

Green Innovation Report

Schaeffler AG - 2024

ISIN: DE000SHA0019, **Ticker:** SHA, **Country:** DE, **Sector:** Automotive Parts & 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)

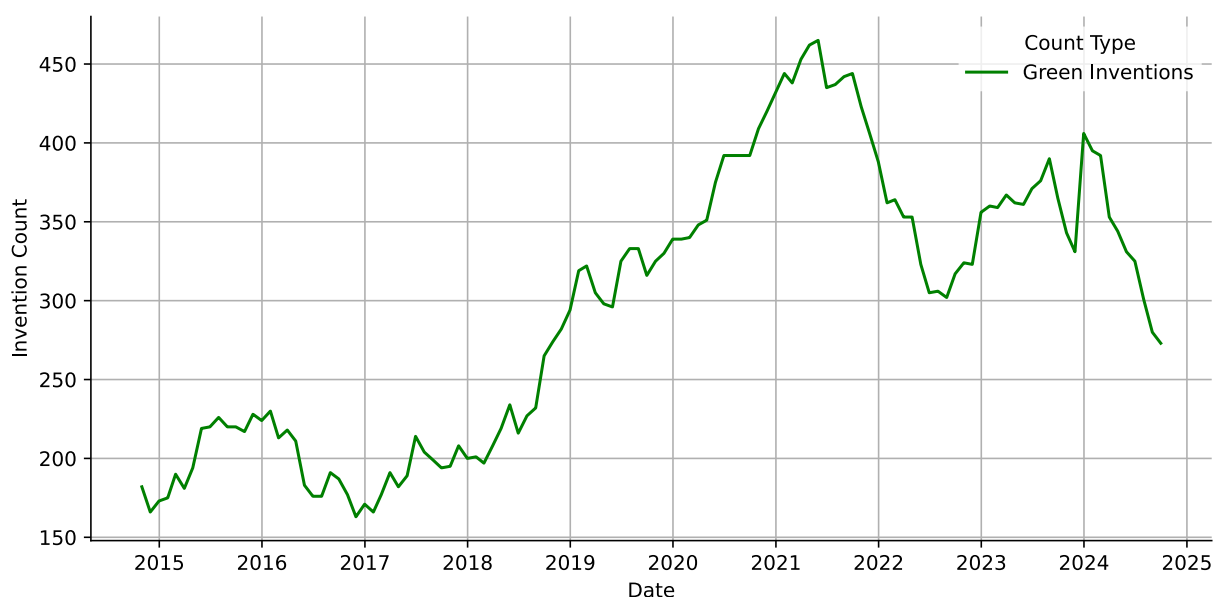
1500 Inventions

Green Invention Count (last 12 months)

273 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.

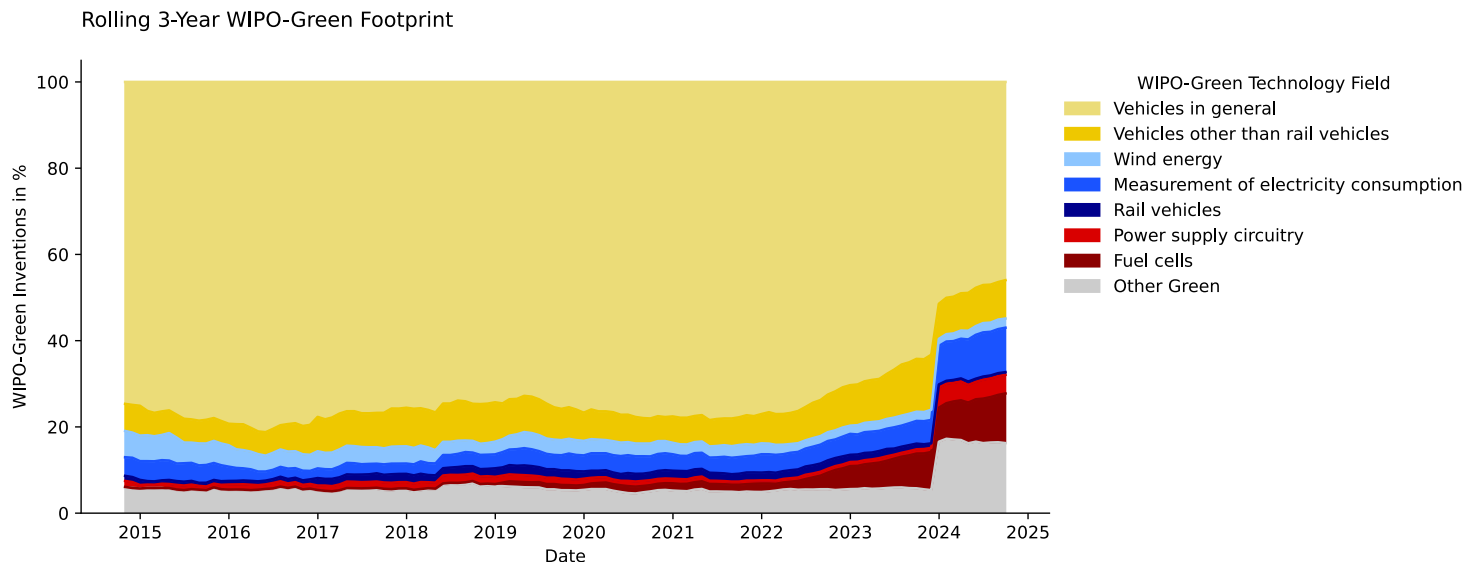
Rolling 1-Year Invention Count



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)
Vehicles in general	651	46.0%	hybrid module, motor vehicle, drive train, hybrid transmission, hybrid vehicle
Fuel cells	163	11.5%	fuel cell, bipolar plate, electrochemical cell, redox flow cell, fuel cell stack
Measurement of electricity consumption	146	10.3%	motor vehicle, electric vehicle, electric machine, control unit, board electrical
Vehicles other than rail vehicles	126	8.9%	drive arrangement, eccentric gear, human powered vehicle, drive module, generator module
Power supply circuitry	61	4.3%	voltage zone, rail welding machine, mobile flash rail, high voltage, flash rail welding
Wind energy	30	2.1%	wind turbine, planetary gear mechanism, generator module, wind power, stator assembly
Rail vehicles	9	0.6%	axle box, brake disc, wireless sensor wheel, wheelset bearing, vehicle linear guide

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