

Green Innovation Report

Arkema S.A. - 2024

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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)

222 Inventions

Green Invention Count (last 12 months)

42 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

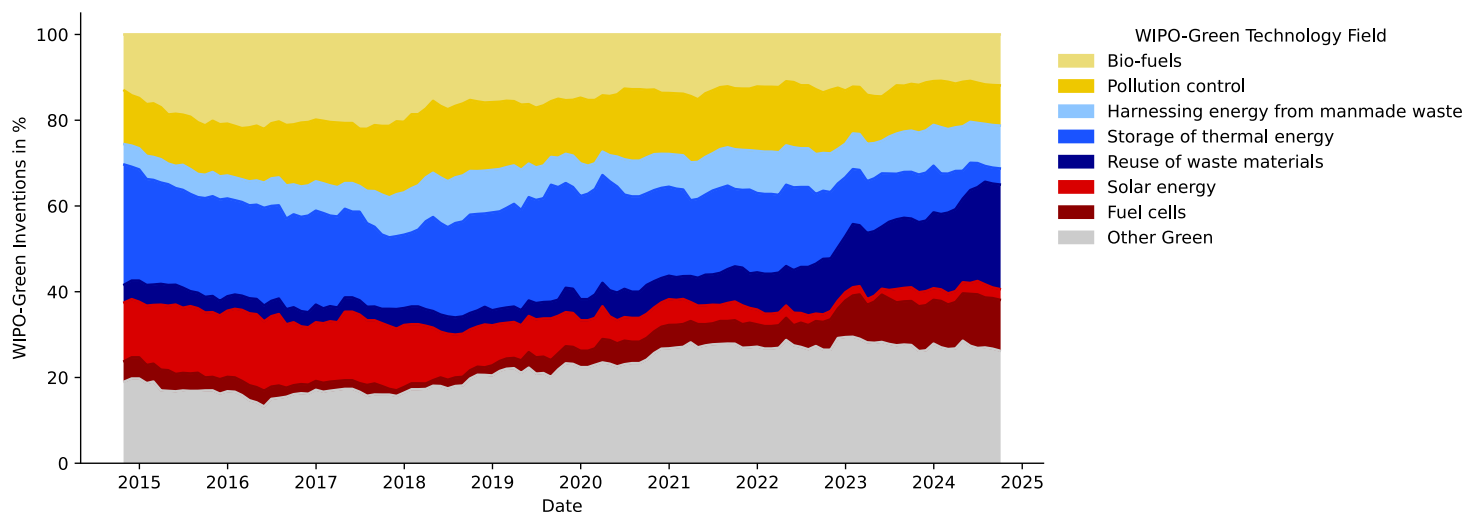


The graph above illustrates the number of green inventions published by the company over the past decade. Data is presented monthly, with each point representing the total green invention count for the preceding 12 months.

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.

Rolling 3-Year WIPO-Green Footprint



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)
Reuse of waste materials	39	24.4%	recycled polyamide, single material object, single layer tubular, shore oil, recyclable single material
Bio-fuels	19	11.9%	purity butyl acrylate, high purity butyl, improved process, type ii photoinitiators, thixotropic composition
Fuel cells	19	11.9%	proton exchange membrane, polyamide composition, liquid formulation, hydrogen storage, tubular structure
Harnessing energy from manmade waste	16	10.0%	recyclable multilayer structure, fluid storage application, face piece respirator, aliphatic polyamide
Pollution control	15	9.4%	solid desiccant resistant, safer solvent, pvdf uf membrane, protective coating, porous block article
Storage of thermal energy	6	3.8%	thermal regulation, tetrafluoroprop 1-ene, liquid composition, heat transfer composition, heat transfer application
Solar energy	4	2.5%	peroxide formulation, multilayer structure, curable composition, anti scorch property, adhesive property

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