

Green Innovation Report

Siemens Energy AG - 2024

ISIN: DE000ENER6Y0, **Ticker:** ENR, **Country:** DE, **Sector:** Heavy Electrical Equipment

This report evaluates the green innovation activities of the company over the past decade, based on inventions published in green technology areas defined by the [IPC Green Inventory](#). This inventory, established by the World Intellectual Property Organization, identifies technologies aligned with the United Nations' definition of Environmentally Sound Technologies. These innovations contribute to mitigating humanity's impact on climate change in support of the Sustainable Development Goals.

Innovation Metrics

Invention Count (last 12 months)

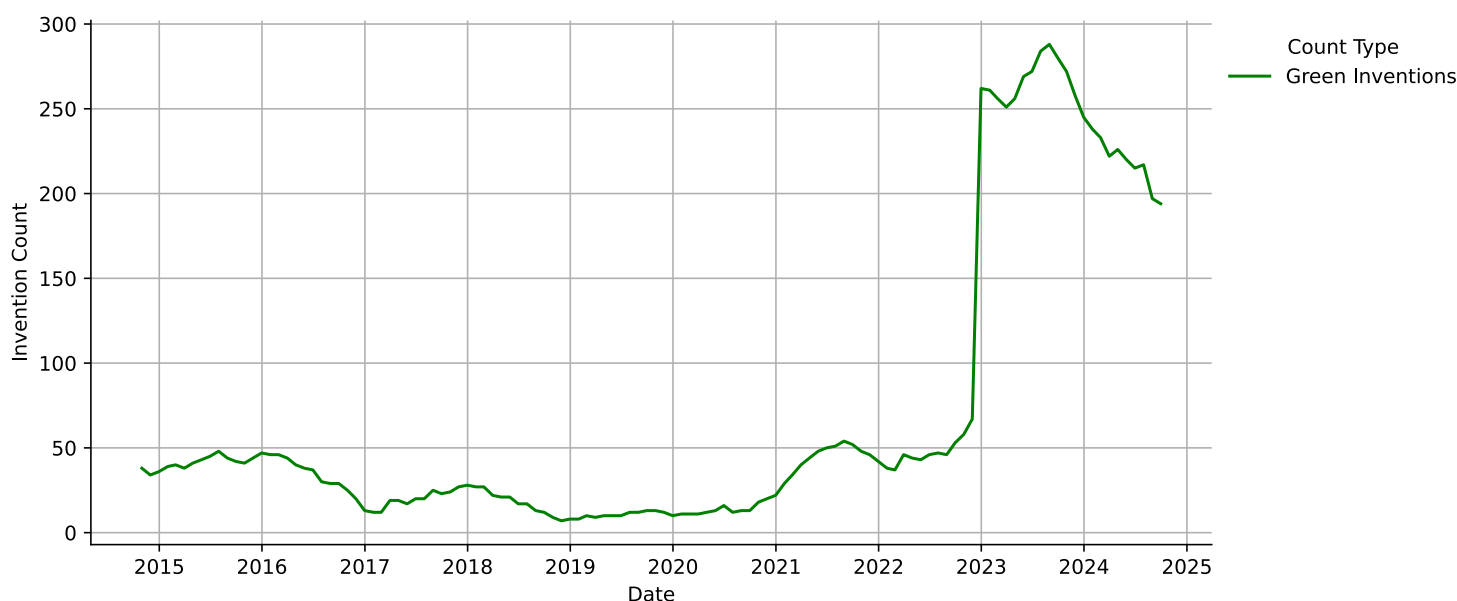
375 Inventions

Green Invention Count (last 12 months)

194 Green Inventions

Each invention reflects a substantial investment of R&D and legal resources. Consequently, green inventions provide a reliable and high-integrity metric for measuring a company's innovation efforts in green technologies and sustainability.

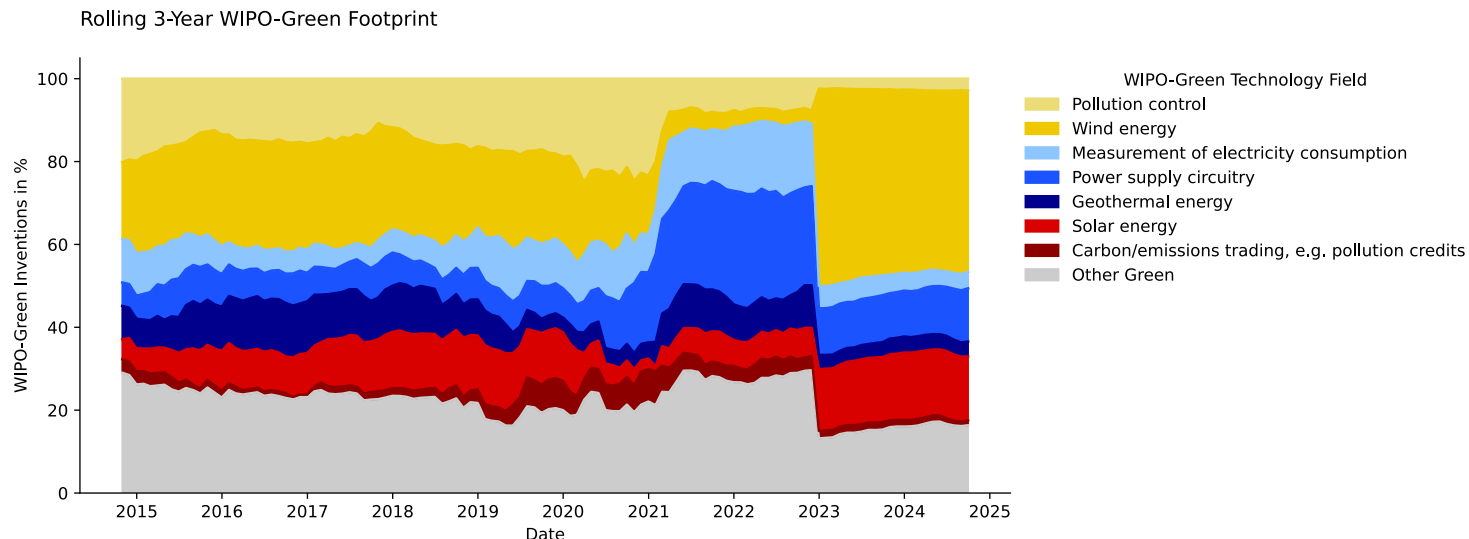
Rolling 1-Year Invention Count



The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

Green Technology Footprint

The graph below showcases the temporal distribution of the company's green innovation activity across technology fields listed in the IPC Green Inventory. This distribution highlights the green technology footprint and its evolution as part of the company's innovation strategy.



The table below provides a quantitative analysis of the growth and significance of the company's key green technology fields. For each field, the most frequently appearing keywords in recent inventions offer valuable insights into the company's green innovation activities.

WIPO-Green Technology Field	Absolute Growth (3y)	Percentage of Green Inventions (3y)	Keywords (3y)
Wind energy	487	43.8%	wind turbine, wind turbine blade, rotor blade, wind turbine rotor, turbine rotor blade
Solar energy	172	15.5%	solar power plant, hydrogen burner, turbine power plant, thermal energy storage, thermal energy
Power supply circuitry	143	12.8%	electrolysis plant, wind turbine, wind power plant, power plant, energy supply
Measurement of electricity consumption	44	4.0%	high voltage, wind turbine, power grid, electric current, power converter
Geothermal energy	40	3.6%	thermal energy storage, steam turbine plant, power plant, waste heat steam, storage power station
Pollution control	32	2.9%	carbon dioxide, wind energy, wet air oxidation, water treatment, tube heat exchanger

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