



## PRESS RELEASE

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# VanDyne SuperTurbo Inc.™ Selects Fallbrook Technologies' NuVinci® Technology for Next Generation Variable Speed SuperTurbo Drive

- Will be used in VanDyne's next vehicle demonstrator, a Class 8 truck tractor -

**Loveland, Colo. and Cedar Park, Texas** – December 14, 2016 – VanDyne SuperTurbo Inc. (VanDyne) and Fallbrook Technologies Inc. (Fallbrook) announced today that Fallbrook's *NuVinci* continuously variable planetary (CVP) transmission has been selected for use in the SuperTurbo™ for commercial vehicle applications. VanDyne will install a drive in two programs: a development program with a major diesel engine OEM and the Company's vehicle demonstrator, a Class 8 truck tractor, which as announced previously, is being co-developed with Allison Transmission Inc.

*NuVinci* CVP technology is a platform technology for a new class of continuously variable transmission (CVT) that utilizes spheres instead of gears or belts and can be deployed in a wide variety of applications to improve performance and/or system efficiency.

For the past two years, VanDyne has been testing a *NuVinci* variator in conjunction with a project for a major diesel engine OEM. "After two years of joint research, development and testing with the engine OEM, Fallbrook's *NuVinci* technology has proven itself," said Mark Herbst, President and CEO of VanDyne. "*NuVinci* technology's high efficiency and ability to shift ratios extremely rapidly, together with the availability of a production-ready variator from Dana led us to incorporate it into our next generation design."

Dana Incorporated (Dana) is a Tier-1, world-class automotive manufacturing supplier licensed by Fallbrook to develop and manufacture *NuVinci* technology applications for light vehicle transmissions. Dana markets its planetary variator under the brand name VariGlide®. More information is available at [www.dana.com](http://www.dana.com).

The SuperTurbo utilizes Dana's *VariGlide* variator coupled with a high-speed traction drive to control turbocharger speed and allow for bidirectional torque transfer. Mechanically coupling the SuperTurbo to the engine either through the crankshaft or power take-off (PTO) eliminates turbo lag and enables turbo compounding, improving fuel efficiency and reducing emissions.

“This project is a prime example of efficient development through collaboration,” said William G. Klehm III, Fallbrook’s Chairman and CEO. “We are delighted that Dana’s excellent engineering and development progress with continuously variable planetary transmission technology will enable VanDyne to demonstrate its next generation variable speed SuperTurbo Drive sooner than might otherwise have been possible.”

**About VanDyne SuperTurbo, Inc.**

VanDyne SuperTurbo™ specializes in the design, development and commercialization of SuperTurbos™ for the global automotive and truck markets. Founded in 2009, the company is headquartered in Loveland, Colorado and is a leader in the application of advanced driven-turbo technology. VanDyne’s proprietary *SuperTurbo* system enables engines and vehicles to achieve important emission reduction, realize fuel savings and increase overall performance.

**About Fallbrook Technologies Inc.**

Fallbrook Technologies leads the world in innovation with its revolutionary *NuVinci* continuously variable planetary (CVP) technology, which enables performance and efficiency improvements for any machine that uses geared transmission systems – from urban mobility vehicles to cars and trucks and from industrial equipment to marine applications. Fallbrook, has a unique collective development model and community through which *NuVinci* technology licensees share enhancements, which adds to the value of the technology and accelerates product development. Fallbrook is based in Cedar Park near Austin, Texas, USA and holds rights to over 800 patents and patent applications worldwide. For more information, visit [www.fallbrooktech.com](http://www.fallbrooktech.com).

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