

Siemens unveils innovative motor management system for industrial switchboards

- **Optimized use of space in withdrawable designs**
- **Reduction of installation expenses**
- **Innovative Single Pair Ethernet (SPE) communication physics optimized for withdrawable design**
- **Scalable functionality thanks to licensable device features**

Siemens has launched SIMOCODE M-CP, an efficient and future-proof motor management product series, especially tailored for motor control centers (MCC). The new product series complements the existing SIMOCODE portfolio and is designed to optimally meet the requirements of motor control centers. SIMOCODE M-CP introduces a new standard in the industry with its compact design, advanced functionality, and compatibility with Ethernet-based communication. In the future, SIMOCODE M-CP can be adapted to different operational requirements by purchasing licenses that enable additional functions depending on the application. Motor control centers are designed to efficiently distribute power to motors, enable precise control and monitoring, and offer protection against overloads, short circuits, and other electrical faults. The industries in which motor control centers are used range from chemicals, tunnels and infrastructure, pulp and paper, mining and steel to water and wastewater.

Space-saving and flexible installation

The new SIMOCODE M-CP is optimized for withdrawable units in switchboards. With the ability to choose between front panel mounting and mounting on a DIN rail, this versatile device allows for optimizing space and reducing installation expense.

More integrated functions in the basic unit ensure less variance. Six digital inputs and four relay outputs eliminate the need for additional modules.

Advanced communication with Single Pair Ethernet

To enable fast and reliable data transmission, SIMOCODE M-CP uses Single Pair Ethernet (SPE) technology. This new bus physics ensures uninterrupted Ethernet communication and fulfills the needs of switchboard operations, while reducing wiring complexity with its thin, two-core cables. Communication in the withdrawable unit is enabled via just two wires.

Future-proof technology with reloadable and licensable functions

In the future, SIMOCODE M-CP can be adapted to different operational requirements by purchasing licenses that enable additional functions depending on the application. This reduces the need for purchasing and installing separate products and makes the system future-proof. One example is the integration of condition monitoring directly into the motor management system. This eliminates the need for separate sensors. Key parameters can now be monitored using the motor along with current and voltage measurement modules, simplifying the setup. By purchasing a license, users can activate the provision of data through SIMOCODE M-CP for advanced features for motor current signature analyses (MCSA) or the employment of AI for detecting anomalies and damages in motors and machines, streamlining the process and improving reliability.

Built-in sustainability

Besides using recycled materials for production and packaging, the high quality of the products pays off with a long service life.

With its multitude of diagnostic functions, SIMOCODE M-CP can help increase system availability and extend the service life of motors by providing early warnings in the event of irregularities. Long-term firmware updates also help ensure that SIMOCODE M-CP remains functional and up to date for years to come.

This press release as well as press pictures are available [here](#).

For more information on Siemens Smart Infrastructure, please see [Siemens Smart Infrastructure](#).

For more information on SIMOCODE, please see [here](#).

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Siemens Smart Infrastructure (SI) is shaping the market for intelligent, adaptive infrastructure for today and the future. It addresses the pressing challenges of urbanization and climate change by connecting energy systems, buildings, and industries. SI provides customers with a comprehensive end-to-end portfolio from a single source – with products, systems, solutions, and services from the point of power generation all the way to consumption. With an increasingly digitalized ecosystem, it helps customers thrive and communities progress while contributing toward protecting the planet. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2023, the business had around 75,000 employees worldwide.

Siemens AG (Berlin and Munich) is a leading technology company focused on industry, infrastructure, mobility, and healthcare. The company's purpose is to create technology to transform the everyday, for everyone. By combining the real and the digital worlds, Siemens empowers customers to accelerate their digital and sustainability transformations, making factories more efficient, cities more livable, and transportation more sustainable. Siemens also owns a majority stake in the publicly listed company, Siemens Healthineers, a leading global medical technology provider shaping the future of healthcare.

In fiscal 2023, which ended on September 30, 2023, the Siemens Group generated revenue of €74.9 billion and net income of €8.5 billion. As of September 30, 2023, the company employed around 305,000 people worldwide on the basis of continuing operations. Further information is available on the Internet at www.siemens.com.