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## Press Release

### electronica 2026

## Energy efficiency as a key topic in electronics

- **Major focus across all industries and areas of application**
- **The interaction of entire systems determines gains in efficiency**
- **Manufacturers are driving energy efficiency in electronics, automation and industrial applications**

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**Energy efficiency is not a new trend in the electronics industry. However, demands are growing, driven by rising electricity prices, regulatory pressure as well as the increasing need for energy-efficient components for systems, power electronics, and IoT devices. From November 10 to 13, 2026, the international electronics industry will gather at electronica to discuss the latest trends in energy efficiency.**

The debate over energy efficiency now encompasses the entire electronics value chain. It ranges from semiconductors, power supply and embedded systems to electromechanics and industrial connection technology. The question of how best to achieve energy efficiency is a recurring theme across nearly all application areas, from consumer electronics and automotive electronics to industrial systems and devices.

As the world's leading trade fair and conference for electronics, electronica brings together companies from across the entire value chain to discuss technical challenges and current trends in using energy efficiently. "Energy efficiency is becoming a key requirement for the electronics industry. At electronica, it's clear that efficient products are in demand today in virtually every sector—from electromechanics and automation to connected industrial applications," says Caroline Pannier, Exhibition Director for electronica.

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### **Energy costs are falling thanks to efficient electronics**

Recent studies show that energy efficiency is becoming increasingly important across various industries. In the automotive sector, the IEA's [Global EV Outlook 2026](#) shows that electric mobility continues to gain momentum: in 2025, more than 20 million electric cars were sold worldwide, meaning that roughly one in four new cars sold is already electric. As a result of this trend, the demand for energy-efficient electronics is growing—from power electronics and charging infrastructure to battery technology.

A [study](#) by Fraunhofer IZM shows that modern technologies are improving energy efficiency. Because of this, the energy requirements of mobile networks will increase only moderately in the coming years despite rising data volumes. Energy efficiency is also becoming a greater focus in other sectors, such as electronics manufacturing. [McKinsey](#) concludes that it is possible to reduce energy costs for semiconductor factories by 20 to 30 percent through efficiency measures.

### **Energy efficiency often stems from the system**

For the electronics industry, this means that energy efficiency is becoming a strategic factor both in the product itself and in the manufacturing process. This is particularly evident in the field of electromechanics. This field doesn't just deal with individual components, but also with the way connectors, housings, cable routing and interfaces interact with each other.

Low contact resistance, robust connection technology, EMC-compliant design and maintenance-friendly systems reduce losses, enhance operational reliability and simplify maintenance. The focus is therefore increasingly shifting toward the system as a whole, which has to be designed to be energy-efficient in order to conserve energy directly at the source.

### **electronica provides a platform for efficient electromechanics**

electronica covers the entire electronics value chain, which is the reason for the focus on electromechanics. Exhibitors such as Harting, Phoenix Contact and

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Weidmüller will be showcasing connectors, relays, switches and enclosure technology, among other products. Harting, for example, specializes in industrial connectivity solutions for the transmission of data, signals and power, and focuses on applications in the fields of electric mobility, renewable energy, automation and mechanical engineering.

Phoenix Contact also demonstrates that energy efficiency begins right at the electromechanical level, for example in connectors, terminals, enclosures, power supplies and interface solutions for electrification and automation. Weidmüller's product portfolio includes the likes of terminal blocks, connectors, PCB connectors and other components for the safe transmission of power, signals and data. Meanwhile, the distributor Arrow Electronics, together with its partners, focuses on electromechanical components and high-performance passive components, which are designed to improve energy storage and efficiency and reduce losses in applications such as electric mobility, renewable energy systems and industrial automation.

This clearly demonstrates that any visitors looking for energy efficiency at electronica will find it not only in semiconductors and power electronics, but also in the field of electromechanics.

At electronica 2026, around 3,500 exhibitors from some 60 countries will showcase their latest solutions for the All Electric Society. Topics such as energy efficiency, automation and the circular economy will also be addressed in the supporting program and in the forums, where participants will discuss technological developments, regulatory issues and sustainable concepts for the future.

You can find this press release for download including press pictures at the [electronica newsroom](#).

#### **About electronica**

electronica is the most important international meeting place for the electronics industry. As the world's leading trade fair, it presents the entire spectrum of technologies, products and solutions in

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electronics and brings together experts and users from all over the world. The extensive supporting program with top-class conferences and practice-oriented forums provides deep insights into the latest trends from research to application and addresses current social issues. The next electronica will take place from November 10 to 13, 2026 at the Messe München Exhibition Center.

#### **electronica worldwide**

In addition to electronica, Messe München organizes electronica China, electronica South China, electronica India North and South, the SmartCards Expo and electronicAsia. The network of electronics trade fairs also includes productronica in Munich, productronica China, productronica South China, productronica India North and South, and LOPEC.

#### **Messe München**

As one of the leading trade fair organizers, Messe München presents the world of tomorrow at around 90 trade fairs worldwide. The portfolio comprises trade fairs for capital and consumer goods, as well as for new technologies. This includes 14 world-leading trade fairs such as bauma, BAU, IFAT, and electronica, cooperation events such as IAA MOBILITY, and numerous guest events. With an international network of affiliated companies and foreign representatives, Messe München is active worldwide. Together with its 1,200 employees in the group, it organizes trade fairs in China, India, Brazil, South Africa, Turkey, Singapore, Vietnam, Hong Kong, Thailand, the USA, and Saudi Arabia. Around 150 events per year attract over 50,000 exhibitors and around three million visitors in Germany and abroad. This makes Messe München an important economic engine that generates billions in purchasing power.