

Carnot Compression Awarded \$750,000 Phase II SBIR Grant, to Advance Proprietary Isothermal Compression Technology

SCOTTS VALLEY, Calif. (April 20, 2017) - Carnot Compression LLC is pleased to announce it has been awarded a Phase II Grant of \$750,000 from the National Science Foundation (NSF) Small Business Innovation Research (SBIR) program. This grant is a follow-on Grant to the Phase I Award Carnot received in December 2015, bringing total funding from the NSF to \$900,000. This award will provide research and development funding to advance Carnot's isothermal compression technology to commercial readiness.

Carnot's patented isothermal compression process uses a gas/liquid micro-emulsion to compress gas in a centrifugal field. Liquid absorbs the heat of compression, therefore Carnot's process requires less energy input to deliver comparable compression output versus conventional compressors.

"We are honored to have the support of the National Science Foundation to advance this ground-breaking technology" said Todd Thompson, Carnot CEO. "This grant will enable our technical team led by Mark Cherry, Hans Shillinger, and Chris Finley to accelerate our product development plan to further validate the tremendous energy savings potential of our technology."

Carnot's technology will drive energy and cost savings across a broad base of compression applications including industrial air compression, multiple oil and gas compression applications, CNG fueling, refrigeration, HVAC, and energy storage.

For more information, please visit carnotcompression.com.

About the National Science Foundation's Small Business Programs

At the National Science Foundation (NSF), Small Business Innovation Research/Small Business Technology Transfer ([SBIR/STTR](#)) is an approximately \$180-million program that catalyzes the commercialization of high-risk technological innovations via R&D grants to small businesses and startups. Through SBIR/STTR, NSF seeks to transform scientific discovery into societal and economic benefit. NSF is an independent, \$7-billion federal agency that supports fundamental research and education across all fields of science and engineering.

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