

## Press Release

### Research Project on Production Technology Transformation Enters Second Phase

**Nuremberg, July 02, 2025** – Innomotics, a globally leading provider of electric motors and large drive systems, is coordinating the consortium for the research project “EA 2.0 – Integrated Product and Process Innovation for Electric Drives”. The project is hosted under the umbrella of the Werner-von-Siemens Centre for Industry and Science e.V.

The research initiative aims to develop disruptive approaches and explore the potential of digitalization in the manufacturing of electric machines. The focus lies on increasing power density and enhancing sustainability. The results are intended to make production processes more efficient and to further reduce material and energy consumption without compromising performance.

In the first project phase, it was demonstrated that permanent magnets can be produced by extruding neodymium-iron-boron metal powder, which could be used in electric drives. This potential will now be further explored. The goal is to create magnets that enable entirely new possibilities in the design of customized, energy-efficient, and high-dynamic electric motors.

Robert Schwengber-Walter, consortium spokesperson and project manager for digitalization and process management at Innomotics, stated: “As an industrial company, we serve as the connecting element between the partners involved along the value chain. We are convinced that successful research will enable the integrated application of novel magnets and digital data structures in the shared product of the electric drive. This will create a solid foundation for long-term collaboration with our partners and unlock new potential for further optimization of our portfolio.”

Other project partners include the Fraunhofer Society, the Technical University of Berlin, Datalyze Solutions GmbH, INGWERK GmbH, and Siemens AG. The project is funded by the State of Berlin and co-financed by the European Regional Development Fund (ERDF).

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*The research project EA 2.0 aims to further develop the electric drive to create sustainable and high-performance solutions for industry and the environment through more efficient manufacturing, reduced material and energy consumption as well as increased power density. (Picture: Innomotics)*

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# INNOMOTICS

**Redefining reliable motion for a better tomorrow.**

Innomotics GmbH is a globally leading provider of electric motors and large drive systems that combines deep technical expertise and leading innovation in electrical solutions across industries and regions. With its more than 150 years of experience in developing electric motors, the company is the backbone for reliable drive technology in industry and infrastructure worldwide. Innomotics is a thought leader in the areas of industrial efficiency, electrification, sustainability, and digitalization. The company is headquartered in Nuremberg (Germany) and employs around 15,000 people worldwide. Annual revenue exceeds 3 billion euros. With 17 production sites and a comprehensive sales and service network in 49 countries, Innomotics has a well-balanced global presence in a growing market.

**For more information, visit [www.innomotics.com](http://www.innomotics.com).**

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