



Corporate Presentation

December, 2023

[Kordsa.com](https://kordsa.com)

Strong Leader in **Turkish Industry**

RETAIL

Carrefour  

INDUSTRY

TECHNOLOGY

ENERGY

 
Türkiye'nin Enerjisi

  ÜRETİM

BUILDING MATERIALS

FINANCIAL SERVICES



BANKING





Global Footprint



4
CONTINENTS

7
COUNTRIES

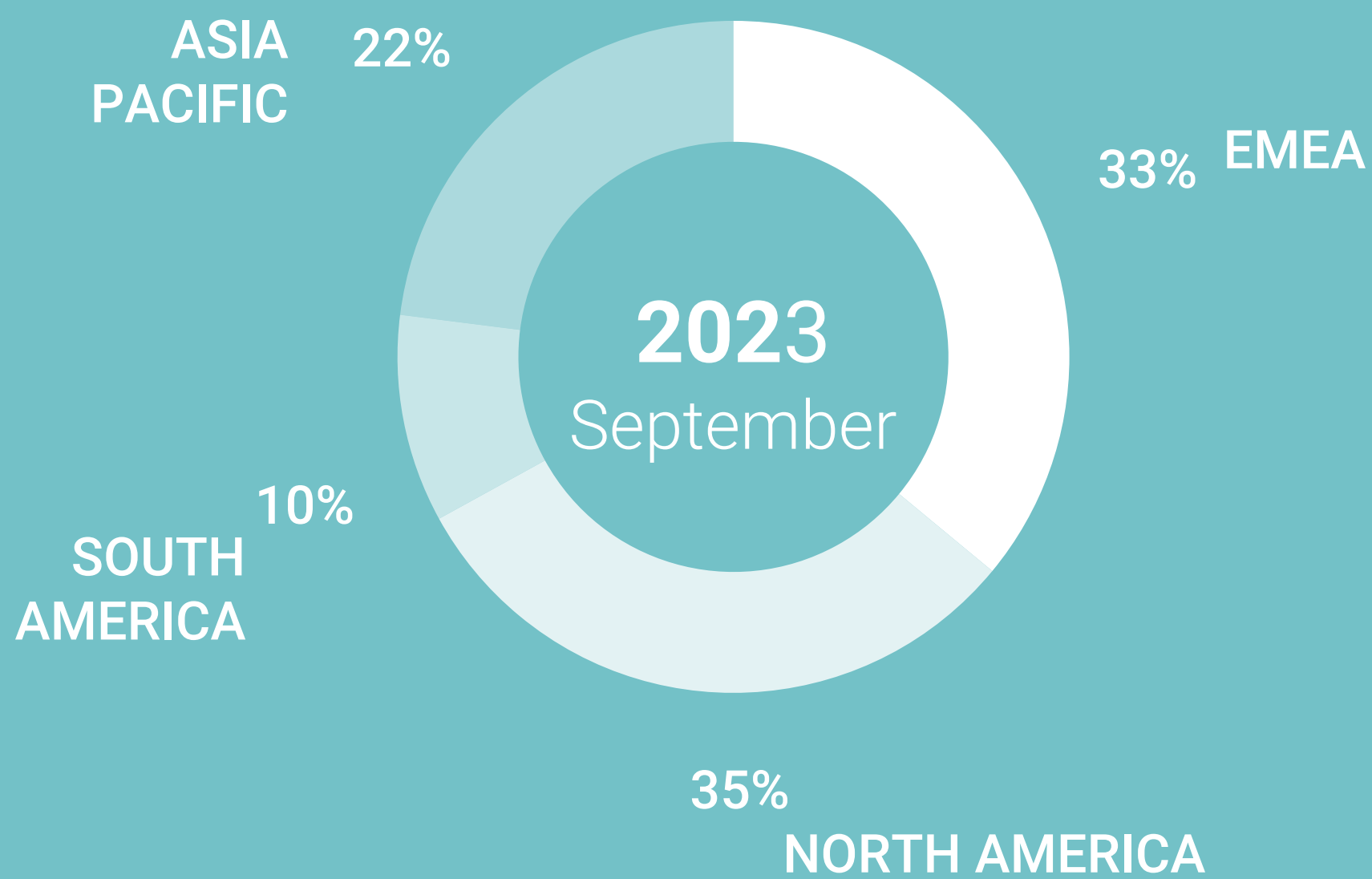
13
FACILITIES

5,000+
EMPLOYEES

2
R&D CENTERS

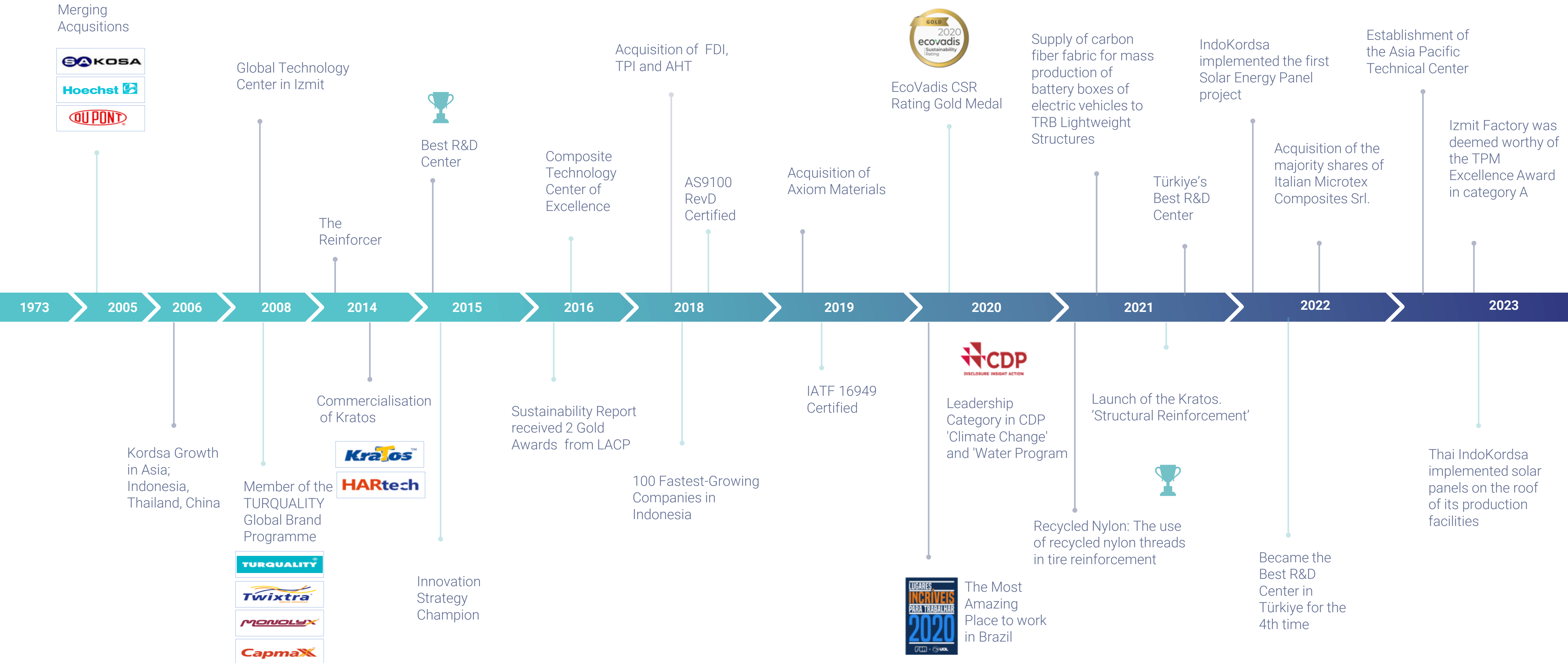
2
TECHNICAL CENTERS

900+
PATENT APPLICATION



	Million TL		Million US Dollar	
	September 2022	September 2023	September 2022	September 2023
Sales Income	13,761	18,770	885	772
EBITDA	1,429	1,563	92	64
% EBITDA	%10.4	%8.3	%10.4	%8.3

Our History







In the CDP Climate Change and Water Programs rating, we have once again increased our water program grade in 2022, and been included in the Global A list, which includes 107 companies around the world.

CDP Climate Change
2022 B

CDP Water Security
2022 A

CDP Supplier Engagement Rating
2022 A

We participate in the Ecovadis CSR Rating for environmental, social and governance issues.

We have been awarded the gold medal again in the 2023 Ecovadis CSR rating.



We reinforce life with **responsibility!**

Sustainability Strategies	2023 Target	2025 Target	2030 Target	2050 Target
WOMAN EMPLOYEMENT RATE	%38.3	%45		NET ZERO Scope 1& Scope 2
REDUCTION OF EMISSIONS	%16.8	%25.2	%46.2	
REDUCTION WASTE INTENSITY	%10		%50	
REDUCTION OF WATER WITHDRAWAL INTENSITY	%6		%50	



Technology & Innovation



**2** R&D CENTERS

2 TECHNICAL CENTERS

**129** R&D EMPLOYEES

**45%** FEMALE RATIO

1973

Tire

Reinforcement

2014

Composite

Technologies

2015

Construction

Reinforcement

2019

Thin Films & Flexible Electronics

2021

Compounding



**SABANCI TECHNOLOGY CENTER**
2023



**ASIA-PACIFIC TECHNICAL CENTER**
2023



**COMPOSITE TECHNOLOGIES CENTER OF EXCELLENCE**
2016



**IZMIT R&D CENTER**
2008

Strong focus on Research & Development




In 2022, sales revenue of new products totaled USD 49.8 million.




The R&D center in Izmit develops new products, processes and technologies for tire reinforcement, construction reinforcement, thin film & flexible electronics and compounding.




The R&D Center at Composite Technologies Center of Excellence develops innovative composite technologies for aerospace, automotive, marine, construction, sports & leisure markets and industrial applications.



Kordsa's growth in Patent Portfolio

**940**
PATENT APPLICATIONS

**515**
APPROVED PATENTS

**DiComi****H2020 Project:**

Directional Composites through Manufacturing Innovation

16

Partners

11

Countries

**H2020 Project:**

Innovative Technologies for Recycling of Plastics – Circular Economy

21

Partners

11

Countries

**TÜBİTAK****EUREKA** 
innovation across borders**EUREKA Smart Project:**

Clean, Precise and Defect-Free Composite Parts Machining Robotic System (COMACH)

11

Partners

3

Countries

**TÜBİTAK**
NANOSIS
PLATFORM

Development of Nanotechnological Sensors *for the Tracking of Health Data with Wearable Technologies*

21

Partners

11

Countries

**Europe Project:**

A European consortium to recycle plastic waste

16

Partners

5

Countries

Overview of Tire Reinforcement Value Chain



Raw materials



Manufacturing



Product

Polymerization



Spinning



YARN

Twisting



Weaving



Greige Fabric



Dipping



NY66

HMD+Adipic acid
(continuous polymerization)

NY66 flake (batch
polymerization)



HMLS PET

PET Chip

NY66 yarn

PET yarn



A tire is a highly complex composite with c.40 components working under dynamic conditions



NY66 typically used in cap plies;
PET typically used in radial plies



	 NY66 TIRE CORD	 PET TIRE CORD	 HYBRIDS / OTHER CORD
MAIN USE	<ul style="list-style-type: none">Cap ply in radial tiresCarcass ply in aircraft, agricultural and mining tires	<ul style="list-style-type: none">Carcass ply in radial passenger car tires.	<ul style="list-style-type: none">Cap ply in high-speed performance tiresSolutions that increase sustainability and reduce total costs
KORDSA	<ul style="list-style-type: none">Global #1 producerGlobal #1 provider of aircraft tire textiles	<ul style="list-style-type: none">Global #3Leadership position in value-add segments	<ul style="list-style-type: none">Market and technology leader with key brands Capmax, Twixtra, Monolyx, and Cokoon.
KORDSA STRATEGIC INITIATIVE	<ul style="list-style-type: none">Grow in more technologically, advanced tire segmentsMaintain competitive global footprint in production and service networkHigh performance and low weight solutions for future mobility needsSustainable NY66 products with recycled yarnSustainable polyamide products with bio-based yarn	<ul style="list-style-type: none">Capacity expansion in Indonesia and TurkeyFurther investments in technology leadership and production processNext generation PET yarnsNext generation PET yarns for EV tire requirementsHigh performance and long-lasting solutions for the future of mobilitySustainable PET products from post-consumer resources	<ul style="list-style-type: none">Introduction of three key brandsSub-licensing business modelsIndustry co-operations

Overview of Composite Value Chain



Everything in Fibrous Form

- Carbon Fiber
- Aramid
- Glass Fiber
- UHMWPE
- Hybrid


Resins

- Hot melt epoxies
- Flame retardant epoxies
- Cyanate ester
- Phenolic
- Thermoplastics

Core

- Nomex HC
- Aluminium HC
- PVC core





**Mid-term
opportunity**

**Buy
& Build**

Acquisition of FDI & TPI in the US

*A leading supplier of
advanced composite
fabrics for the commercial
aviation industry*

*Only supplier in lightning
strike fabrics*

01

Acquisition of Advanced Honeycomb Technologies in the US

*Manufactures a wide range of nomex
honeycomb core for aerospace*

02

**Actively considering organic and
inorganic growth options**

03

Acquisition of majority shares of Microtex Composites company

*The Company provides carbon fiber woven
and prepreg mainly to the super luxury
automotive industry and motor sports in
Europe.*

05

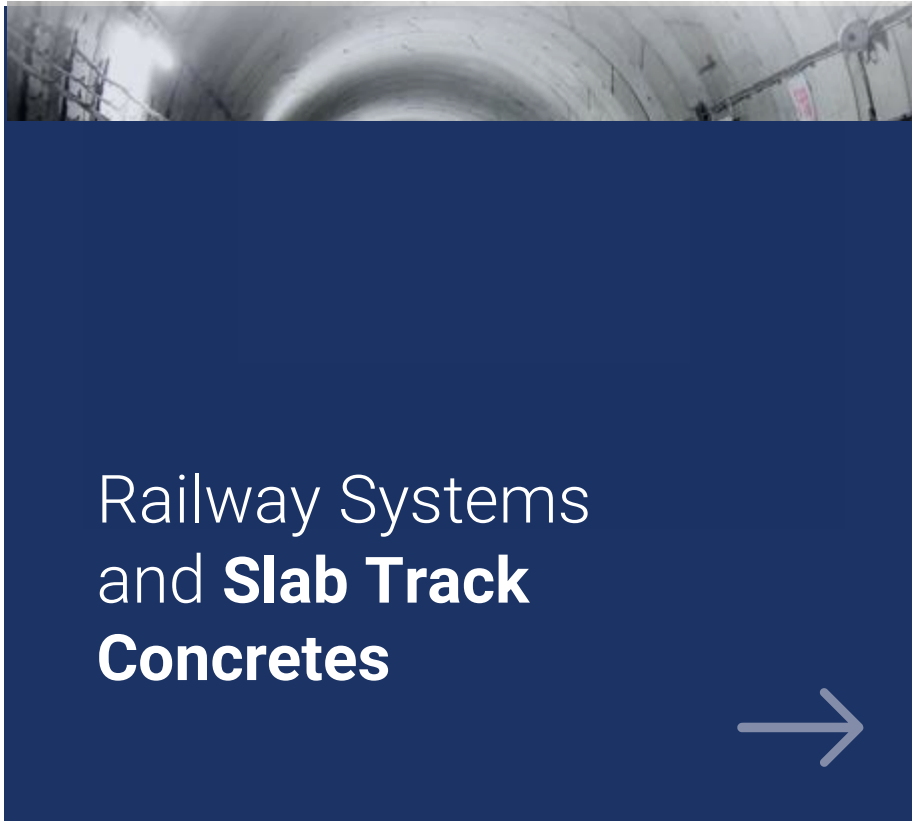
Acquisition of Axiom Materials in the US

*Only worldwide qualified manufacturer of Oxide-
Oxide ceramic matrix composites.*

04



Tunnel Linings
and **Shotcrete**
Applications →



Railway Systems
and **Slab Track**
Concretes →



Slab-on-ground
Applications →



Dams and
Hydroelectric **Power**
Plants →



Concrete Roads,
Highway **Pavements**
and **Bridges** →

Reference Projects



- ✓ 1915 Çanakkale Bridge - Bridge deck storage area concrete slabs
- ✓ Gayrettepe-New Airport Metro
- ✓ Halkalı-New Airport Metro
- ✓ TCDD Yerköy-Sivas High Speed Railway Line
- ✓ Eti Bakır Siirt Mine

- ✓ Esan Eczacıbaşı Balya Kurşun – Zinc Mine
- ✓ Artvin Yusufeli Dam
- ✓ 3rd Bosphorus Bridge Toll Booths and Electronic Pass Areas
- ✓ Kocaeli and Tekirdağ City Hospitals
- ✓ Kocaeli and Samsun Light Railway Systems

- ✓ Trabzon DSI Pressurized Water Line Tunnel
- ✓ Aselsan Konya Campus
- ✓ Petlas Tire Recycling Project

Thank You

