

Press Release

Innomotics at Hannover Messe: Efficient Motors and Drives, Innovations for Sustainable Growth

- Introducing innovative System for reducing vibrations in electric motors
- Motors with latest energy efficiency class IE6 offers savings potential for companies
- Combination of Perfect Harmony GH180 and Inspire IQ illustrates benefits of digitalization
- Collaborations with Danfoss and Siemens offer new optimized systems for customers

Hanover, March 31, 2025 – Innomotics presents its innovations and solutions for a sustainable industry at Hannover Messe 2025. Highlights include a novel Active Vibration Control System, IE6 energy efficiency class motors, and new product partnerships.

This year's appearance by Innomotics follows the motto: "Grow Sustainably. Drive Efficiency. Empower Innovation." The provider of electric motors and large drive systems addresses the global challenges faced by industrial companies. They want to increase productivity and profitability despite difficult economic conditions. At the same time, sustainability goals must be achieved, and energy consumption reduced. Innomotics supports its customers in all these aspects with its highly efficient and climate-friendly innovations and solutions.

The highlights on this year's booth

With the new **Innomotics Active Vibration Control System (AVCS)** for high-voltage motors, vibrations during operation can be significantly reduced. This innovation actively decouples the motor from its foundation, allowing it to be operated on virtually any foundation without speed cut-off ranges. The reduction of motor and foundation vibrations thus optimizes plant availability.

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Using an Innomotics AVCS, the rotor speed of the motor can be increased by at least 10 - 15%. This potential can be further expanded using optimized controls.

In the low-voltage range, Innomotics is expanding its portfolio with permanent magnet motors of the most advanced **energy efficiency class IE6**. These motors are characterized, among other things, by 20% less losses compared to IE5 motors. The motors with a power factor close to 1 are available in power sizes from 0.37 kW to 250 kW at 1500 rpm and 3000 rpm.

Using the medium-voltage converter **Perfect Harmony GH180**, Innomotics exemplifies the numerous advantages offered by the **digitalization software Innomotics Inspire IQ**. The GH180 – part of the Innomotics Perfect Harmony family, which celebrates its 30th anniversary this year – is equipped with a Smart Cell System. Together with the Innomotics Inspire IQ platform, the GH180 offers comprehensive cloud-based monitoring capabilities such as thermal monitoring, arc detection, and environmental condition analysis. Overall, Innomotics Inspire IQ can optimize the operation of motors and converters, reduce maintenance costs, and further increase the lifespan of the products.

New partnership expands portfolio

At the trade fair, Innomotics will sign the strategic partnership with the Danish company **Danfoss Drives A/S**, which was already announced in November 2024. This expands the offerings of both global market leaders through the mutual complementing of their portfolios. Innomotics thus adds another strong partner to its existing partnership with **Siemens AG**.

"Through innovation, industrial companies can combine growth and sustainability. Only in this way can they maintain their competitiveness and create a livable future for upcoming generations. Innomotics demonstrates at Hannover Messe how this can be achieved. Highly efficient electric motors and reliable drives make an important contribution to this. Together with our cooperation partners Danfoss and Siemens, we find the right solution even under the most difficult conditions and access new markets with great growth potential," summarizes Innomotics CEO Michael Reichle.

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The Innomotics booth at Hannover Messe 2025.

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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 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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