

ARKEMA, A LEADER IN SPECIALTY MATERIALS

2021 CORPORATE PRESENTATION

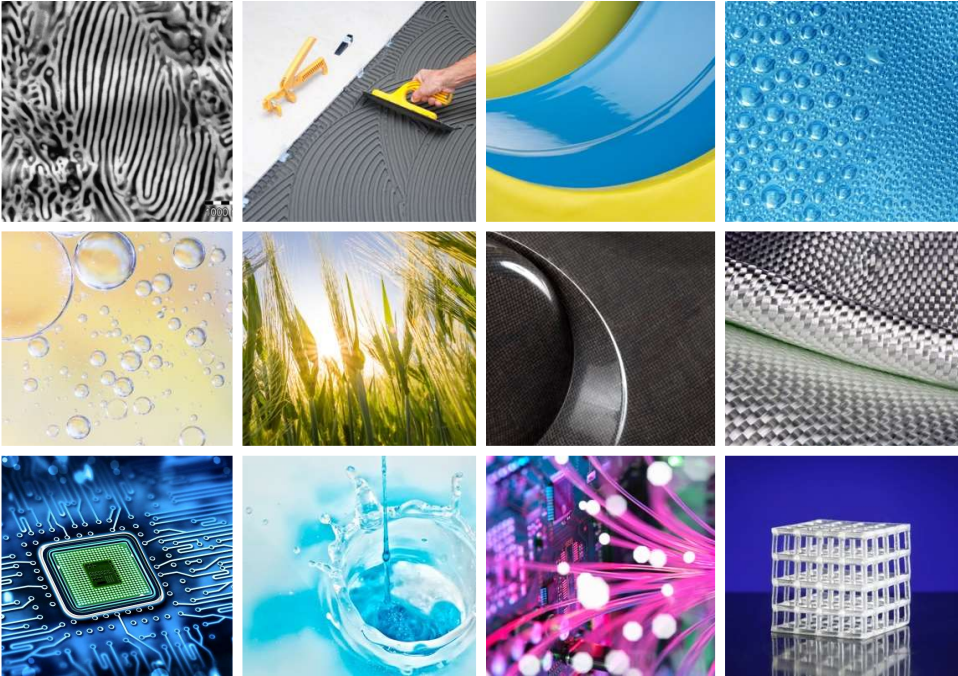


ARKEMA
INNOVATIVE CHEMISTRY



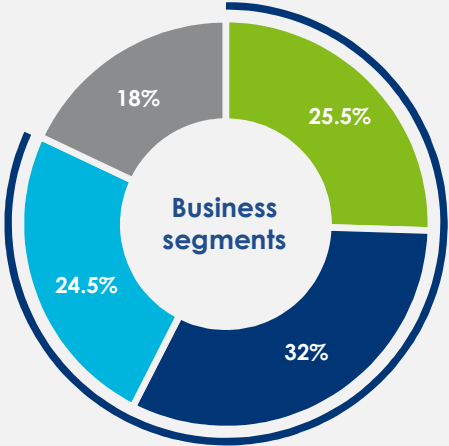
OUR VISION:
TO BE A GLOBAL LEADER IN
SPECIALTY MATERIALS,
OFFERING THE MOST
INNOVATIVE
AND SUSTAINABLE
SOLUTIONS
TO MEET OUR
CUSTOMERS' NEEDS,
TODAY AND TOMORROW

A UNIQUE POOL OF KNOW-HOW IN SUSTAINABLE MATERIALS



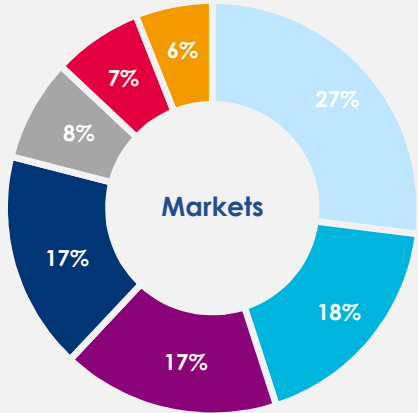
ARKEMA TODAY

2020 SALES: €7.9 BN

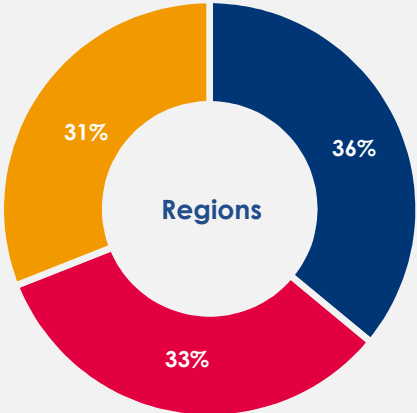


82%* Specialty Materials

- Adhesive Solutions
- Coating Solutions
- Advanced Materials
- Intermediates



- Industry
- Consumer Goods
- Paints & Coatings
- Building & Construction
- Food & Water
- Automotive & Transportation
- Electronics & Energy



- Europe
- North America
- Asia and Rest of the World

* 89% on pro forma basis, including annual contribution of divestments/acquisitions announced in 2020

20,600

talents

11,300

in Europe

4,000

in North America

5,300

in Asia and the rest of the world



over
10,000
customers

Collaborations
with the leading
global brands

**WOMEN AND MEN
AT THE HEART OF OUR
DEVELOPMENT**

~1,300

new hires
in 2020



Presence in

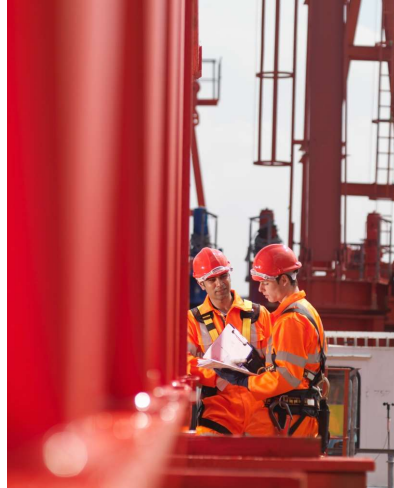
55
countries

147
plants

15
R&D centers

ARKEMA
INDUSTRIAL CHEMISTRY

OUR WORLD IS CHANGING FAST, ACCELERATING DEMAND FOR NEW MATERIALS



Future of mobility

Urbanization

Environment

Industry 4.0

Consumer demand



Lightweighting

Insulation

Wind, solar, hydrogen

3D printing

Personalized designs

Durability

Energy efficiency

Water treatment

Miniaturization

Performance

Batteries (energy storage)

Modular construction

Renewable resources

Smart devices

Sustainability



**OUR ENGINE:
INNOVATION**



STRONG R&D EXPERTISE AND COLLABORATIVE RESEARCH STRATEGY

- **1,600** researchers, **60** R&D partnerships
- **15** R&D centers on 3 continents (Europe, Americas and Asia)
- **203** patents filed in 2020,
78 % relating to sustainable development
- **3.1%** of Group sales allocated to R&D
Thanks to our sustainable innovations:
 - + €400 M of our sales by 2024
 - + €1 Bn of our sales by 2030
- **~15%** of sales concern products marketed in the last 5 years
- **1** incubator dedicated to breakthrough innovations

PIONEERING AND SUSTAINABLE SOLUTIONS FOR OUR CUSTOMERS



→ 5 INNOVATION AND RESEARCH PLATFORMS TO ADDRESS MARKET TRENDS AND ENVIRONMENTAL CHALLENGES



New energies

Develop materials for solar power, wind power, and electric batteries



Natural resources management

Solutions to preserve natural resources (biobased or recyclable solutions, circular economy, water management)



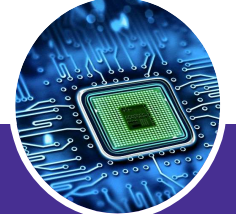
Home efficiency and insulation

Solutions to help reduce energy consumption of buildings



Lightweight materials

Advanced materials for composites and 3D Printing



Consumer electronics

Solutions to bring electronics within everyone's reach



DIVERSIFIED GROWTH MARKETS

 <p>Water management</p>	 <p>Paints & inks</p>	 <p>Adhesives & sealants</p>	 <p>Packaging</p>	
 <p>Agriculture & food industry</p>	 <p>Automotive, transportation & aerospace</p>	 <p>Renewable energy & energy storage</p>	 <p>Oil & gas</p>	 <p>Cooling & refrigeration</p>
 <p>Health, hygiene & beauty</p>	 <p>Building & construction</p>	 <p>Electrical & electronics</p>	 <p>Sports & leisure</p>	
 <p>Pulp & paper</p>	 <p>Chemical & plastic industry</p>	 <p>Mining & metallurgy</p>	 <p>Composites</p>	 <p>3D Printing</p>

STRONG SYNERGIC BUSINESS SEGMENTS ADDRESSING THE CHALLENGES OF AN EVER-CHANGING WORLD

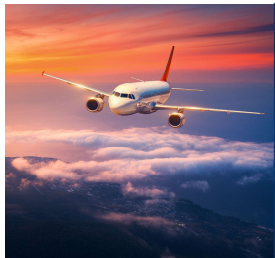
Key trends



Adhesive Solutions



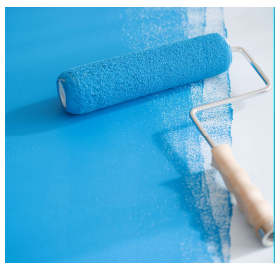
- **Population growth** and urbanization
- **Energy efficiency** and **insulation**
- **Lightweighting and substitution** of mechanical assembly



Advanced Materials



- **Renewable energy solutions** (wind, solar, etc.)
- **Lightweighting for transportation** (reducing energy consumption and CO₂ emissions)
- Access to **drinking water**
- **Recyclable** and **biobased** thermoplastics
- **3D printing**



Coating Solutions



- Shift to **more environmentally friendly** and low-VOC emission **solutions** (e.g. water based, powder, UV-cure, etc.)
- Increasing demand for **high-performance coatings** (greater weather resistance, fast drying, etc.)



A GROUP COMMITTED TO A MORE SUSTAINABLE WORLD

OUR CSR POLICY PLACES INNOVATION AT THE HEART OF AN AMBITIOUS SOCIETAL PROJECT



Deliver sustainable solutions driven by innovation

- Solutions addressing societal challenges
- Innovation at the heart of the activities
- Product stewardship



Manage our activities as a responsible chemical manufacturer

- Safety of people and processes
- Health
- Reduction of environmental footprint



Cultivate open dialog and close relations with our stakeholders

- Ethics
- Human rights
- Employee diversity and development
- Responsible value chain
- Corporate citizen

SUSTAINABLE DEVELOPMENT GOALS



OFFER SUSTAINABLE SOLUTIONS DRIVEN BY INNOVATION



5 INNOVATION AND RESEARCH PLATFORMS

- new energies
- natural resources management
- home efficiency and insulation
- lightweight materials
- solutions for consumer electronics



In 2020, 78% of the patents filed related to sustainable development

CIRCULAR ECONOMY



- 10% of sales in 2020 based on biobased products
- Intensification of partnerships to build circular flows
- Rollout of product Life Cycle Analysis (LCA)

* PSA: Portfolio Sustainability Assessment

** The quota of sales with a significant contribution to the SDGs (ImpACT+) is based on an assessment of 72% of sales to third parties of the Group in 2020, and 44% in 2018 and 2019

ARCHIMEDES program for assessing the sustainability of our portfolio (PSA*)

In 2020

- 72% of 2020 sales assessed
- 50%** of our sales ImpACT+, with significant contribution to SDGs

2030 target

- 65% of our sales ImpACT+



Virtucycle® program

Program for post-industrial and/or post-consumer recycling services involving Arkema and its customers who use our high performance materials (Rilsan® PA11 and Kynar® PVDF)



Partner in Zebra project

Zero waste blade research: manufacture of 1st 100% recyclable wind turbine blade (from Elium® resin)

TAKING ACTION FOR THE CLIMATE AND THE ENVIRONMENT

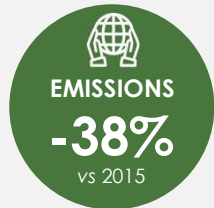


CLIMATE



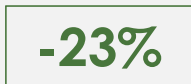
Climate plan
In line with the Paris Agreement, a commitment to keeping global warming to well below 2°C

2030 targets



≤ 2,950 kt equivalent CO₂ absolute greenhouse gas (GHG) emissions*

2020 performance



* Absolute emissions = direct emissions related to production + indirect emissions related to energy purchasing

ENVIRONMENT



Reduce the environmental footprint of the Group's activities

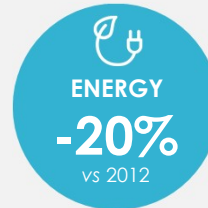
2030 targets



In intensity of volatile organic compound (VOC) emissions



In intensity of chemical oxygen demand (COD)



In intensity of net energy purchases

2020 performance

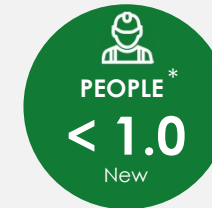


SAFETY



To be among **the best in the industry**

2025 safety targets



Target: Reduce injury frequency rate



Target: Reduce process event frequency rate

2020 performance



* Number of accidents or process events per million man-hours

SHARED VALUES AND SPECIAL RELATIONS WITH OUR STAKEHOLDERS



COLLABORATE FOR A RESPONSIBLE VALUE CHAIN



→ Supporting our suppliers

Rollout of global initiative **Together for Sustainability***

- Over **1,600** suppliers assessed by end 2020
59% of them had made progress when reassessed
- New strategic indicator:
80% of amount of purchases from relevant suppliers** assessed by 2025 (68% had been assessed by end 2020)

→ **Pragati:** global program for the sustainable cultivation of castor seeds in India

Castor oil is used in the manufacture of many Arkema products, in particular the Rilsan® 100% biosourced polymers

- By end 2020, + **4,600** farmers from 69 villages had received training
- Ambition by end 2022: + 7,000 farmers



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

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



CLOSE RELATIONS AND OPEN DIALOG WITH OUR STAKEHOLDERS



→ Diversity and development of employees

DIVERSITY AND GENDER EQUALITY



	2020	2030 target
▪ Quota of women*	23%	30%
▪ Quota of non-French*	41%	50%

ENGAGEMENT

80% of employees actively engaged and confident in the development of the Group

→ Engagement, philanthropy and patronage, and Common Ground® initiatives

PHILANTHROPY AND PATRONAGE

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

COMMUNITY RELATIONS AND LOCAL OUTREACH

- **78%** of industrial sites carried out local actions in 2020 (as many as in 2019)
- ~ 650 **Common Ground®** initiatives in 2020, despite the health crisis

* employees in senior management and executive positions

PERFORMANCE RECOGNIZED FOR SUSTAINABILITY

Member of

**Dow Jones
Sustainability Indices**

Powered by the S&P Global CSA

2020: **joined DJSI for 1st time**

6th place in the ranking

Dow Jones Sustainability Index World (DJSI)

Rewards companies with best sustainable development performance

Bronze Class award

Sustainable Yearbook 2021

Recognizes most successful companies in DJSI ranking



March 2021 : **Arkema joined Paris Bourse new index CAC[®] 40 ESG** listing the top 40 companies that have shown the best environmental, social and governance practice and performance in the CAC[®] Large 60



In 2020, achieved ratings
A- for **Climate change**
B for **Water security**

ecovadis

Arkema among **Top 1%** of the sector's best rated companies since 2015

Sustainability Performance: Advanced



Ranked in Europe 120 and Eurozone 120 indices since 2015

ISS ESG

Top decile (global) in June 2020



FTSE4Good

Renewed every year since joining in 2015

MSCI


A rating since 2017

SPONSORSHIP: A COMMON EAGERNESS FOR CHALLENGES



ARKEMA

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



ARKEMA
SAILING

Since 2013, Arkema has been present in the world of sailing, and sponsors Lalou Multi's team on the Ocean Fifty circuit: a technical and human partnership

Kepstan®

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

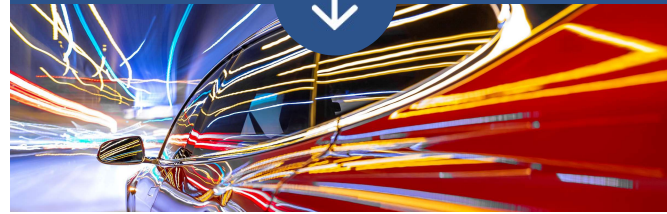


Rilsan® HT

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

Bostik SMP

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



N3xtDimension®

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



Rilsan®

Custom 3D-printed helmets made from 100% biobased polyamide 11



LIGHTWEIGHT MATERIALS AND DESIGN



Elium®

Resin for lightweight and recyclable composite parts



Siliporite®

Molecular sieves to trap moisture in double glazing

Certincoat®

Interior window coating = 30% saving in heating



Bostik

First thermal insulating levelling compound = -15% heat loss



BUILD ECO-SUSTAINABLE HOUSING

Synaqua®

97% biobased alkyd resin for solvent-free and odorless paint

Rheotech™

Acrylic thickener: prevents spattering, optimizes application properties and covering effect



Kynar Aquatec®

PVDF resin to protect exterior paint over 20 years = reflectivity of UVs = -15% to -30% saving in energy cost of air conditioning



Purefix by Bostik

Solvent-free and phthalate-free invisible fastening sealant, to bond, plug or achieve thorough seal, with no emissions harmful to health



Pebax®

Elastomer offering unique light weight and flexibility combination for the soles of footwear



Fix & Flash by Bostik

First extra strength glue that hardens thanks to light !



Rilsan® Clear

Polymer for eyewear and smartphones: biosourced and 20% lighter than polycarbonate

ENHANCE EVERYDAY COMFORT

Spotleak®

Sulfur-based odorizer to make gas detectable



Sensio™

Biobased surfactants, derived from castor oil, for biodegradable detergents

Valsterane®

High purity solutions for sanitizing food packaging



Elium®



First thermoplastic resin for wind turbine blades made of recyclable composites

Sartomer®

UV resins to protect these blades over the long term



Kynar®

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

DEVELOP NEW ENERGIES AND ENERGY STORAGE



**Elium®
& Rilsan® Matrix**

Thermoplastic resin and advanced material, recyclable, for hydrogen tanks



Kynar®

PVDF fluoropolymer film to protect back sheet of solar panels



Virtucycle® program

Post-industrial or post-consumer recovery and regeneration of our biosourced materials (Rilsan® PA11) or thermoplastic materials (Kynar® PVDF)



Rilsan® Fine Powders

100% biosourced coating for long-term protection of water pipes against abrasion and corrosion

Albone®



Hydrogen peroxide to remove sewage sludge from industrial wastewater without any toxic by-product



MANAGE NATURAL RESOURCES

Kynar®



PVDF resin to manufacture ultra-filtration membranes for producing drinking water = barrier to particles as small as bacteria and viruses!



Kercoat® & Opticoat®

Glass coatings to extend the service life of returnable bottles