



UCCEL®

**RUBBER TO METAL EXPERT
KAUÇUK & METAL UZMANI**

YOUR RUBBER TO METAL PARTS SOLUTIONS PARTNER



International
Organization for
Standardization



Kalite Yönetim Sistemi
TS EN 45012
AB-0021-KY

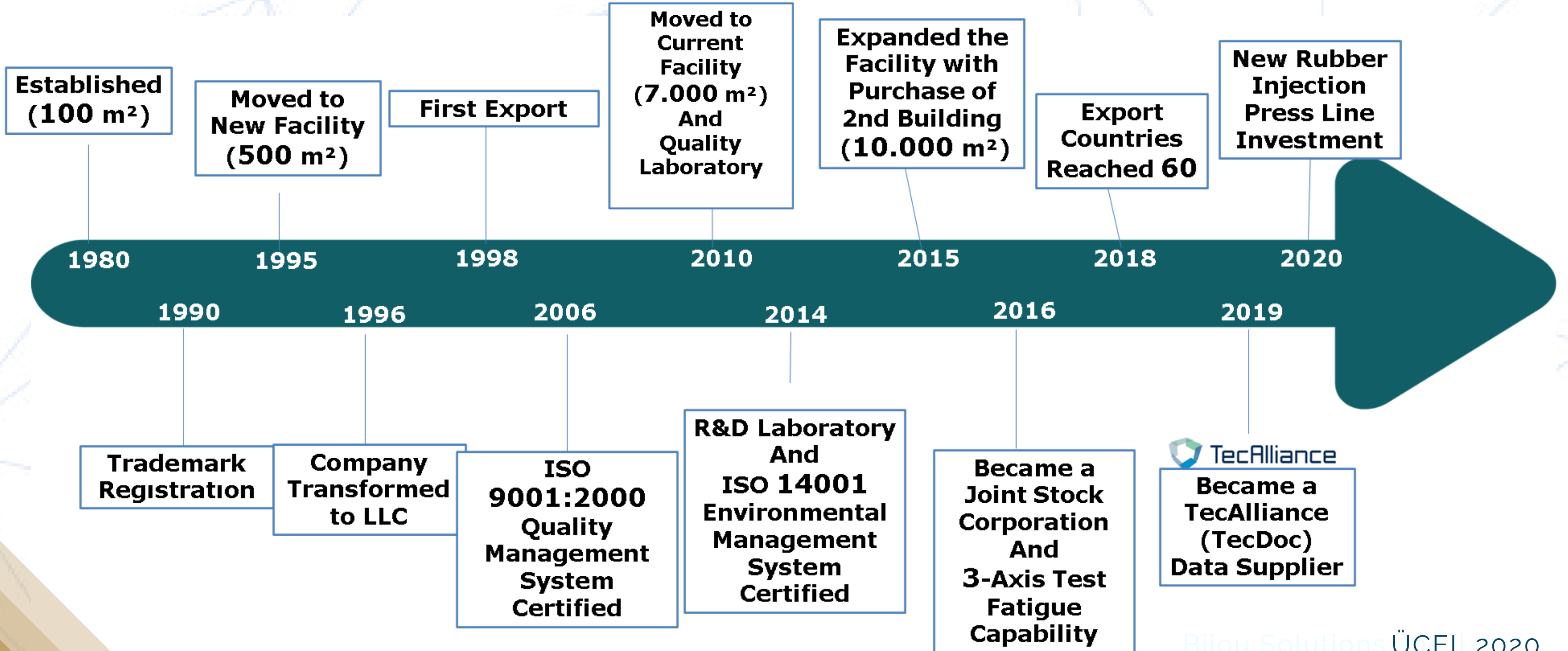
www.ucelrubber.com



OUR STORY

Established in 1980 in the heart of Turkish automotive sector, Bursa. Managed to be known as equivalent to OE parts in the domestic market for years with its quality orientated philosophy and dedicated staff, Following closely OEM activities with inhouse R&D department and developing testing facilities.

ÜCEL HISTORY



Mastering manufacturing

Unrivalled product offer

Outstanding business support

we offer a complete and robust program based on these three pillars.

Mounts & supports



- Engine Mounts
- Hydraulic Engine Mounts
- Gearbox Mounts
- Strut Mounts
- Torsion Supports
- Exhaust Supports

Bellows & boots



- C.V. Boots
- Wheel Bellows
- Clutch Bellows
- Shock Absorber Dust Bellows
- Air Filter Bellows

Hoses



- Radiator Hoses
- Turbo Hoses
- Fuel Hoses
- Respiration Hoses
- Heater Inlet Hoses
- Oil Hoses
- Air Filter Hoses

Bushings



- Wishbone Silent Blocks
- Torsion Silent Blocks
- Engine Cradle Bushings
- Spring Bushings

- **3500+** product references
- **18.000+** passenger cars & LCV model applications
- **250** new references every year

Crankshaft pulleys



Other solutions



- Expansion Tanks
- Rubber Pedals
- Stabilizer bar rubbers

- **3500+** product references
- **18.000+** passenger cars & LCV model applications
- **250** new references every year

PRODUCTION CAPACITY

Current investments :

- 22 Vulcanization presses
- 2 Aluminum injection presses
- 2 Plastic injection presses
- 7 Eccentric Presses
- Compound finalizing Line
- Surface preparation line
- CNC Profile Length Cutting Line
- Parts assembly line (8 hydraulic presses)
- Pulley (Pully) production line (4 CNC Lathes)
- Tooling workshop

Planned investments :

- CNC Robot Welding Line
- Spectrometer
- Automated Parts Assembly Line
- 3D Printer
- CNC Pulley Forming Machines,

PRODUCTION CAPACITY

- **TOTAL AREA : 10.000 M2**
- **CLOSE AREA : 8.355 M2**

RESEARCH & DEVELOPMENT

Extensive Market Knowledge

- Market research and analysis
- Deep knowledge and coverage of the local and international car park

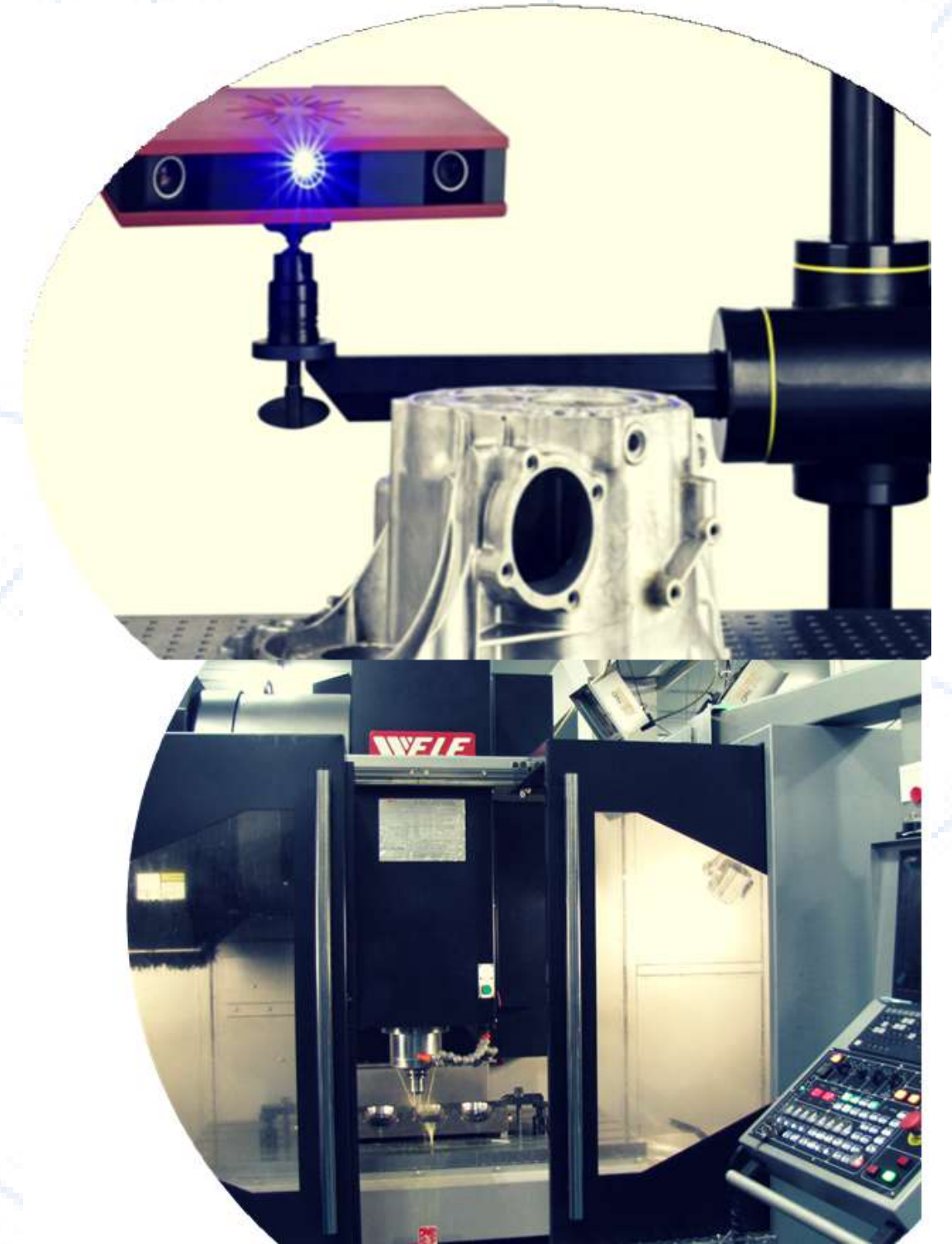


RESEARCH & DEVELOPMENT

High Tech Tools

- From Reverse engineering to the CNC machining and the analysis and simulation,
- Software and hardware 3D scanning technology

Automated ATOS 3D metrology. In the standardized measuring machine ATOS ScanBox, ATOS Triple Scan is used for fully automated measuring and inspection of parts.



RESEARCH & DEVELOPMENT

High Tech Tools

- Computer aided design (CAD)
- Computer aided manufacturing (CAM):
Electro discharge machining (EDM) -
CNC machining

**CATIA, world wide used software for
design & modelling**

**ANSYS, powerful tool for simulation
& analysis**



QUALITY MANAGEMENT

	Initial date	Expiration date
ISO TS 16949	TARGET DEC.2021	
ISO 9001:2015	1.DEC.2016	1.DEC.2022
ISO 14001	6.NOV.2015	6.SEP.2021
OHSAS 45001	TARGET JAN.2021	
ISO/IEC 27001	TARGET DEC.2021	



QUALITY CONTROL

Tensile strength

Measuring how much bending and shaping our raw materials can withstand before breaking or being deformed



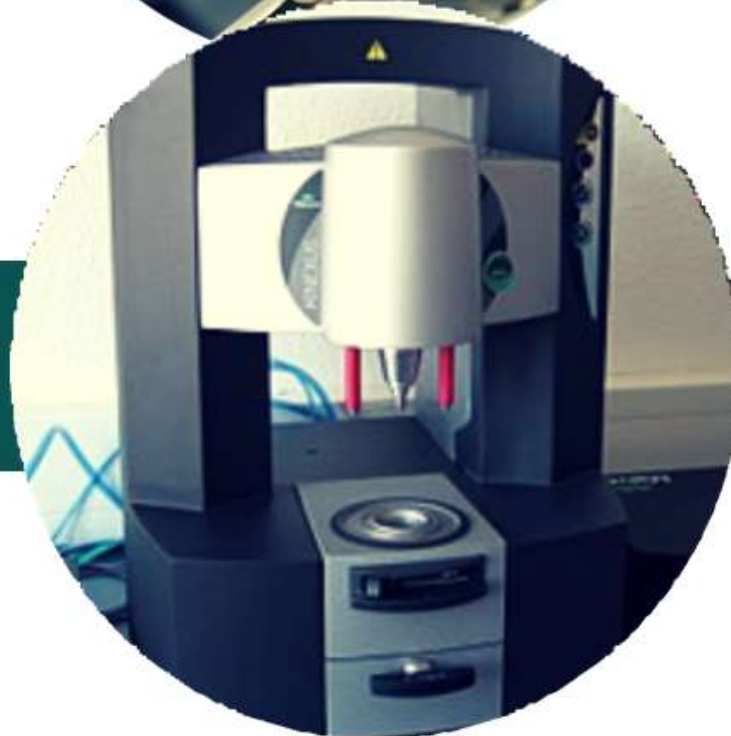
Fatigue tests

Putting the car part through a round of cycles that simulate the road application of the part to specify the capacity of the part and the load it can withstand through a certain number of cycles



Rheometric tests

Measuring the response of the rubber to applied forces before, during and after the curing of the rubber



Load & force test

Blast load test of rubber parts (bushings)



QUALITY CONTROL

Coating & thickness test

Ensuring the quality of the coating systems chosen to protect out metal parts



Crankshaft pulley fatigue test

Crankshaft pulleys have a basic role in the performance of different systems of the car. We put our crankshaft pulleys through a the fatigue test applying measured force and a specified number of cycles to assess the performance of the crankshaft pulley

QUALITY CONTROL

Elongation

Elasticity and hardness measurement of rubber and metal material



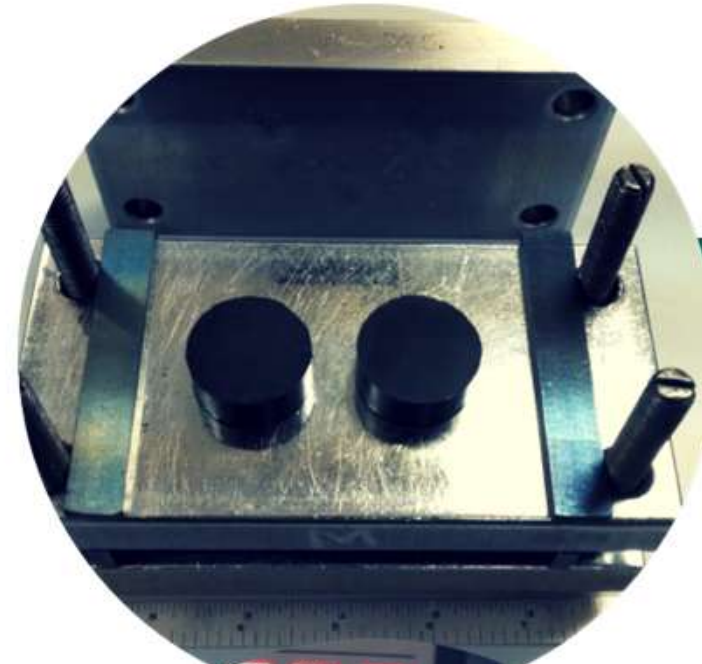
Density measurement

One of our many tests to assure the quality of raw material



Thermal sagging

Applying force on rubber under a certain degree to measure the deformation of the material after a specified amount of time



Hardness test

The hardness of metal products and material is measured by applying permanent force on the part or the material to assure the necessary quality level for the market



OUTSTANDING BUSINESS SUPPORT

- **What we have already:**

- No MOQ
- Lead times in line with customers' needs
- Catalogs, Xrefs and support material

- **What comes next :**

- Technical training
- Communication tools
- Installer focused tools

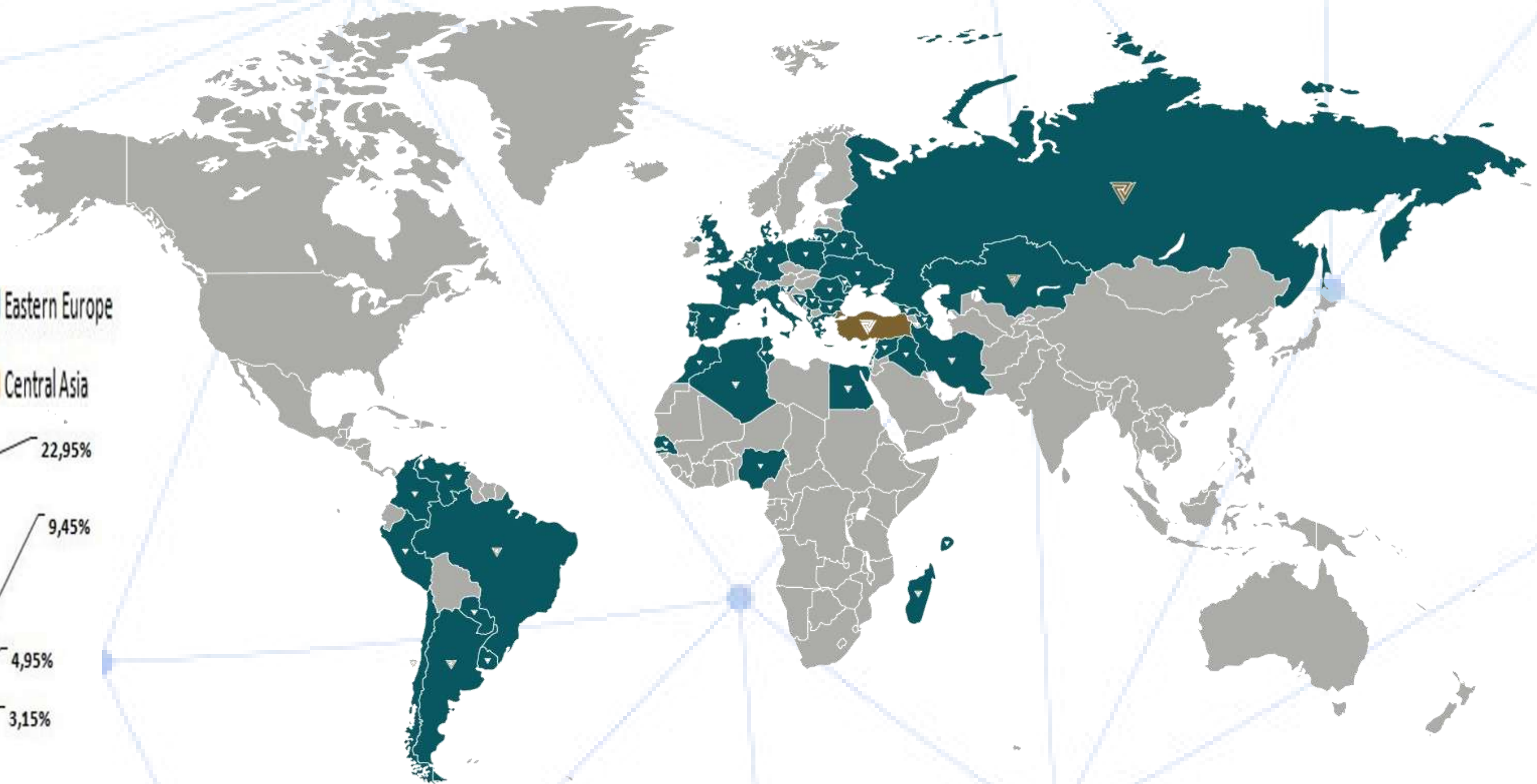
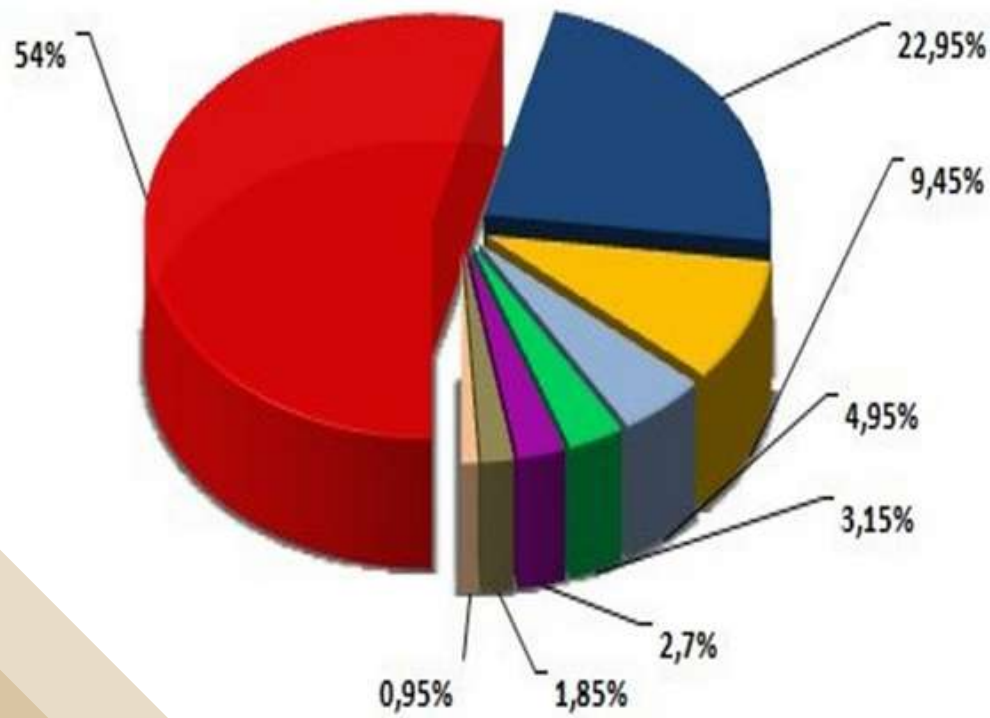
OUTSTANDING BUSINESS SUPPORT

- **TEC ALLIANCE CERTIFIED DATA PROVIDER**
- **ALDOC DATA PROVIDER**



MARKETING & SALES

- Turkish Market
- Western Europe
- North Africa
- Eastern Europe
- South America
- Middle east
- Rest of Africa
- Central Asia



MARKETING & SALES

SECTORAL PERFORMANCE AWARDS



2016



KOCAELİ SANAYİ ODASI
KOCAELİ CHAMBER OF INDUSTRY



2019

MARKETING & SALES

automechanika

FRANKFURT
ISTANBUL
BUENOS AIRES

EQUIP AUTO

PARIS
ALGERIA

AUTOMECA
14ª FEIRA INTERNACIONAL DE AUTOPEÇAS, EQUIPAMENTOS E SERVIÇOS

SAO PAULO / BRASIL



HUMANS OF ÜCEL

We invest in team building because we believe people are the most valuable resource we have.



Thank you

Danke

Merci

Gracias

Grazie

Gratias

Obrigado

Ευχαριστώ

Спасибо

הדוּת

مرکشتم

شکرا

Teşekkür Ederiz



UCEL®

RUBBER TO METAL EXPERT
KAUÇUK & METAL UZMANI



Çalı Sanayi Bölgesi 37 Sk. No16/B
16159

Nilüfer / BURSA / TÜRKİYE

Tel. : +90 224 482 46 30

Fax : +90 224 482 46 33

info@ucelrubber.com
export3@ucelrubber.com

JOIN US ON



www.ucelrubber.com