringent standards of Title 22 in the state of California for the disinfection of water for reuse. PTG's technology has also been officially recognized in the EPA's influential *Guidelines for Water Reuse*. By channeling the typically wasted exhaust heat from a turbine or engine to disinfect wastewater, PTG's process is able to deliver the most energy-efficient and lowest-cost solution on the market. PTG has won numerous awards including the Katerva Award, the Artemis Top 50 Water Tech award.

