

Pi Innovo LLC
47023 W. Five Mile Road, Plymouth, MI 48170-3765
Tel: +1 734 656 0140 Fax: +1 734 656 0141
pi-innovo.com

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Pi Innovo develops brushless DC motor controller for Bergstrom

Pi Innovo LLC is pleased to announce the culmination of a collaboration with Bergstrom Inc. to develop a reliable, cost-effective, and highly capable brushless DC (BLDC) motor controller that will be incorporated into Bergstrom's class-leading commercial and specialty vehicle climate control systems.

Pi Innovo was responsible for the design of the custom control electronics, which will be integrated with a Bergstrom motor in a final assembly that Bergstrom will manufacture for its customers.

"Pi Innovo's hardware and software engineers worked closely with the Bergstrom team to understand the product requirements and to ensure the final assembly Bergstrom will produce meets all of the needs of its customers" said Dr. Walter Lucking, CEO of Pi Innovo. "Working on this project has been a great experience for our team and we're looking forward to a close partnership with Bergstrom in the future."

The controller has been designed to operate in 12V and 24V systems and incorporates a variety of different control signal inputs, covering the spectrum of Bergstrom's vehicle customer's needs. It also contains self-diagnostic capability to provide superior reliability in a sensor-less design. The control electronics have been fully tested and passed some of the most rigorous electro-magnetic compatibility (EMC) criteria possible.

"Having a partner like Pi Innovo that really understands the intricacies of control electronics design for vehicle applications is invaluable in supporting Bergstrom's product development efforts and keeping us at the forefront of technology in the market for vehicle climate systems." said Bjorn Hansson, Mechatronics Chief Engineer for Bergstrom.

Bergstrom's system incorporating the Pi Innovo designed controller goes into volume production in 2016. This custom BLDC design adds to a growing portion of Pi Innovo's business providing custom electronics solutions for customers in multiple markets. Other recent applications include a UAV engine controller, a specialty injector driver module, and a hybrid vehicle supervisory control module.

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Notes to editors

Bergstrom Inc. is the leading designer and manufacturer of cab climate systems for heavy-duty commercial trucks, off-highway machines and specialty vehicles. For more information visit: <http://www.bergstrominc.com/>

Pi Innovo is a world leader in the development and manufacture of electronics for the automotive, transportation, military and industrial markets. Using its OpenECU® platform, the same proven, robust, reliable and reusable ECU hardware can be applied in successive rapid prototyping development projects and fleet trials, or in niche production vehicles. Because all OpenECU modules are designed and manufactured by Pi Innovo, the company can meet individual customer's needs by creating custom variants from prototyping to production applications. For more information visit: www.pi-innovo.com/.

Media contact:

Anthony Smith

Tel: +44 (0)1273 382 710

E-mail: avsmith@mediatechnical.com

Twitter: @MediaTechnical

Pi Innovo business contacts:

China

Nicky Zhao – Sales Manager
Pi Innovo China Office/ Michigan China Center
Suite A409, Tomorrow Square,
No. 399 West Nanjing Road
Shanghai, China 200003
+86 (138) 1866 9070

United States

Dwight Hansell – VP Business Development
Pi Innovo LLC
47023 W. Five Mile Road
Plymouth, MI 48170-3765
United States of America
Telephone: +1 734 656 0140

