**Plug-in motor controller for fast integration**

*Feldkirchen/Germany, April 4, 2018* – Nanotec introduced a new controller specifically for integration into devices: the NP5 plug-in motor controller, which is suitable for brushless DC motors as well as for stepper motors. A PCI Express connector allows for fast and easy integration into a customer-specific board – thus offering a compact and affordable solution that reduces the wiring effort, particularly for multi-axis applications.

The NP5 controller can control motors with a rated current of up to 6 A via FOC, Hall sensors, or sensorless control. In addition to position, speed, and torque control, operating modes with cyclical set value specification are also available for interpolated multi-axis operation.

For parameterization and programming Nanotec offers the free Plug & Drive Studio software. The NP5 can be connected to a higher-level controller via SPI, EtherCAT, Modbus RTU, or CANopen.   
In addition, the controller can be programmed in the NanoJ V2 programming language so that time-critical subtasks can be executed directly in the controller, independently of the fieldbus communication.

The new controller is equipped with 6 digital inputs and outputs, 2 A/D converters, 2 encoder inputs, and one brake output. For evaluation, single-axis motherboards are available for various fieldbuses.

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***About Nanotec***

*Nanotec Electronic GmbH & Co. KG is one of the leading manufacturers of motors and controllers for high-quality drive solutions. Since 1991, the company has been developing and distributing a broad range of products, which are mainly used in industrial automation and medical technology. Nanotec is headquartered in Feldkirchen near Munich and has subsidiaries in ChangZhou, China, and Stoneham/MA, USA.*