

Siemens EcoTech product label – a new standard for transparency

- **The Siemens EcoTech product label enables industrial and infrastructure customers to advance their sustainability goals based on solid information**
- **Products with the Siemens EcoTech label have a detailed profile with industry-leading transparency**
- **The new label makes it possible to directly compare a product's sustainability credentials with the market standard and predecessor products**

Siemens EcoTech provides an overview of the environmental performance of products based on transparent product data provided via the Siemens EcoTech Profile (SEP). The Siemens EcoTech product label provides customers with the product information they need to make informed decisions that support their sustainability goals. By doing so, the company is focusing on the sustainability and transparency of its products.

Products carrying the label have been assessed against a set of eco-design criteria in three key areas: sustainable materials, optimal use, and value recovery and circular economy. The eco-design criteria cover a wide range of areas, including the use of low-carbon materials, the use of more sustainable packaging methods, energy efficiency, longevity, circular economy considerations, and recyclability. The detailed evaluation based on the criteria catalog forms the basis for the Siemens EcoTech Profile (SEP) – a data sheet that provides an overview and comparability of a product's environmental performance in areas such as materials, design, use phase, and end of life. Siemens offers more data transparency than any other company in the industry.

In addition, all Siemens EcoTech products are now manufactured in production facilities that are powered 100 percent by electricity from renewable sources. This contributes to the company's overall goal of achieving a net-zero carbon footprint for its production facilities and buildings by 2030.

The label will be introduced gradually. The first product families with the Siemens EcoTech label were presented at Light & Building. At the Hannover Messe, the company will present additional product families that meet the strict criteria. A total of 33 product families from the industrial and infrastructure portfolio currently feature the Siemens EcoTech label and profile. At Hannover Messe 2024, the company will use five selected products to showcase Siemens EcoTech. These include products from the infrastructure portfolio, such as the SIRIUS 3RW5 Soft Starter and 8DJH 24 - Blue GIS, as well as the industrial products SIMATIC S7-1500 CPU, SINAMICS G220, and the Scalance XC108 Industrial Ethernet Switch.

For example, the total weight of the Scalance XC108 Industrial Ethernet Switch has been reduced by 35% compared to its predecessor thanks to the intelligent use of materials. In addition, the extended ambient temperature range of -40 °C to +70 °C has reduced energy consumption during operation by 10% and has increased the expected service life. This has in turn reduced the heating energy requirement for control cabinets. For example, the newly implemented motor control functions of the Sinamics G220 increase the efficiency of the entire drive train by enabling the highly efficient use of motors and by reducing motor losses by as much as 15 percent. The Sinamics G220 frequency converter is also an integral part of the TIA Portal, which is why the converters have a digital twin in Startdrive, the commissioning tool for drives. This means it can be commissioned virtually, which reduces the time required and therefore the energy consumption during the commissioning phase by up to 50 percent. The mechanical vibration tests carried out on Sinamics G220 are performed with test parameters (28Hz-200 Hz, 1g) that exceed IEC 61800-5-1. The frequency converter therefore has excellent resistance to mechanical vibrations, making it a durable and sustainable industrial product.

Siemens EcoTech is the next milestone in the company's long-standing commitment to minimizing the environmental footprint of its own operations and products and supporting the digital and sustainable transformation of its customers. Building on the environmental portfolio launched in 2008, the systematic integration of ecological design principles with the Siemens Robust Eco Design approach from 2020, and the DEGREE framework launched in 2021 – which provides a 360-degree approach to key sustainability values with clear targets in the areas of decarbonization, ethics, governance, resource efficiency, diversity, inclusion and community, and employee empowerment – Siemens remains at the forefront of sustainability. More than 90

percent of Siemens' business today makes it possible for Siemens customers to have a positive impact on sustainability. In addition, customers were able to avoid around 190 million tons of CO₂ emissions with the help of Siemens technologies sold in fiscal 2023.



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For further information please see <https://www.siemens.de/SiemensEcoTech>

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Siemens AG (Berlin and Munich) is a leading technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare.

In fiscal 2023, which ended on September 30, 2023, the Siemens Group generated revenue of €77.8 billion and net income of €8.5 billion. As of September 30, 2023, the company employed around 320,000 people worldwide. Further information is available on the Internet at www.siemens.com.