

Siemens honors the best Inventors of the Year 2023

- **The inventions focus on artificial intelligence and sustainability**
- **€6.2 billion invested in research and development**
- **5,383 Siemens inventions in fiscal 2023, amounting to around 24 inventions per workday**

Each year, Siemens presents the Inventors of the Year award to outstanding inventors in six categories: Newcomers, Open Innovation, Outstanding Invention, Lifetime Achievement, Design and User Experience and the recently added PhD Award. In addition to helping explain artificial intelligence (AI), the prize-winning inventions also make power grids more sustainable, railcar axles more stable and charging stations for electric vehicles more universal. The 2023 award was presented today to twelve Inventors of the Year from the U.S., the UK, China, India, Kazakhstan and Germany. You can find all award-winning inventions and the people behind them at: www.siemens.com/inventors.

“Our innovations are our strength and the best way to predict the future of Siemens,” said Peter Körte, Chief Technology Officer at Siemens. “We firmly believe that AI has the potential to revolutionize our work and the way we manufacture products. We already play a leading role in generating industrial artificial intelligence. The AI we create is responsible, comprehensible and trustworthy.”

From artificial intelligence to the world’s smartest university campus

The inventions being honored, for example, help explain artificial intelligence. Because processes that use machine learning often seem like a black box: They supply answers to questions, but don’t explain how they obtained their results. But in many applications it’s important for people to understand how a conclusion was reached.

Another award honored the use of AI in configuring complex factory automation solutions. Swathi Shyam Sunder developed an AI system which helps derive context-aware recommendations from historical data on product configurations and from facts relating to products and components. This system makes the design process easier and faster. Siemens is already using this development in its factory automation business.

The University of Birmingham plans to build the world's smartest university campus. It's one of the largest universities in the United Kingdom, with around 36,000 students and 8,500 employees. Research, teaching and learning take place in more than 200 buildings, covering a range of historic and modern spaces. The university employs a combination of sensor technology, simulation and artificial intelligence to research ways to use buildings and individual spaces, then derives optimization approaches from the results.

The 12 award-winning inventors are part of a strong team: People working at Siemens came up with 5,383 inventions in fiscal 2023, which is 16 percent more than in fiscal 2022 and amounts to around 24 inventions per workday. Siemens holds a total of more than 46,500 patent grants worldwide. Since the European Unitary Patent was launched in June 2023, the European Patent Office has received over 12,000 applications for this type of patent – the majority of which came from Siemens. The company invested approximately €6.2 billion in research and development, an increase of nearly 11 percent year-over-year. More than 51,000 people work in research and development at Siemens.

This press release can be found at <https://sie.ag/2j4cxM>
More information on the Inventor of the Year award is available at www.siemens.com/inventors

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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.