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Capstone Issued U.S. Patent for New Fuel Injector to Meet Strict Tier 4 Emissions

CHATSWORTH, Calif., Oct. 10, 2016 (GLOBE NEWSWIRE) -- Capstone Turbine Corporation (www.capstoneturbine.com) (Nasdaq:CPST), the world's leading clean technology manufacturer of microturbine energy systems, announced today the issuance of U.S. Patent No. 9,366,432 for a new, cleaner fuel injector apparatus, raising the company's patent portfolio to 127 issued patents comprised of 100 U.S. and 27 international patents, expiring between 2016 and 2035.

When used with liquid fuel, Capstone's multi-staged lean pre-vaporizing, pre-mixing fuel injector provides ultra-low emissions that meet United States Environmental Protection Agency (EPA) Tier 4 requirements for power generation. Preheated combustion air from the microturbine's recuperator is utilized by the fuel injector to finely vaporize liquid fuel, and the multistage design optimizes the fuel/air mixture for a cleaner burn.

Over the years the EPA has adopted multiple tiers of emission standards. Most recently, they adopted a comprehensive national program to significantly reduce emissions from off-road diesel engines used in construction, industrial and power generation applications. Under this new program, exhaust emissions from these engines will be required to decrease by more than 90 percent.

"Capstone's product development group is doing an excellent job moving the technology forward in meeting continuously lower global emissions standards without the crutch of using emissions aftertreatment devices, which increase the first cost and the total system complexity and inherently lower reliability," said Darren Jamison, Capstone's President and Chief Executive Officer. "Interest in liquid fuel versions of our product are increasing as more remote applications and markets that do not have the benefit of low-cost natural gas are looking to become more environmentally conscious without sacrificing reliability," added Mr. Jamison.

The patent is currently available for Capstone's C65 microturbine product but will soon be extended to other products in the company's extensive line. Furthermore, the fuel injector system is reverse compatible with older units and can be easily integrated in the field with the addition of new updated software.

"We are excited to further reduce our product emissions to meet EPA Tier 4 requirements when burning liquid fuel," said Tony Lorentz, Director of Product Development at Capstone. "This additional achievement of our combustion and fuel development team is broadening the worldwide application of our product. The team's focus is now on the application of butane, ethane, syngas and high H₂S fuels," added Mr. Lorentz.

About Capstone Turbine Corporation

Capstone Turbine Corporation (www.capstoneturbine.com) (Nasdaq:CPST) is the world's leading producer of low-emission microturbine systems and was the first to market commercially viable microturbine energy products. Capstone has shipped approximately 8,800 Capstone Microturbine systems to customers worldwide. These award-winning systems have logged millions of documented runtime operating hours. Capstone is a member of the U.S. Environmental Protection Agency's Combined Heat and Power Partnership, which is committed to improving the efficiency of the nation's energy infrastructure and reducing emissions of pollutants and greenhouse gases. A UL-Certified ISO 9001:2008 and ISO 14001:2004 certified company, Capstone is headquartered in the Los Angeles area with sales and/or service centers in the United States, Latin America, Europe, Middle East, China and Singapore.

This press release contains "forward-looking statements," as that term is used in the federal securities laws, about the advantages of our liquid fuel applications, compliance with applicable emissions standards and new product development. Forward-looking statements may be identified by words such as "expects," "objective," "intend," "targeted," "plan" and similar phrases. These forward-looking statements are subject to numerous assumptions, risks and uncertainties described in Capstone's filings with the Securities and Exchange Commission that may cause Capstone's actual results to be materially different from any future results expressed or implied in such statements. Capstone cautions readers not to place undue reliance on these forward-looking statements, which speak only as of the date of this release. Capstone undertakes no obligation, and specifically disclaims any obligation, to release any revisions to any forward-looking statements to reflect events or circumstances after the date of this release or to reflect the occurrence of unanticipated events.

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