

Press release

Innomotics showcases unique motor design and further innovations at the SPS 2025

- Innovative Low Voltage Motor Design with Outstanding Efficiency
- New Technologies for Increased Plant Uptime
- Innomotics Integrate Shield enhances cybersecurity
- Circular economy initiative Innomotics ReFresh

Nuremberg, November 25, 2025 – Innomotics presents its latest innovations in electric motors and drive systems at the SPS fair in Nuremberg. The exhibition focuses not only on trailblazing motor technologies but also highlights cybersecurity and circular economy—key factors shaping tomorrow’s industry.

Low Voltage: Unique Motor Design for Maximum Efficiency

This year, Innomotics is unveiling a revolutionary concept study for low voltage motors. The new concept motor achieves efficiency levels beyond current benchmarks—without the use of rare earth materials.

Additionally, the “Motor Mounted Line” will be on display: an ultra-compact, energy-efficient low voltage drive system featuring permanent magnet motors meeting IES5 system efficiency class standards.

The showcased low voltage product portfolio also includes explosion-proof motors extending the IE4 efficiency range, as well as NORSOK surface protection, optimized for the most demanding operating environments.

High Voltage: Technologies to Boost Plant Availability

To maximize plant uptime, Innomotics introduces innovative patented oil-lubricated rolling bearings (OLRB) that ensure continuous lubrication, significantly reducing maintenance costs and efforts. While grease-lubricated bearings typically require reapplication every two months, OLRB bearings need an oil change only every two years at the earliest.

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The exhibition will also feature the unique “Active Vibration Control System” (AVCS), which minimizes vibrations and delivers top energy and performance efficiency. It supports operation without speed restriction zones and offers flexible adaptation for a wide range of speeds.

Enhanced Security for Digital Industry and Sustainable Performance

With “Integrate Shield,” the international Nuremberg-based company introduces safety and efficiency to the digital workplace—a next-generation work permit and LOTO (Lockout/Tagout) system enhancing operational safety and providing a vital element of industrial cybersecurity.

The Innomotics “ReFresh” initiative completes the portfolio: a sustainable refurbishment concept that ensures maximum plant performance while preserving resources, firmly embedding circular economy principles in the industry.

Michael Reichle, CEO of Innomotics, emphasizes: “Our innovations help customers improve profitability and plant availability—without comprising sustainability or safety. Modern drive technologies are the key to growth in times of resource scarcity. Efficient and high-quality systems will ultimately prevail in this market.”

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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

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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.

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