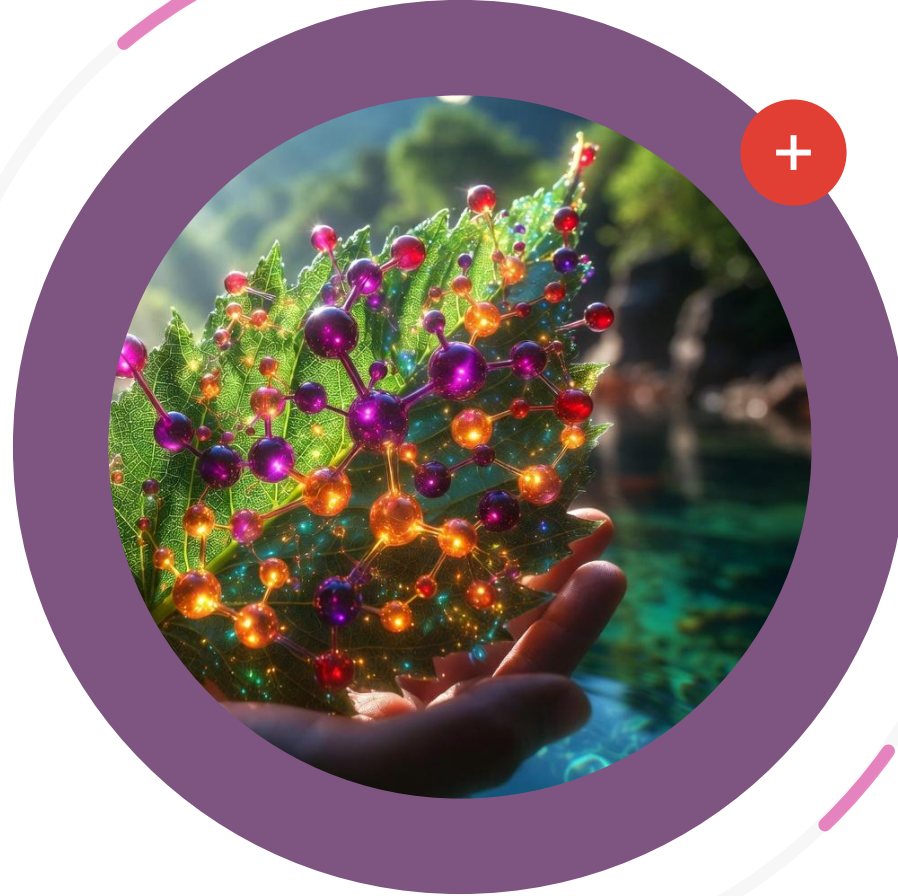
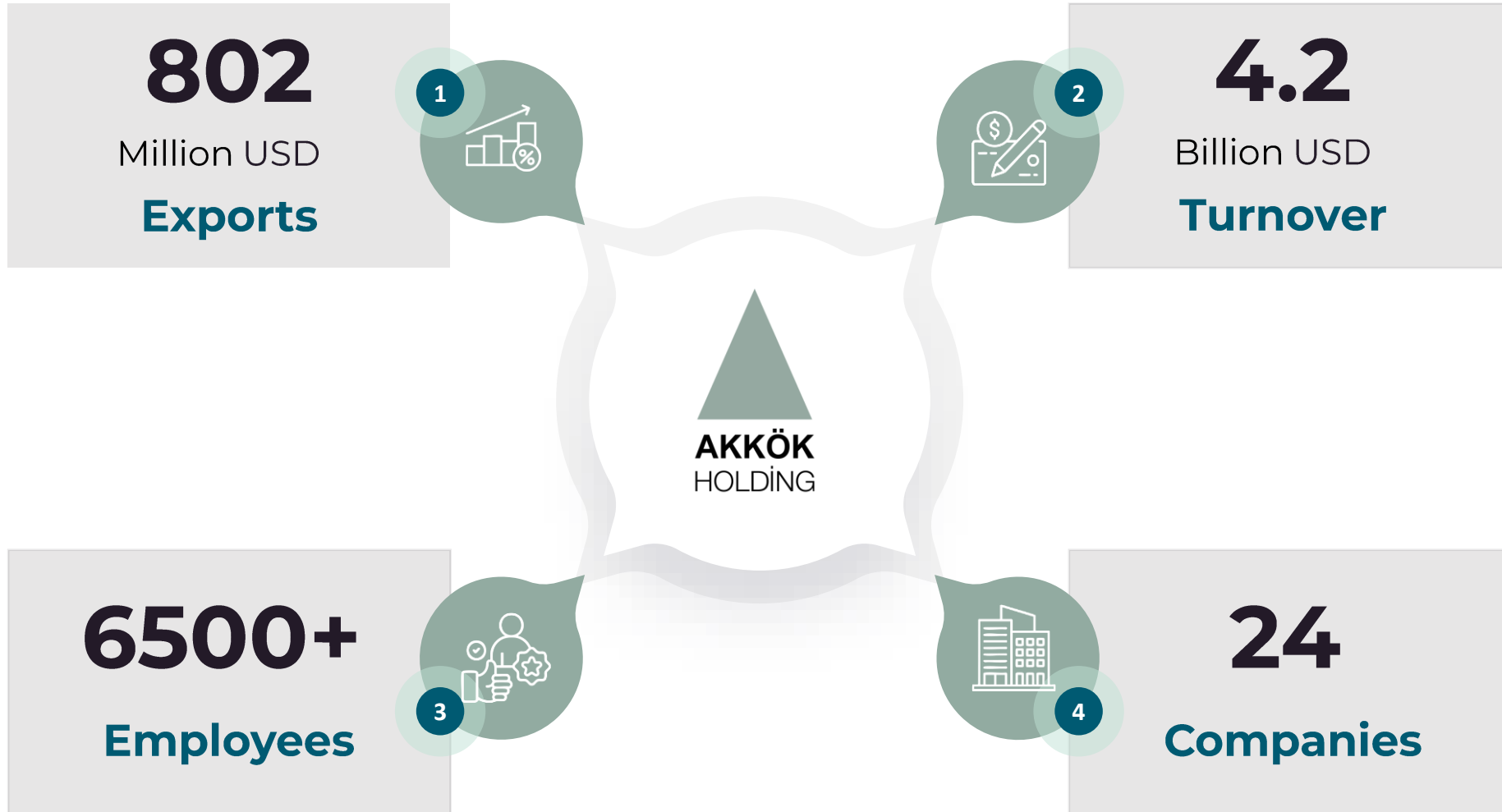


Akkim



[www.akkim.com.tr/en](http://www.akkim.com.tr/en)



AKKÖK  
HOLDİNG

Chemicals and Adv. Materials

Akkim

Akkim  
SILICONES

Akkim  
EUROPE

akcoat

AKSA

AKSA

AKSA  
CARBON

AKSA  
COMPOSITES

Energy

akenerji

AKSET

sepaş enerji

sedaş

Service

KidZania

paper moon

aktek

AKKÖK  
next

Other Sector

AK-PA

DINKAL

Real Estate

akmerkez.

üçgen

AKIŞ  
GYO

akyaşam

AKGİRİSİM

## Strong Group Structure

- Financially robust and fully integrated group
- Synergistic ecosystem with Akxa and Akxa Carbon
- Strong intra-group operational and technological collaborations

## Integrated Production Infrastructure

- 150 MW energy generation capacity and steam infrastructure
- Centralized wastewater treatment facility
- Port-connected liquid storage tank infrastructure

## Strategic Location (YALKİM OSB)

- Coastal location on the Marmara Sea with direct port access
- Located in YALKİM Chemicals & Composite Industrial Zone
- High accessibility in terms of logistics and supply chain efficiency





# MISSION

+

Adding value to life  
through chemistry.



# VISION

To become a leading chemical company in Türkiye and a globally recognized player, enhancing customers' competitiveness through high value-added and innovative solutions.





## Where Are We?



Akkim Kimya Head Office  
İstanbul - Türkiye

Akkim Kimya Yalova Plant (Inorganic)  
Yalova - Türkiye



Akkim Kimya Yalova Plant (Organic)  
Yalova - Türkiye

Akkim Kimya Nazilli Plant  
Nazilli / Aydın - Türkiye

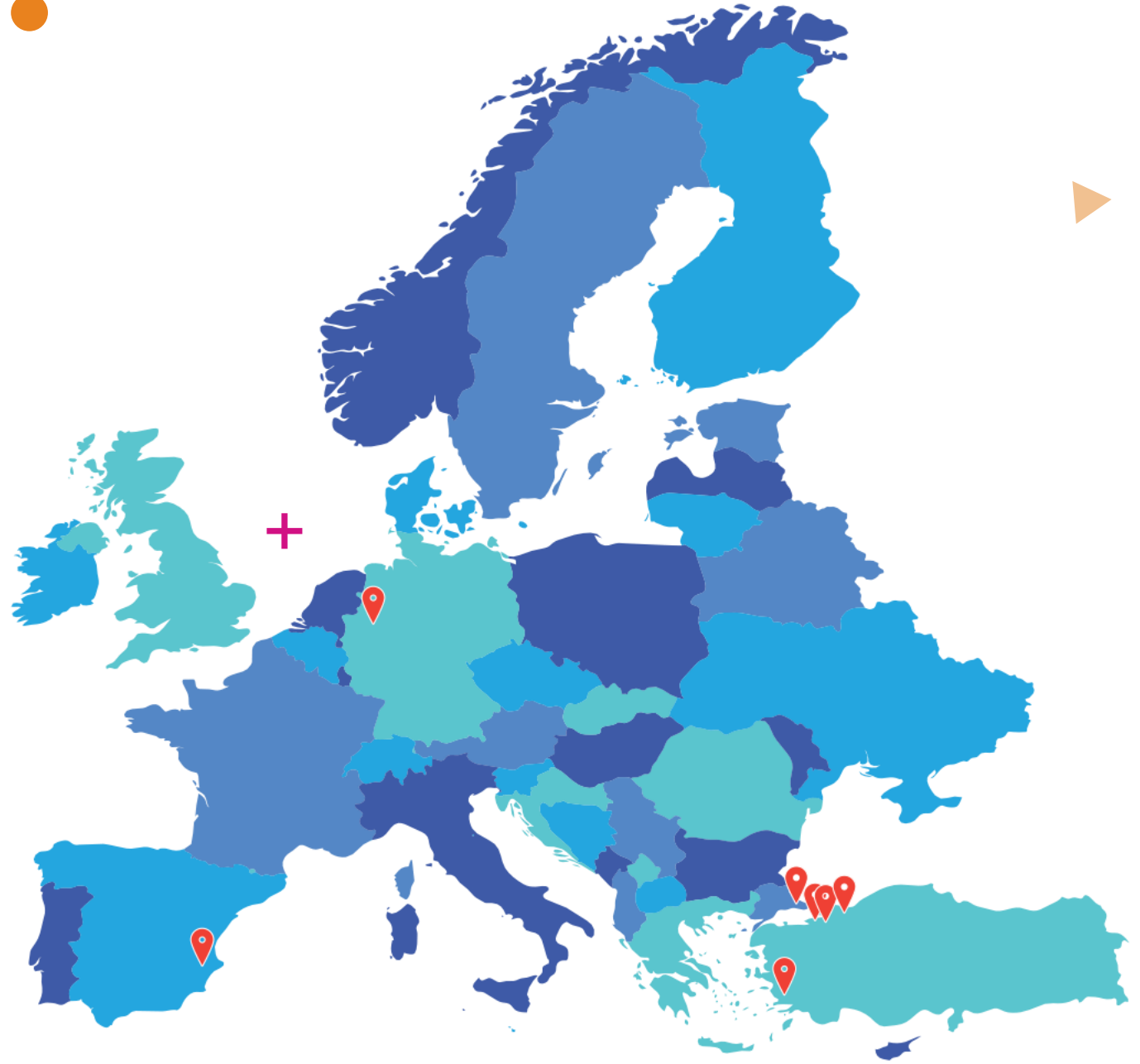


Akkim Europe-GmbH  
Dortmund - Germany

Akcoat Sakarya Plant  
Sakarya - Türkiye



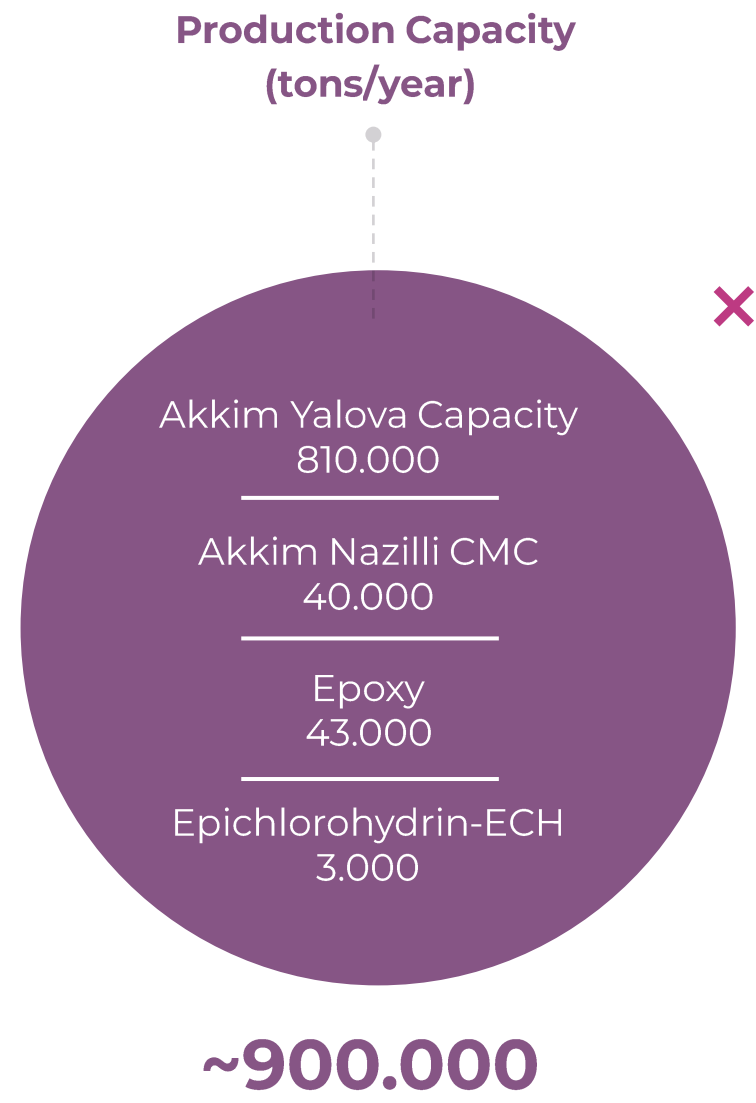
Akcoat España  
Onda / Castellón - Spain

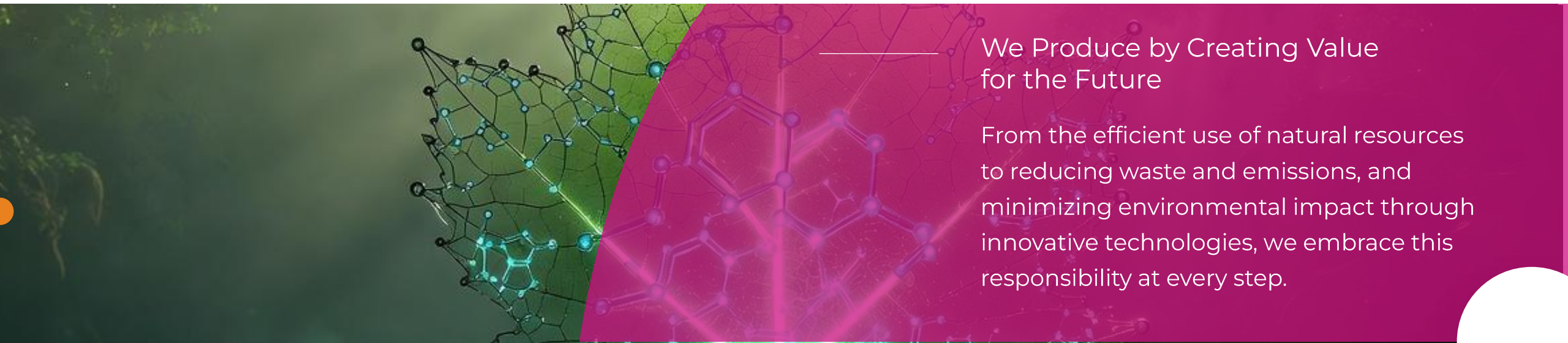


# One of Türkiye's leading industrial companies



The ISO 500 survey covers only the total sales generated from domestic production facilities.





## We Produce by Creating Value for the Future

From the efficient use of natural resources to reducing waste and emissions, and minimizing environmental impact through innovative technologies, we embrace this responsibility at every step.

# Sustainability is in Our Chemistry.



## Building a Responsible Future with Chemistry



We continuously monitor our production processes with prestigious international certifications and standards, maintaining the highest levels of transparency and reliability. From clean water technologies to performance chemicals, we contribute to a more sustainable future with all our solutions.

# International Certifications and Standards



Sustainability is in Our Chemistry

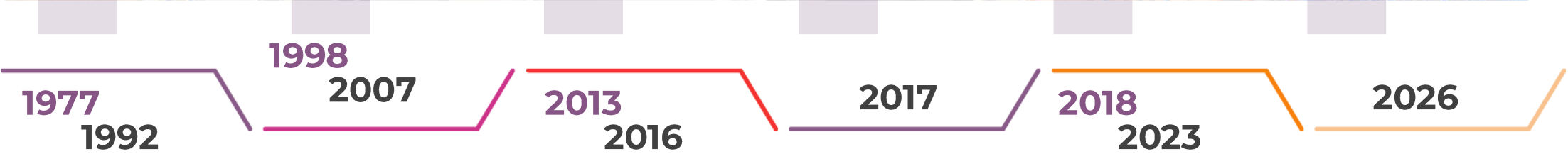
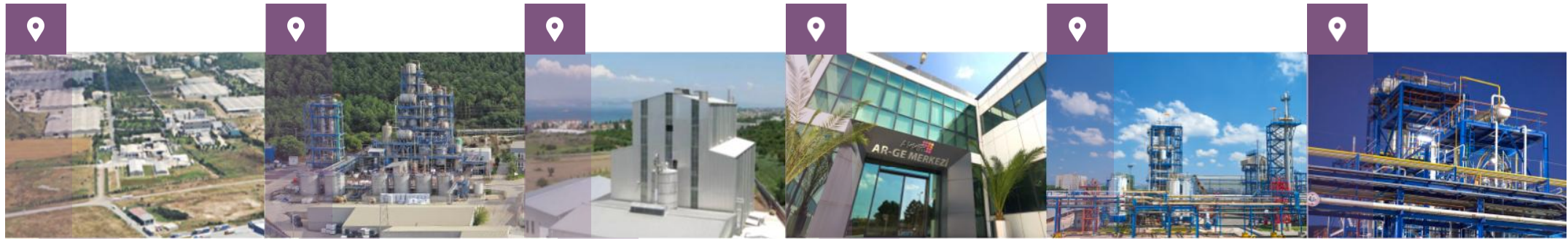


# Sustainability Journey

Our journey, which began with the Responsible Care Program, continues with the highest levels achieved in EcoVadis and ZDHC.

Through strategic investments in bio-based epoxy production, zero-waste approaches, and renewable resource-focused initiatives, we aim to protect the environment and leave a cleaner, more sustainable chemical legacy for future generations.





**1977** Establishment - Sulfur Dioxide 1,000 tons/year

**1981** Persulfates

**1988** Textile Chemicals

**1989** Methylamine

**1992** Chlor-alkali 60.000 tons/year

**1998**

**1998** Hydrogen Peroxide

**2002** Engineering Services

**2005** Paper Chemicals

**2006** Sodium Percarbonate

**2007** Construction Chemicals

**2007**

**2013**

**2013** R&D center certification

Water Chemicals and Coagulants (Akferal-Feralco) '17

**2014** Water Treatment Chemicals (Dostel) '17

**2015** Enamel, Ceramics, Glass, NSD, Pigments (Akcoat-Gizemfrit)

**2016** Ultrafiltration Membrane Module

**2016**

**2017**

**2017** Persulfates Plant 10.000 tons/year

Hydrochloric Acid 40.000 tons/year

Akkim Dilovası and Osmaniye Plants '20

Sales & Marketing Company (Akkim Europe-Dinox)

Ceramic Printing Ink (Akcoat Spain- Megacolor)

**2018**

**2018** Performance Chemicals 150.000 tons/year

**2021** Carboxymethyl Cellulose (Akkim Nazilli- USK Kimya)

Silicone Polymers (Akkim Silikon)

**2023** Launch of construction for Türkiye's first epoxy resin production plant

**2023**

**2026**

**2026** Start-up of the first domestic epichlorohydrin plant (Phase 1)



Textile Chemicals

Construction Chemicals

Paper & Water Chemicals

Functional Chemicals

Silicone & Organic

Epoxy Resins & Polymers

PM, Projects & Innovation

Advanced Analytics

Innovation index

**%24**

Ranked 2nd in the  
R&D Centers  
Evaluation by the  
Republic of Türkiye  
Ministry of Industry  
and Technology

# Akkim – R&D and Innovation Indicators (2024)

## National Rankings (2024)

Chemical Products Sector – R&D Expenditure (Top 10): **4th place**

Number of Projects Conducted in R&D Centers (Top 100): **25th place**

Number of National Patents Obtained in R&D Centers (Top 50): **33rd place**

R&D Expenditure (Türkiye Top 500): **78th place**

64

R&D Personnel

67

Posters

20

Articles

4

Conference Papers

64

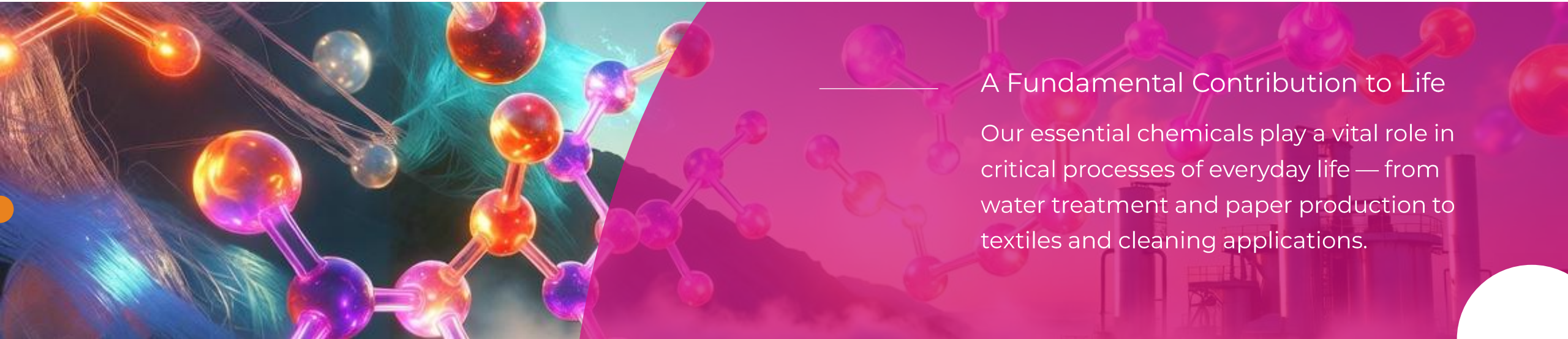
Patent Applications

11

Registered Patents

1

Utility Model Registrations



A Fundamental Contribution to Life

Our essential chemicals play a vital role in critical processes of everyday life — from water treatment and paper production to textiles and cleaning applications.

# Essential Chemicals



Building a Strong Foundation with Chemistry

Produced at the highest purity and quality standards, our chlorinated, peroxide-based, sulfur-based and organic compounds provide a reliable foundation for industries. They enhance the quality of daily life while adding value to sustainable production processes and industrial efficiency.





## Chlor-Alkali & Derivatives

- Chlorine
- Sodium Hydroxide (32–48%)
- Hydrochloric Acid (35%)
- Sodium Hypochlorite (16–17%)
- Epichlorohydrin
- Ferric Chloride

## Per Chemicals

- Ammonium Persulfate
- Potassium Persulfate
- Sodium Persulfate
- Hydrogen Peroxide (50%)
- Sodium Percarbonate

## Organic Chemicals

- Dimethylformamide (DMF)
- Dimethylacetamide (DMAC)
- Dimethylamine (60%)
- Dimethylamine Hydrochloride
- Trimethylamine (40%)
- Trimethylamine Hydrochloride
- Monomethylamine (40%)

## Sulfur-Based Compounds

- Sodium Metabisulfite
- Sodium Bisulfite (25–35%)

## Other Chemicals

- Esterquat
- Glycerin



We Add Strength and Durability to Life

Our epoxy resins, hardeners, and high-performance chemicals form the foundation of modern construction, composite materials, and advanced coatings.

# Epoxy Resin & Performance Chemicals



Performance Through Chemistry

From construction to automotive and electronics industries, we deliver superior mechanical strength, corrosion resistance, and long-lasting performance—making living spaces safer, more sustainable, and higher in quality.





## Epoxy Resins & Hardeners

- Basic Resins
- Modified Resins
- Solid Resins
- Hardeners
- Reactive Diluent

## Construction Solutions

- Cement Grinding Aids
- Shotcrete Admixtures
- Concrete Admixtures Polymers
- Asphalt Additives
- TBM Ground Conditioner Foams
- Water-Based System Additives

## Plastic Solutions

- Plasticizers
- Lubricants
- Antifog & Antistatics

## Water Solutions

- Polyaluminium Chloride
- Coagulants
- Flocculants
- Color Removals
- RO Antiscalants
- Emulsion Breakers
- Defoamers

## Textile Solutions

- Pretreatment Auxiliaries
- Dyeing Auxiliaries
- Washing Agents
- Finishing Agents & Silicone Products
- Denim Garment Auxiliary Chemicals
- Specialty Chemicals

## Paper Solutions

- Temporary Wet Strength Resins
- Permanent Wet Strength Resins
- Dry Strength Resins
- Internal & Surface Sizing Agents
- Yankee Coating Chemicals
- Bleaching Chemicals
- Repulping Agent
- Fixatives / ATC
- Retention & Drainage
- Viscosity Modifier
- Softeners
- Defoamers

## CMC (Carboxymethylcellulose)

- Food Grade
- Oil Drilling Grade
- Detergent Grade
- Mining Grade
- Paper Grade
- Textile Grade
- Adhesive & Paint Grade
- Pharma Grade



We Deliver Clean Water and  
a Better Future for Life

As the first and only manufacturer in  
Türkiye, we develop ultrafiltration,  
microfiltration, and MBR systems with  
our advanced membrane technologies.

# Membrane Technologies



The Chemistry of Clean Water

By recovering wastewater, treating industrial process water at advanced levels, and upgrading it to potable water quality, we protect nature and ensure clean and sufficient water resources for future generations. Through chemistry, we offer life's most valuable gift: clean water.





### Membrane Technologies

- Ultrafiltration membranes
- Microfiltration membranes
- MBR (Membrane Bioreactor) systems

## The First And Only Manufacturer In Türkiye And Neighboring Countries.

- Industrial wastewater treatment and reuse
- Municipal water treatment
- Treatment of waste, brackish and surface water
- Drinking water treatment
- Rainwater harvesting systems



- Seawater desalination
- Cooling tower water treatment
- Food and beverage industry
- Medical industry (bacteria-free water production)
- Pharma industry and industrial solution systems

Field of Activity



Home&Personal Care



Chemicals



Textiles



Paper



Water



Food



Pharma



Agro



Energy



Metals



Mining



Plastic



Construction



Paint



Drilling

# Türkiye's First Epoxy Resin Production Facility

**"Zero Wastewater"** process technology

25.000 m<sup>2</sup> Epoxy Production Site

Integrated with chlor-alkali facility

State-of-the-art epoxy resin production plant

Wide range of usage

industrial coatings, electrostatic powder paints, wind turbine blades, electrical and electronics industry, aerospace and defense industry, all composite applications

124.500 Production / 46.000 Sales

124.500 tons/year production capacity

Epoxy Resins  
**73.000 / 43.000**

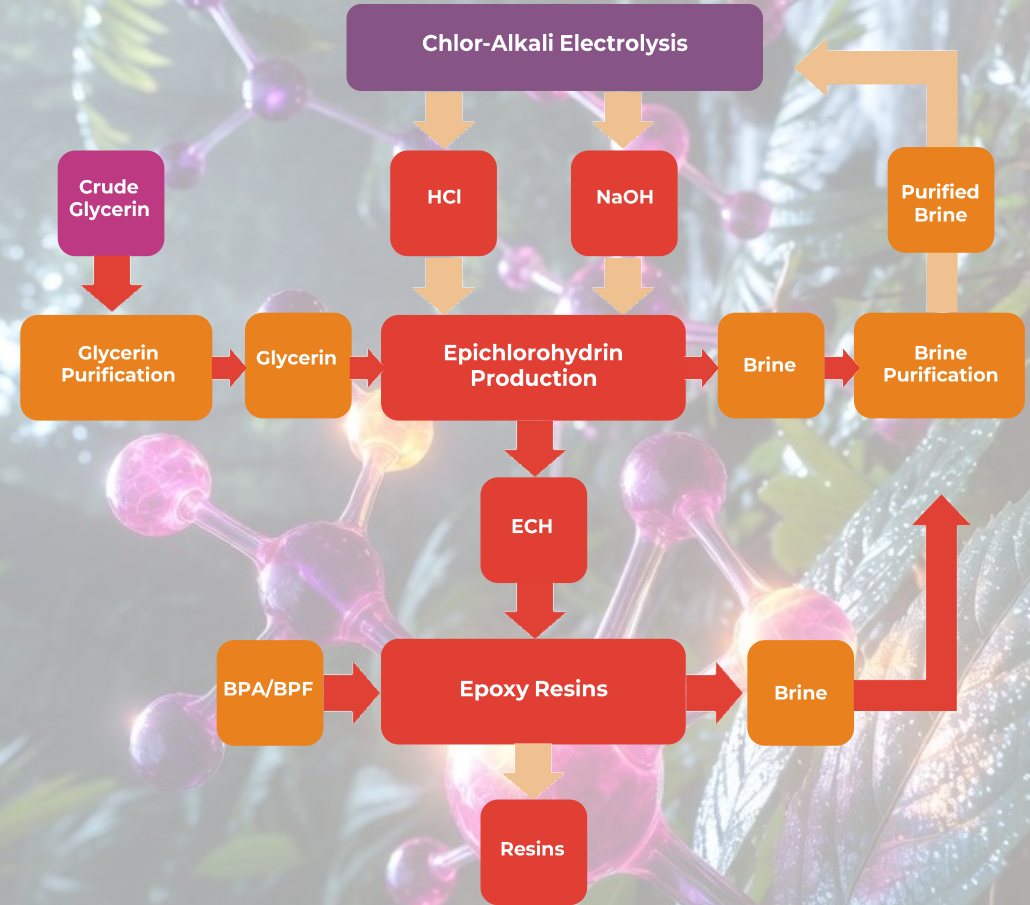
Epichlorohydrin  
**25.000 / 3.000**

Glycerin  
**26.500**

Total Capacity  
**124.500 / 46.000**  
Production / Sales



## ADVOX



# Türkiye's First Epoxy Resin Production Facility





Akkim's  
Yalova campus  
2.500 m<sup>2</sup>



Commissioned in  
May 2023



State of the art  
Silicone Polymers  
Facility



Hi-tech  
products

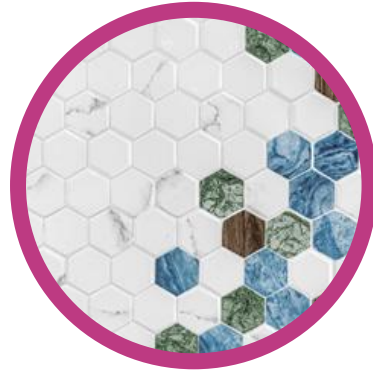


Wide range of usage  
Construction, paper, textile,  
agriculture, food sectors,  
industrial coatings, paints  
and adhesives



Total production capacity of  
8.000 tons/year





Akkim's  
Nazilli campus  
90.000 m<sup>2</sup>



Commissioned in  
2001 USK Kimya  
2021 Akkim Nazilli



State-of-the-Art  
Carboxymethyl  
Cellulose (CMC) Plant



Hi-tech  
products



Wide range of usage  
Food, paper, textile and  
ceramic, water-based  
paints, adhesives, personal  
care products, detergents,  
and drilling and flotation  
applications.



Total production capacity of  
40.000 tons/year





Headquartered in **Dortmund, Germany** – the chemical hub of Europe.



Operational Integration  
2017 Dinox  
2024 Akkim Europe



Full compliance with **EU and local** regulations (**REACH**)



Sales managers located in **Germany, Spain, and Poland**  
**On-site, fast, and** customer-near service approach  
**Agile and solution-oriented** operational capabilities  
**Experienced and multilingual** teams  
**Flexible and efficient** solutions tailored to different markets

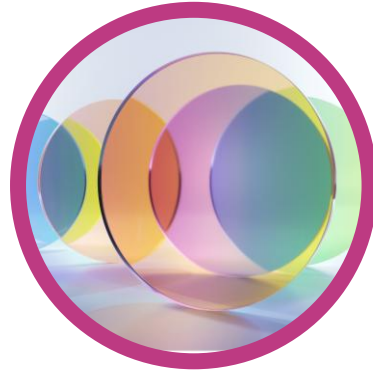


**Wide range of usage**  
Home & personal care,  
Pharma & agro,  
Water & paper,  
Polymers & CASE



A robust **logistics** and **distribution** network





Akcoat's  
Hendek campus  
90.000 m<sup>2</sup>



Commissioned in  
1979 Gizemfrit  
2015 Akcoat



1000+ product, 5 SBUs  
Enamel, Ceramic, Glass,  
NSD, Pigment



Advanced Chemical  
Coating  
sector

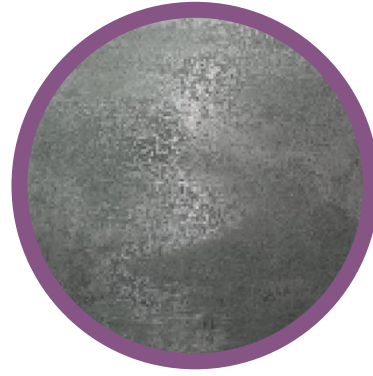
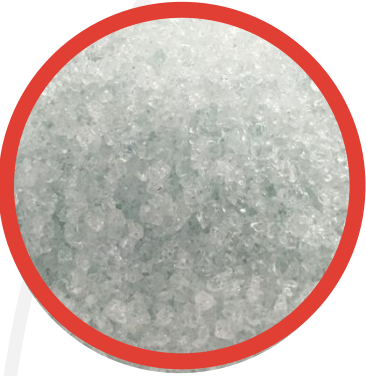


Wide range of usage  
Household, building,  
tableware, sanitaryware,  
industrial solutions and  
advanced chemicals



Total production capacity of  
155.000 tons/year





Ceramic Silicon Valley –  
Castellón Region  
10.000 m<sup>2</sup>



Commissioned in  
2002 (Megacolor)  
2017 (Akcoat Spain)



advanced inkjet ceramic  
digital inks and inorganic  
pigments



Ceramic Coating  
sector



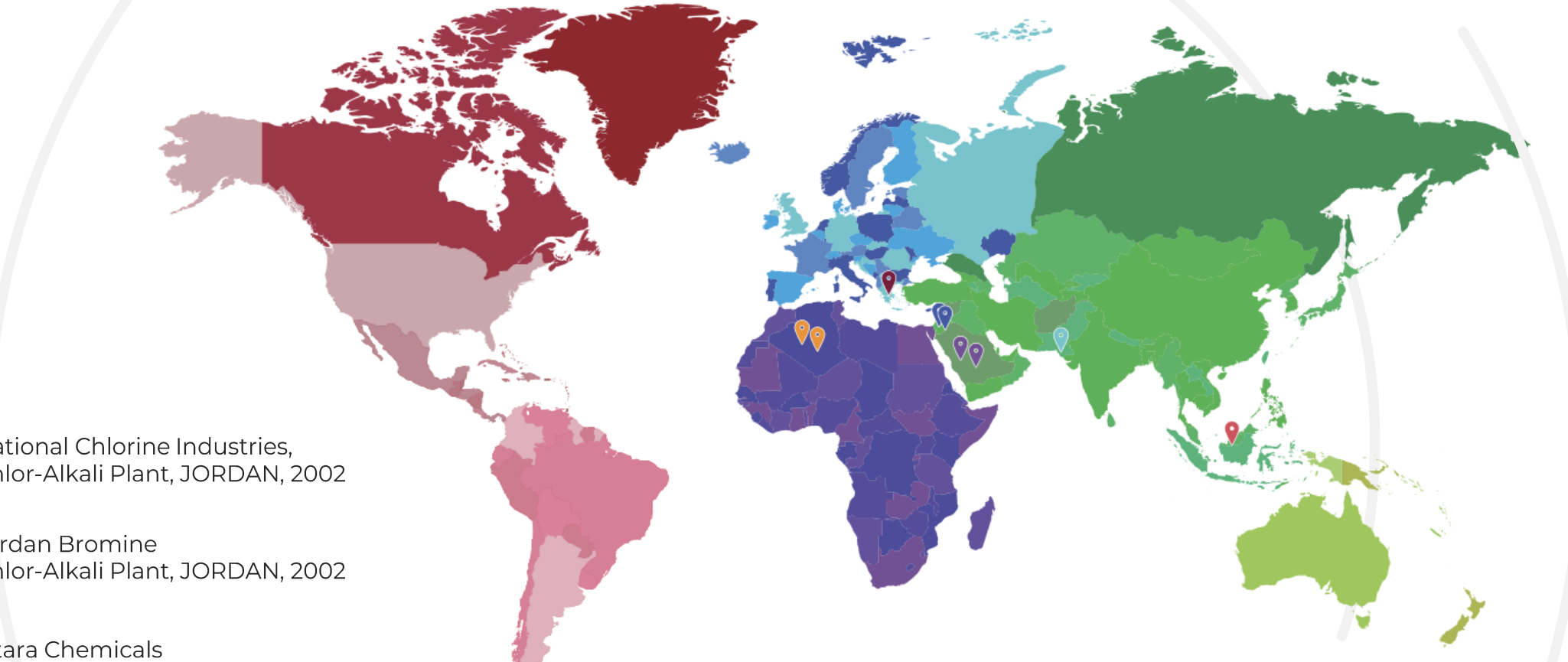









Wide range of usage  
Building sector  
applications: wall tiles, floor  
tiles, and porcelain tiles.



Total production capacity of  
1.650 tons/year



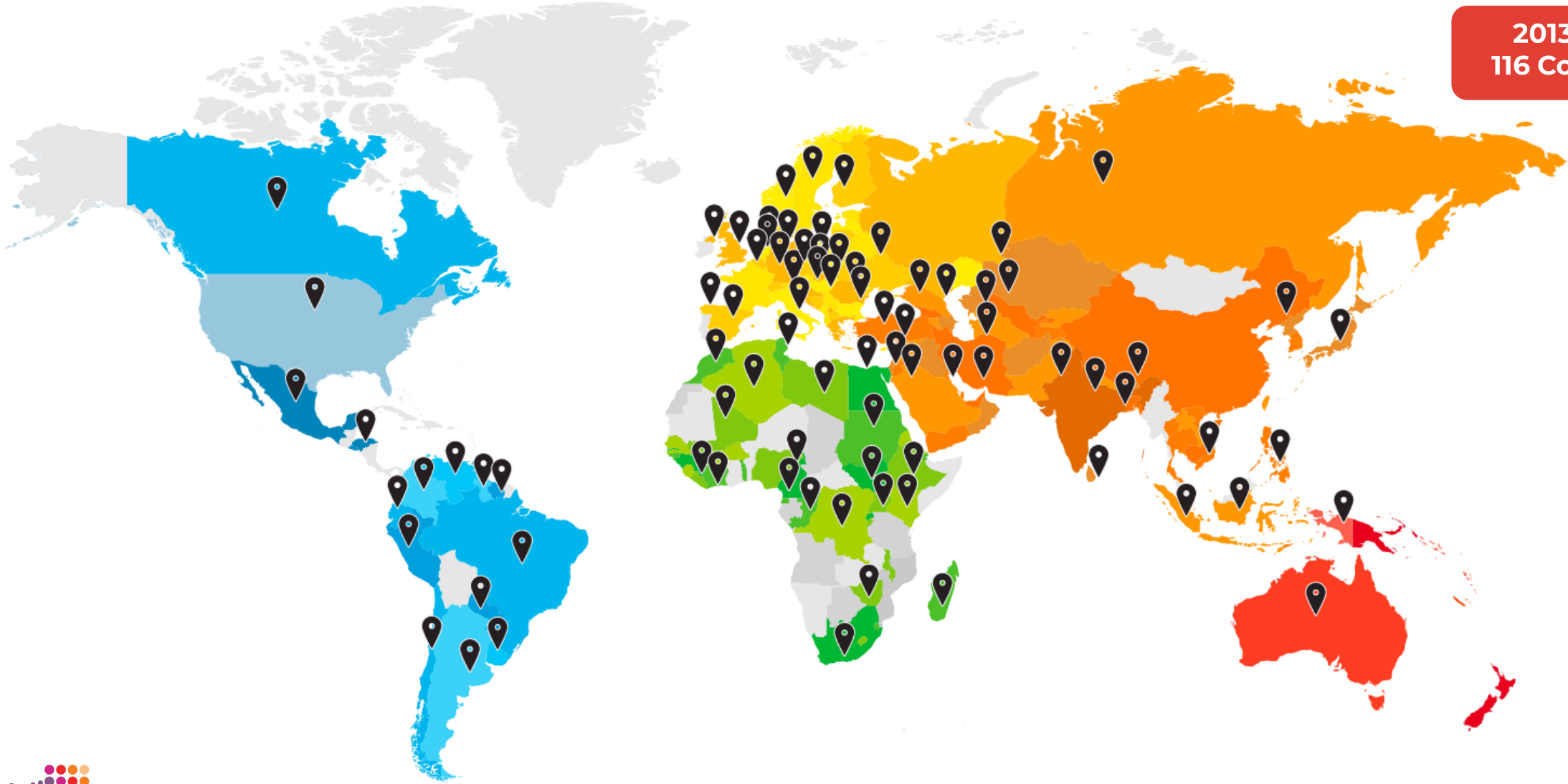
# International Engineering Projects

- 
- A world map with colored regions and location pins. The map is divided into several color-coded areas: North America (dark red), South America (light red), Europe (blue), Africa (dark purple), Asia (green), and Australia (light green). Location pins are placed in Jordan, Saudi Arabia, Algeria, Pakistan, Greece, and Malaysia. A red cross is in the top right, and a red triangle is in the bottom right.
-  National Chlorine Industries, Chlor-Alkali Plant, JORDAN, 2002
  -  Jordan Bromine Chlor-Alkali Plant, JORDAN, 2002
  -  Sitara Chemicals Hydrogen Peroxide Plant, PAKISTAN, 2007
  -  Cristal Global Chlor-Alkali Plant, SAUDI ARABIA, 2008
  -  JANA (Jubail Chemical Industries) Chlor-Alkali Plant, SAUDI ARABIA, 2008
  -  Adwan Chemicals Ferric Chloride Plant, ALGERIA, 2014
  -  Adwan Chemicals Chlor-Alkali Plant, ALGERIA, 2012
  -  See Sen Chemicals PAC (Polyaluminum Chloride) Plant, MALAYSIA, 2020
  -  Kapachim Hydrochloric Acid Plant, GREECE, 2011

# 6 CONTINENTS, MORE THAN 110 COUNTRIES

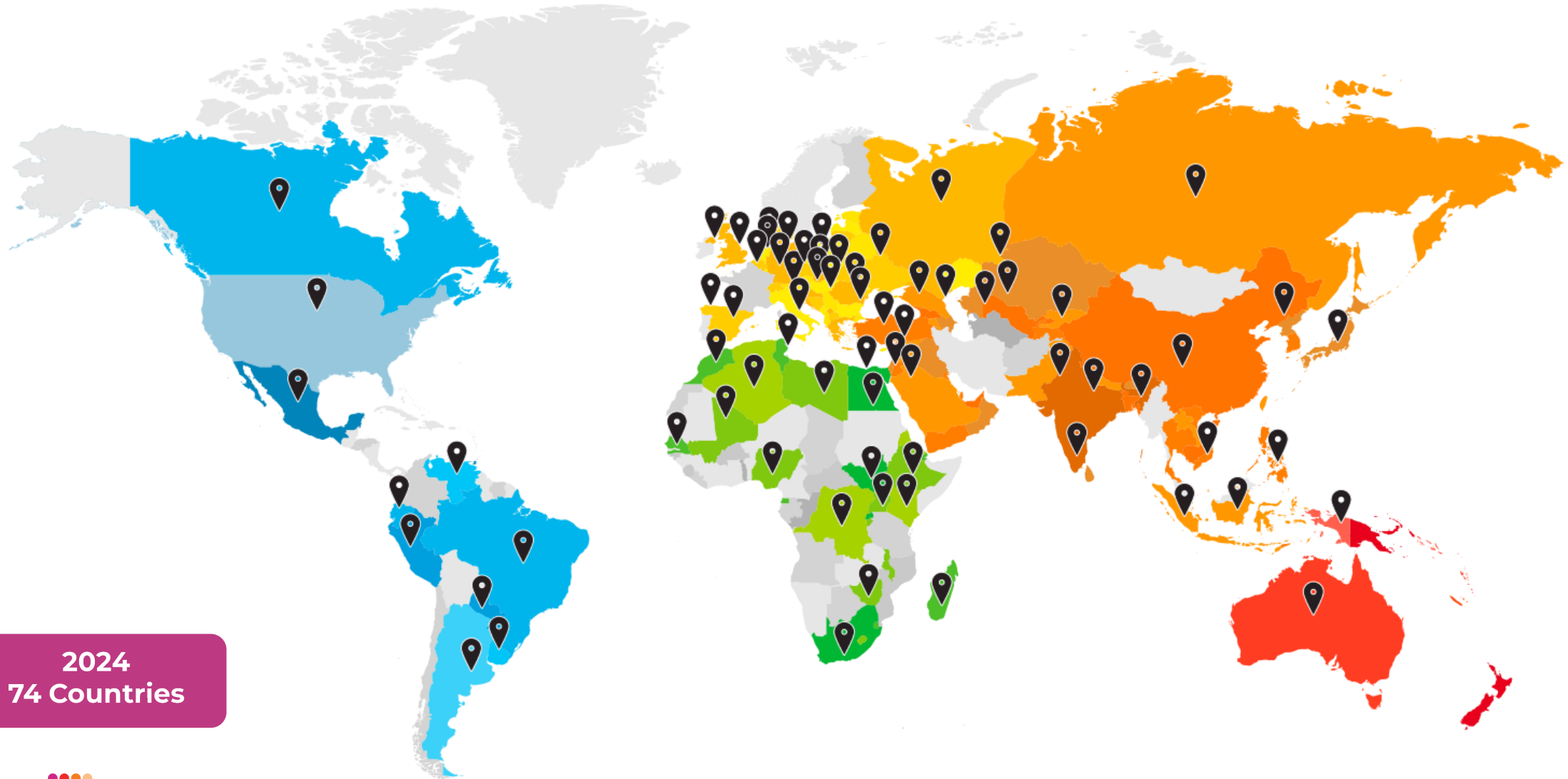


2013-2024  
116 Countries





# 6 CONTINENTS, MORE THAN 70 COUNTRIES



2024  
74 Countries



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The Akkim logo features the word "Akkim" in a bold, black, sans-serif font. To the right of the text is a decorative graphic consisting of a grid of colored dots in shades of purple, red, orange, and yellow, arranged in a pattern that tapers to the right.

Akkim

The AKKÖK HOLDİNG logo consists of a solid green triangle pointing upwards, positioned above the text "AKKÖK" and "HOLDİNG" in a bold, black, sans-serif font.

AKKÖK  
HOLDİNG