ARKEMA

Arkema today

"Be a Specialty Materials leader, offering the most innovative and sustainable solutions to address our customers' current and future challenges".

By 2024, Arkema will be a pure Specialty Materials player.

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Our world is facing a wave of change

As a major player in Specialty Materials, we are ideally positioned to help lead it.

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We ride together



The products, the people, the partners and the passion – this is what unites us at Arkema.

Together, we put our materials and expertise to make a more sustainable world for everyone.

The materials in our lives will be a force for progress

Our materials have a **critical role** to play, they will be:

lighter, more efficient, more versatile, more sustainable.



They will help us work smarter, play better, live more responsibly



Clean mobility

Our solutions:

- Lightweighting
- Durability
- Batteries & hydrogen



Urbanization

Our solutions:

- Thermal & acoustic insulation
- Energy efficiency
- Living comfort



Environment

Our solutions:

- Wind & solar
- Water treatment
- Renewable resources



Industry 4.0

Our solutions:

- 3D printing
- Miniaturization
- Smart devices



Lifestyle

Our solutions:

- Personalized designs
- Performance
- Sustainability

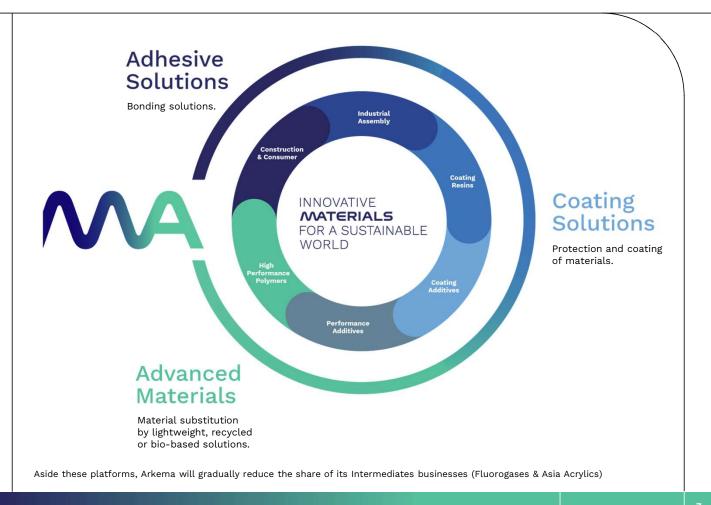
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6

Arkema's positioning is unique

We offer a distinctive range of solutions thanks to the wide scope of technologies and the diversity of our product lines.
Our 3 segments are intimately connected to each other.



ARKEMA

Accelerating in new energies and clean mobility



ELIUM® & RILSAN®

Recyclable thermoplastic resins and advanced materials for hydrogen tanks.

ELIUM®

Thermoplastic resin for first wind turbine blades made of 100% recyclable composites.

CRAYVALLAC®

Bio-renewable additives for wind blades and battery adhesives.

SARTOMER®

Performance reactive diluents enabling reducing VOCs of composite/gelcoats systems.

* VOC: volatile organic compounds

KYNAR®

PVDF resin to improve power, autonomy and durability of rechargeable batteries in electric cars, buses and trucks.

Fluoropolymer film to protect back sheet of solar panels.

LUPEROX®

Organic peroxide initiation and cross linking of EVA (Ethylene vinyl acetate) films for solar modules.

CLEARSTRENGTH®

Toughening additives to improve performance and durability of wind mill blades systems.

.

Managing natural resources and promoting circular economy





Post industrial or postconsumer recovery and regeneration of our biosourced materials (Rilsan® PA11) or thermoplastic materials (Kynar® PVDF).



ALBONE®

Hydrogen peroxide for odor annoyance management in wastewater treatment plants, without any toxic by-products nor additional sludge production.



M-RESINS[™] & BOSTIK SF10M

A pressure sensitive adhesive enabling resealable packaging and a laminating adhesive, both used for food packaging, suitable for recycling in a polyethylene film stream (approved by independent body Recyclass).



OPALE™ SOLUTIONS

A unique additive technology enabling a more sustainable and efficient metal ore processing to address the increasing demand in metals for the new energies and electronics markets.



RILSAN® FINE POWDERS

100% bio-sourced coating for long-term protection of water pipes against abrasion and corrosion.



KERCOAT® OPTICOAT®

Glass coatings to extend the service life of returnable bottles.



KYNAR®

PVDF resin to manufacture ultrafiltration membranes for producing drinking water, barrier to particles as small as bacteria and viruses.

Building eco-sustainable homes

SYNAQUA®

USDA* certified bio-based alkyd resin for solvent-free and odorless paint.

* USDA: US department of Agriculture

BOSTIK

First thermal insulating levelling compound -15% heat loss.

SILIPORITE®

Molecular sieves to trap moisture in double glazing.

CERTINCOAT®

Interior window coating = 30% saving in heating.

PUREFIX BY BOSTIK

Solvent-free and phthalate-free invisible fastening sealant, to bond, plug or achieve thorough seal, with no emissions harmful to healthving in energy cost of air conditioning effect.

KYNAR AQUATEC®

PVDF resin used as a binder for topcoat, to protect exterior paints over 20 years, and able to reflect UV, and therefore saving 25 to 30% energy in air conditioning.

ENCOR®

Acrylic emulsions for liquid-applied membranes for "cool" white roofs, with excellent flexibility, water and dirt resistance, reflectivity and durability.

RHEOTECH™ COAPUR™

Rheology and specialty additives for more sustainable waterborne coatings and adhesives, with low carbon footprint and bio-renewable based feedstock.



Creating lightweight innovations



BOSTIK SMP

Solvent-free, isocyanate-free sealants for windshield, for enhanced flexibility, seal and UV-resistance.

RILSAN

High-performance polyamide for engine parts 6x lighter than steel and capable of withstanding high temperatures.

KEPSTAN®

PEKK material with outstanding sturdiness for the manufacture of aircraft structural parts.

RILSAN®

Custom 3D-printed helmets made from 100% bio-based polyamide 11.



NBXTDIMENSION®

UV-curable resins for 3D printing of complex geometry parts.



ELIUM®

Resin for lightweight and recyclable composite parts.

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- 11

Improving daily comfort and lifestyle for all



FIX&FLASH BY BOSTIK

First extra strength glue that hardens thanks to light!

SARTOMER®

Resins for low VOC* UV adhesives optimizing signal transmission in touch screen panels.

* VOC: volatile organic compounds



RILSAN®

Transparent polyamide for eyewear frames and smartphones: bio-sourced and 20% lighter than polycarbonate.

REAFREE®

No VOC powder coating resins enabling super durability.



VALSTERANE®

High-purity solutions for sanitizing food packaging.

SPERSIO*

60% biobased dispersants for performance paper and board coatings.



PEBAX®

Elastomer offering unique lightweight and flexibility combination for the soles of footwear.



SPOTLEAK®

Sulfur-based odorizer to make gas detectable.

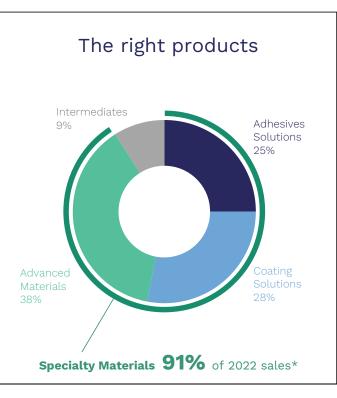


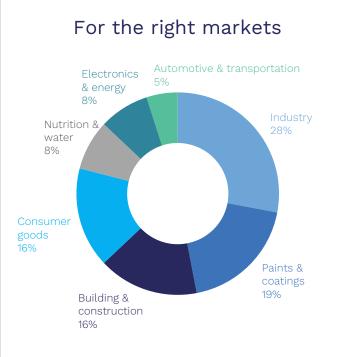
SENSIO™

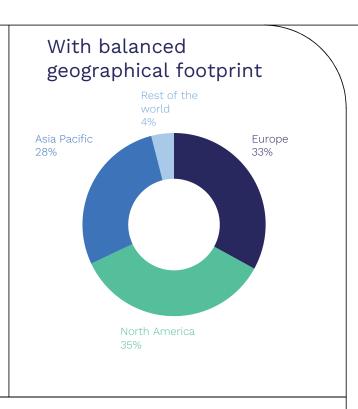
Bio-based surfactants, derived from castor oil for biodegradable detergents.

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We make the materials that make a difference







2022 sales:

€11.5_{bn}

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Levers that reinforce our success



Accelerating growth through bolt-on acquisitions.

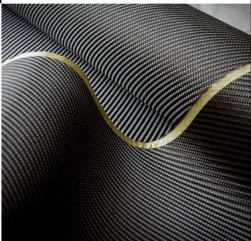


Achieving best-in-class CSR performance among chemical players.

Focusing innovation on sustainability.



Taking actionin commercial and operational excellence initiatives.



Our people make it happen



Diversity and inclusion 21,100 passionate employees across the globe



Rising talents 2,212 recruitments in **2022**



Committed to our 10,000 customers Collaborations with leading brands



Worldwide expertise **55** countries **148** plants 16 R&D centers

1,800 researchers

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Sustainable innovation is in our DNA

1,800

researchers.

60

R&D partnerships.

16

R&D centers in Europe, Asia and America.





+200

Patents filed in 2022 including more than 90% linked to sustainability.

2.3%

of company sales allocated in R&D.

1

incubator dedicated to disruptive innovations.

~15%

of sales from products launched within last 5 years.



Our 2030 objective*:

to generate

€1.5bn

Additional sales

vs €1.0bn previously announced, from our **5 innovation platforms**:

- Lightweight materials and design
- Electronic solutions
- New energies
- Living comfort & home efficiency
- Natural resources management

aligned with the megatrends.

* Compared with 2019.

Values that guide our ambitions



Simplicity

Performance

Solidarity

Empowerment

Inclusion

Sustainability isn't just a buzzword

For us, it's at the heart of our development.
We take concrete actions and measure our progress every step of the way.



We are committed to a sustainable future

We deliver sustainable solutions driven by innovation.

We manage our activities as a responsible manufacturer.

We cultivate our position as an employer of choice and maintain an open dialog and close relations with our stakeholders.

Responsible product stewardship

Solutions addressing social challenges provided by 5 innovation platforms:

- New energies
- Natural resources management
- Living comfort & home efficiency
- Lightweight materials & design
- Electronics solutions





- Health & safety of people
- Safety of processes
- Environmental footprint reduction
- Resources management
- Climate
- Biodiversity



- Human rights
- Diversity & inclusion
- Employee development
- Quality of life at work
- Responsible value chain
- Corporate citizenship



We take action for the climate and the environment

Safety

To be among the best in the industry.

→ 2030 safety targets

People*

Processes*

0.8

2.0

Reduce injury frequency

Reduce processevent frequency rate.

→ 2022 performance

People

Processes

0.9 2.8

* Number of accidents or process events per million work hours.





Climate

Keeping global warming in line with the Paris Agreement.

→ 2030 target

Emissions

-48.5% reduction in GHG emissions from scopes 1 & 2

-54% reduction in GHG emissions from scope 3

- vs 2019

→ 2022 performance

-16% reduction in GHG emissions from scopes 1 & 2 vs 2021

-15% reduction in GHG emissions from scope 3 vs 2021

Environment

Further reduce the environmental footprint of the Group's activities.

\rightarrow 2030 targets

AIR

WATER

ENERGY

-65%

-60%

-25%

vs 2012 In intensity of emissions from Volatile Organic

Compounds (VOC).

vs 2012 In intensity from Chemical Oxygen Demand (COD). vs 2012 In intensity from net energy purchase.

→ 2022 performance

AIR -47% WATER

ENERGY

-58% -13%



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* Absolute emissions = emissions directly linked to production and indirectly linked to energy purchasing (Scope 1 & 2) and those of substances that deplete the ozone layer.

Real actions, concrete results

Five innovation and research platforms

Circular economy **Archimedes** program

In 2022, more than

A sustainable resource management

Life Cycle Assessment target

In 2022 2024 target

41% 50%

of our sales covered by a Life Cycle Assessment.

Moving toward higher positive impact

ImpACT+ target

In 2022*

2030 target

53%

65%

51% in 2021

of our sales significantly contributing to UN's SDGs.

- New energies
- Natural resources management
- Living comfort & home efficiency
- Lightweight materials & design
- Electronics solutions

Zebra Partnership

Zero-waste blade research: creation of the first 100% recyclable wind-turbine blade (based on Elium® resin).



Recycling service for post industrial and post consumer materials associated with Arkema and client activities (Rilsan® PA11 and Kynar® PVDF).

* Portfolio Sustainability Assessment based on 86% of sales assessed in 2022 (excl. Ashland adhesives) and 85% in 2021.



We engage with our employees

Diversity and development of employees

Diversity and gender equality

 $\rightarrow 2022$

→ 2030 target

Engagement

of employees actively engaged and confident in the development of the Group.

2023 Top Employer in 4 countries.

Share of women *

26%

30%

Share of non-French *

50%

* Employees in senior management and executive positions.



Engagement, philanthropy, and Common Ground® initiatives

Philanthropy and patronage

- Financing of educational and job insertion projects through sport or culture (Sport dans la Ville, Science Teacher program in the US, ChemArt Green Innovation in China, etc.).
- · Arkema Fund for Education.

Community relations and local outreach

Every year,

~80%

of our industrial sites carried out 1,000 local actions.



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We engage with our supply chain



Implementing the Together for Sustainability* join initiative.

+1,700

suppliers assessed by the end of 2021.

2021 performance 2025 target

71% 80%

purchasing spend of relevant suppliers** covered by TfS assessment..



* TfS (Together for Sustainability) aims to develop societal responsibility throughout the chemical industry service chain.

** Recurring suppliers accounting for 80% of purchases amount.

Pragati initiative:

training castor oil farmers in India.

Castor oil is used in numerous Arkema products, including our 100% bio-based Rilsan® polymer.

End of 2022

+6,200 farmers trained, audited and certified in 80 villages in Notrh Gujarat.

ARKEMA

Recognized sustainability performance

Member of

Dow Jones Sustainability Indices

Powered by the S&P Global CSA

- → Joined the DJSI World and DJSI Europe indices since 2020. "Chemicals" category
- → 3rd place of DJSI World in 2022.

The Dow Jones Sustainability indices (DJSI) reward companies with the best performances in terms of sustainability.

CAC 40[®] ESG

Included in a new Euronext index since 2021.



A grade since 2017.





In 2022, **B** for Climate change.

Moody's ESG

Top percentile all sectors combined. Score: **69**

ISS ESG ▷

October 2022: 1st decile (global).

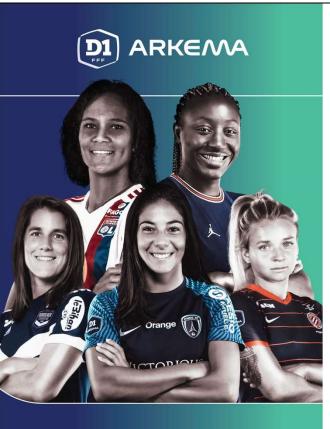
ecovadis

Among top 3% of the sector's best rated companies.



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Sponsorship: a common eagerness for challenges



Arkema associates its name with the Women's Football D1 to promote the development of women's soccer and the place of women in sport and in business.



ARKEMA



Wheelchair tennis, paratriathlon, or women's football: we are proud to support four high-level athletes engaged in very different sports, but with whom we share the same values.

Solidarity, performance, simplicity, accountability and inclusion: each in their own way, the athletes we support as sponsor embody and bring to life these values that drive us on a daily basis.

arkema.com ARKEMA

ARKEMA SPORT

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PARTENAIRE DE LA D1 ARKEMA DEPUIS 2019

24

And a strong, passionate brand ready to lead the wave of change!



Thank you

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