



UCEL®

**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

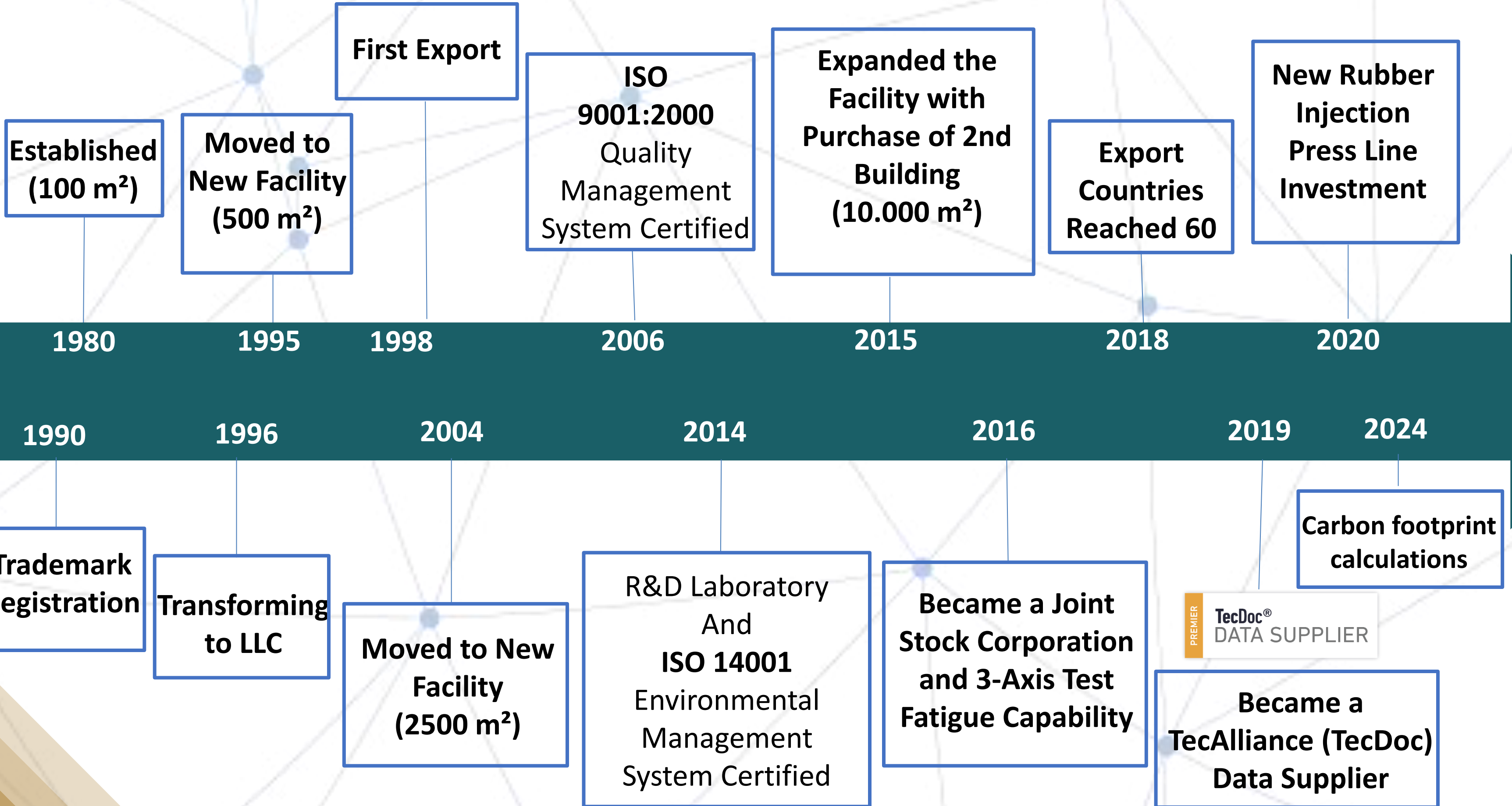




OUR STORY

ÜCEL Rubber was founded in **1980** in **Bursa**, the heart of the Turkish automotive industry. Since its establishment, with its quality-focused philosophy and dedicated team, **ÜCEL Rubber** has closely followed OEM part production and activities in both domestic and international markets. With its R&D department and testing laboratory, the company continues to serve the **after-market** sector.

ÜCEL HISTORY



**Established
(100 m²)**

**Moved to
New Facility
(500 m²)**

First Export

**ISO
9001:2000
Quality
Management
System Certified**

**Expanded the
Facility with
Purchase of 2nd
Building
(10.000 m²)**

**Export
Countries
Reached 60**

**New Rubber
Injection
Press Line
Investment**

1980

1995

1998

2006

2015

2018

2020

1990

1996

2004

2014

2016

2019

2024

**Trademark
Registration**

**Transforming
to LLC**

**Moved to New
Facility
(2500 m²)**

**R&D Laboratory
And
ISO 14001
Environmental
Management
System Certified**

**Became a Joint
Stock Corporation
and 3-Axis Test
Fatigue Capability**

**PREMIER
TecDoc®
DATA SUPPLIER**

**Became a
TecAlliance (TecDoc)
Data Supplier**

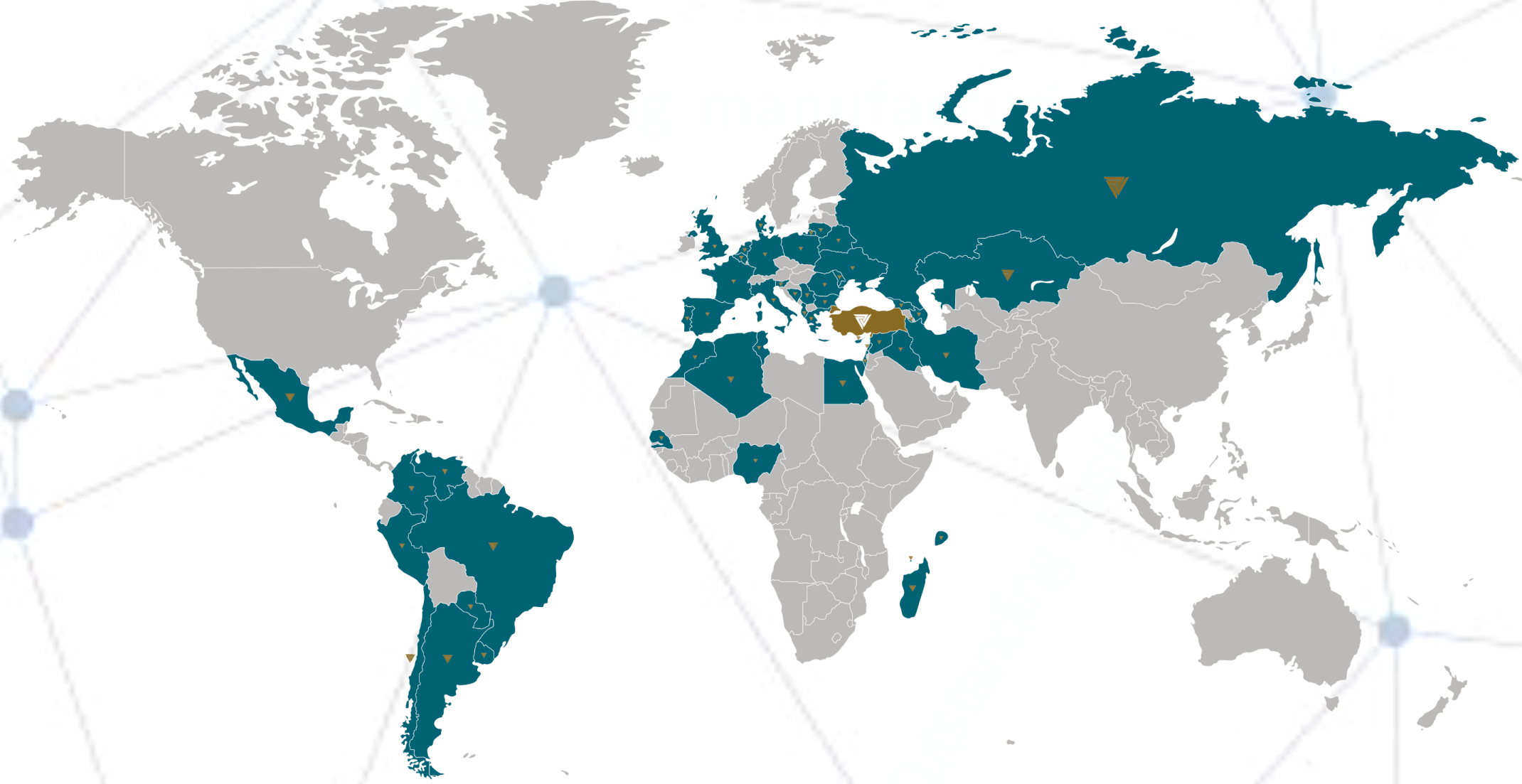
**Carbon footprint
calculations**

Mastering manufacturing

Unrivalled product offer

Outstanding business support

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



4.000+ PRODUCT REFERENCE

PRODUCTION EXPERIENCE SINCE **1980**

20.000+

PASSENGER CARS & LCV
MODEL APPLICATIONS

4 CONTINENT **60** COUNTRY

R&D & TESTING
LABORATORY

OUR PRODUCT RANGE

Mounts



- Engine Mount
- Hydraulic Engine Mount
- Transmission Mount
- Crank Pulley
- Shock Absorber Mounts
- Exhaust Mounts

Bellows



- Axle Boots
- Shock Dust Boots
- Steering Boots
- Air Filter Boots
- Bearing Axle Boots

Hoses



- Radiator Hoses
- Turbo Hoses
- Fuel Hoses
- Air Filter Hoses
- Oil Hoses
- Heater Hoses
- Air Conditioning Hoses

Bushings



- Control Arm Bushings
- Shock Absorber Bushings
- Engine Cradle Bushings
- Tie Rod End Bushings
- Helical Bushings
- Rear Crossmember Bushings

OUR PRODUCT RANGE

Crank Pulley



Rubber and Metal Parts



Water Tanks



- Expansion Tanks (Water Tanks)
- Pedal Rubbers
- Stabilizer Rubbers

- 4,000+ Product references
- 20,000+ Passenger Cars & LCV compatibilities
- 250 New product references (Annually)

RESEARCH & DEVELOPMENT

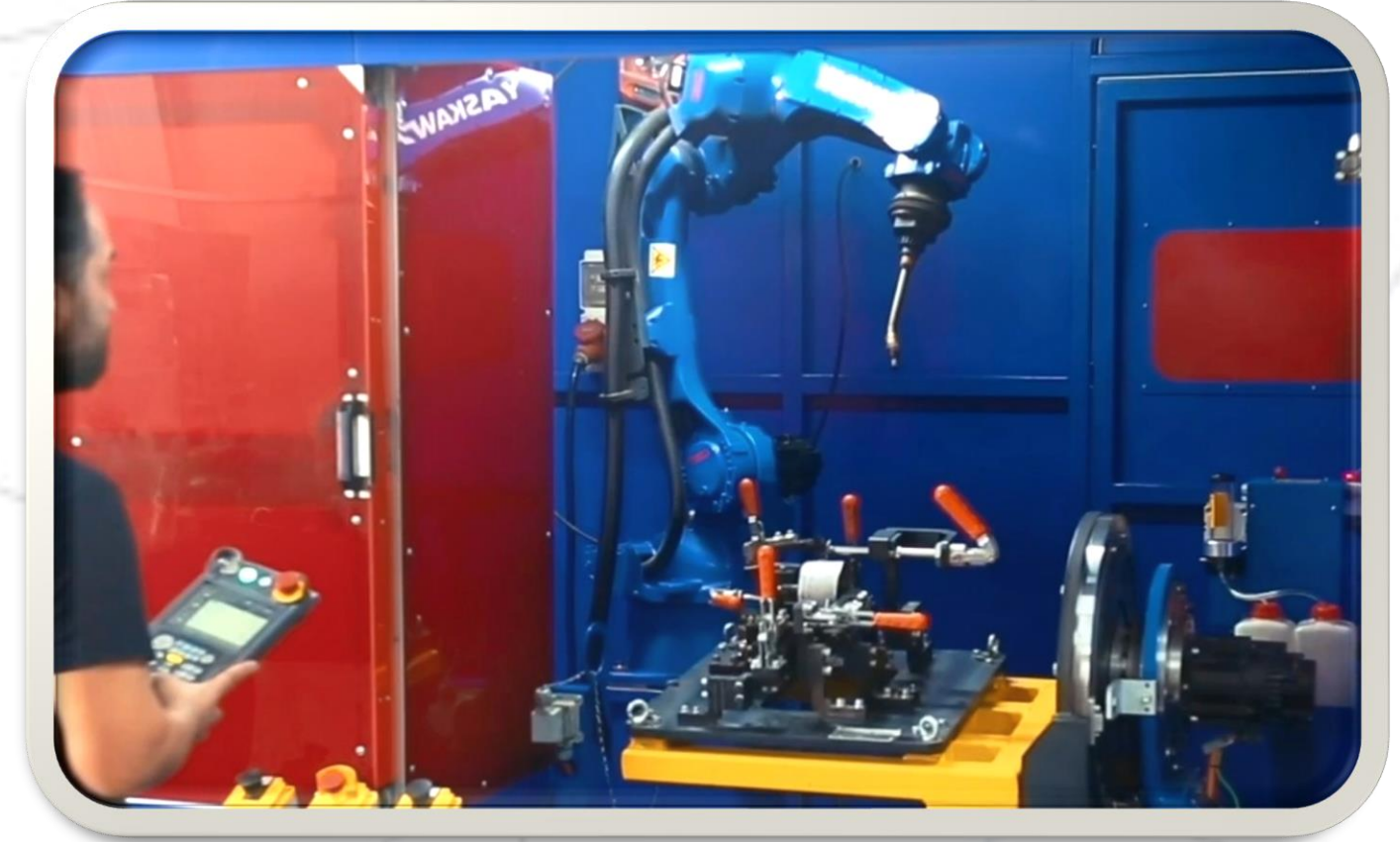
Extensive Market Knowledge

- Market Research and Analysis
- Deep knowledge and coverage of the local and international car park



PRODUCTION CAPACITY

- Our factory produces 5,000,000 and more parts per year with its more than 200 personnel at 15 stations.
- Our main stations; Vulcanization, Sheet Press, Aluminum Injection, Plastic Injection and Assembly lines
- Production is made over 200 machines
- An average of 250 new products are put into use annually



Current investments

- 28 Pcs Vulcanization Presses
- 3 Pcs Aluminum Injection Presses
- 3 Pcs Plastic Injection Presses
- 7 Pcs Eccentric Presses
- 3 Pcs Hydraulic Presses
- 15 Pcs Hydraulic Assembling Presses
- Compound Finalizing Line
- Surface Preparation Line
- Pipe Cutting Line
- Fully Automated Welding Robot
- Pulley (Pully) Production Line (4 CNC Lathes)
- Mold Production Line (6 CNC Lathes)
- Mold Maintenance Line(6 Classical CNC Lathes)

Planned investments

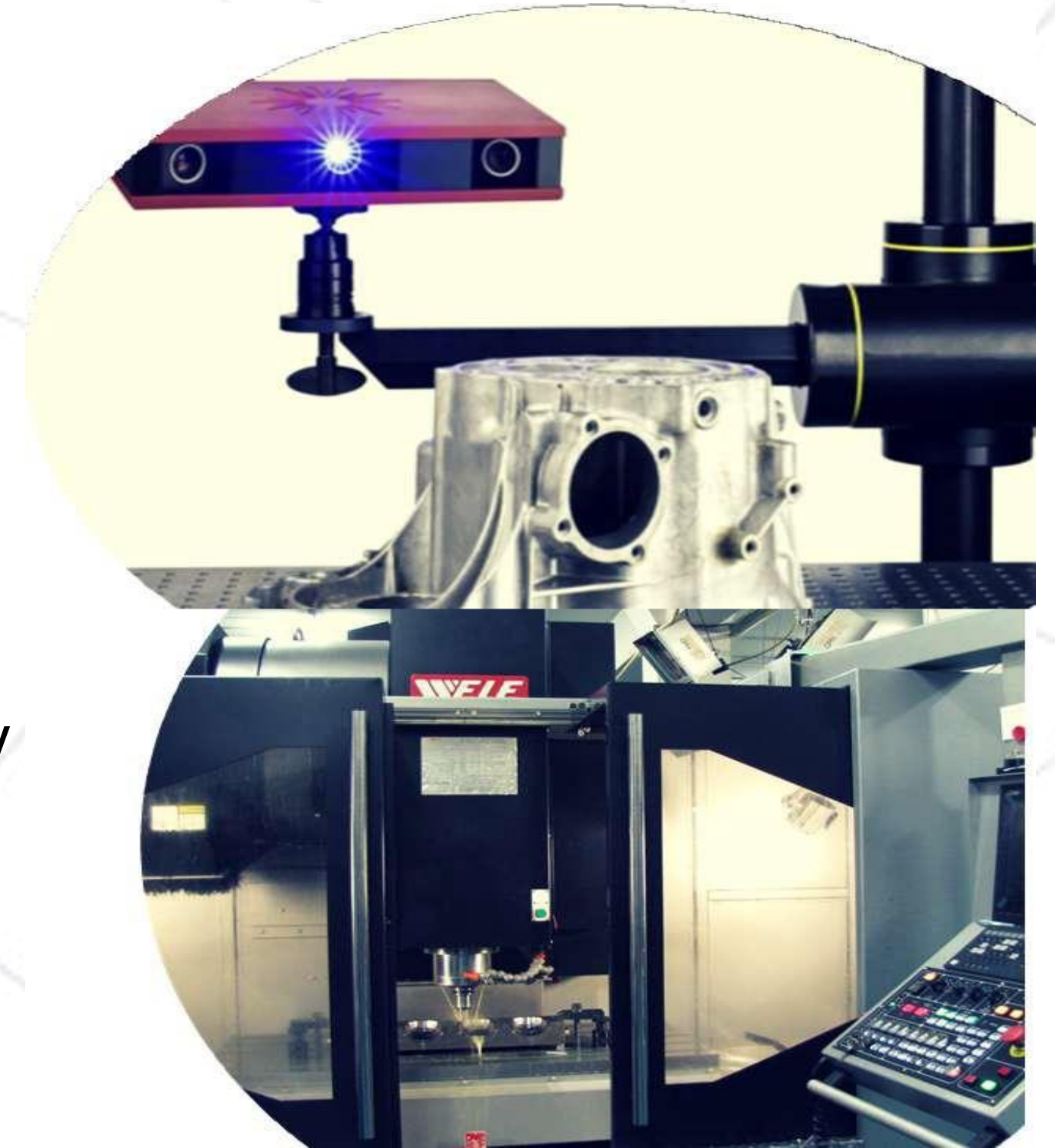
- 3D Printer (Metal, Rubber, Plastic)
- Spectrometer
- Automated Assembly Line
- New Facility (50.000m²)

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,VISI,MASTERCAM world wide
used software for design & modelling

ANSYS, powerful tool for simulation
& analysis



QUALITY CONTROL

Tensile strength

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



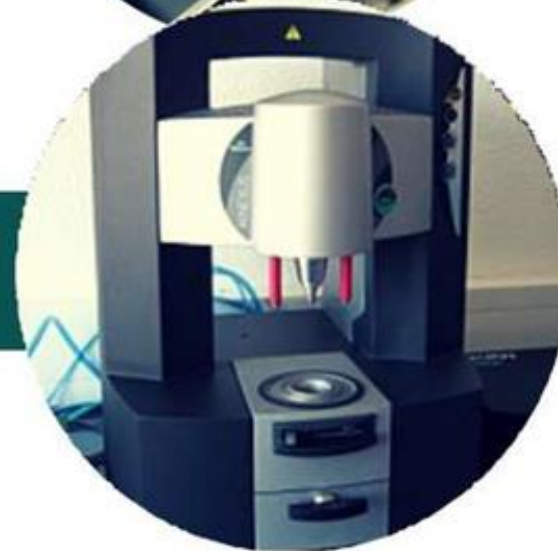
Fatigue tests

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



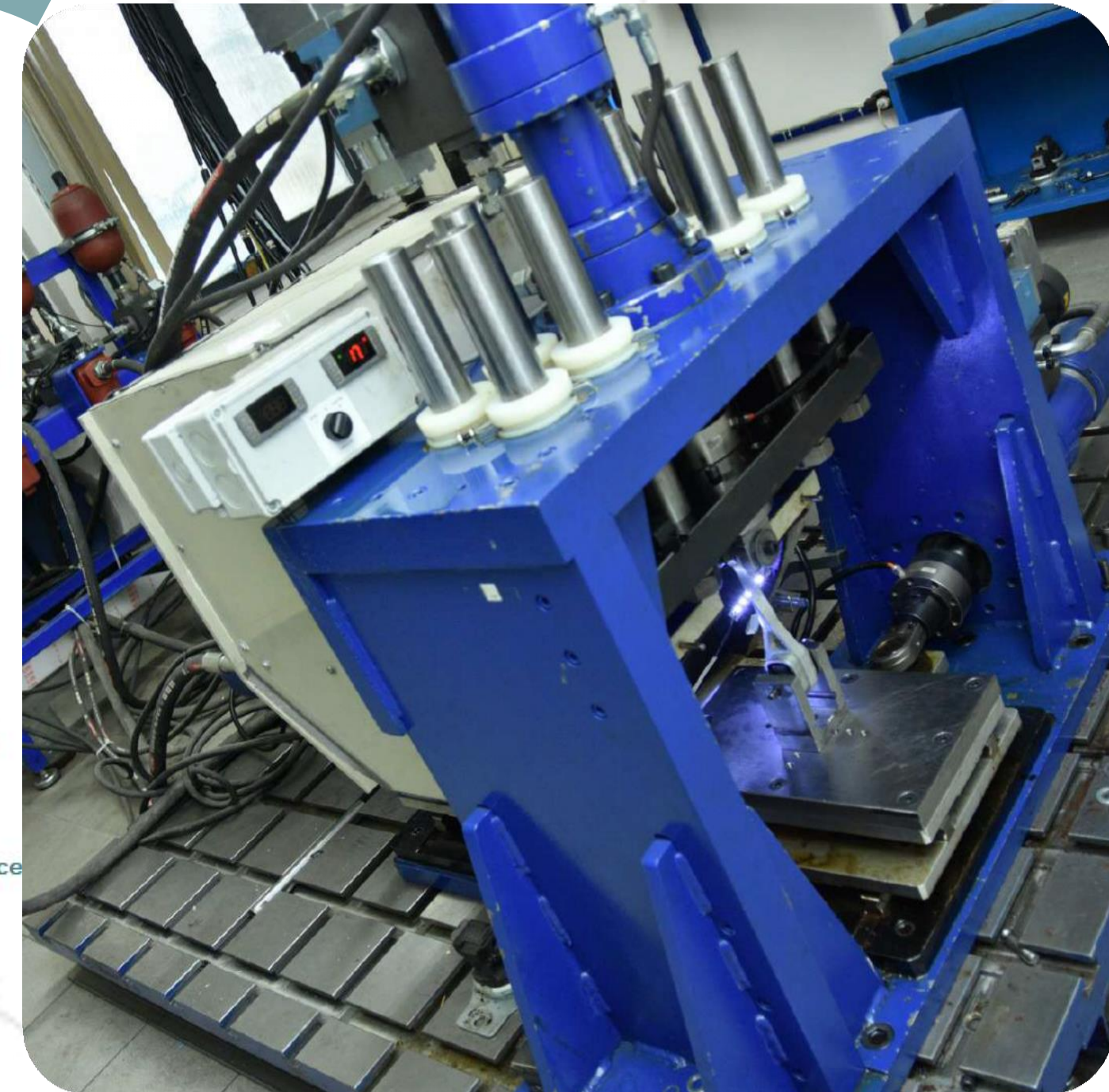
Rheometric tests

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



Load & force test

Measurement of the effect of force applied to rubber parts by applying force to rubber



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



Compression Set

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



Density measurement

It is the test in which rubber density is measured.



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



QUALITY MANAGEMENT

TQS

CERTIFICATE

T.K.S. Uluslararası Belgelendirme Gözetim ve Teknik Kontrol Tic. Ltd.Şti.
according to the audit process hereby certifies that

**ÜÇEL KAUÇUK TAŞIT ARAÇLARI OTOMOTİV
YEDEK PARÇA SAN. VE TİC. A. Ş.**



Çalı Mah. 37. (410) Sok. B Blok No: 16 / B Nilüfer / BURSA / TURKEY

has established and applies a management system for

**Production of rubber and rubber-metal spare parts consisting aluminum parts
by injection method, rubber, metal and bushes for automotive industry**

on the requirements of

ISO 45001:2018

of validity of the document depends on the annual surveillance au

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SUSTAINABILITY

Sustainability is the principle of meeting today's needs without compromising the ability of future generations to meet their own needs. This concept encompasses environmental, economic, and social dimensions and is generally based on the following three fundamental principles:

- 1. Economic Sustainability:** Ensuring economic growth and promoting sustainable development. This requires economic systems to be efficient and stable in the long term. For example, the efficient use of resources, fair trade, and reducing economic inequalities.
- 2. Social Sustainability:** Ensuring the well-being and social justice of societies. This includes the protection of human rights, access to education and healthcare services, gender equality, and social inclusion.
- 3. Environmental Sustainability:** Protecting and managing natural resources, maintaining the health of biodiversity and ecosystems. Examples include the use of renewable energy, preserving water and air quality, and implementing waste management practices.

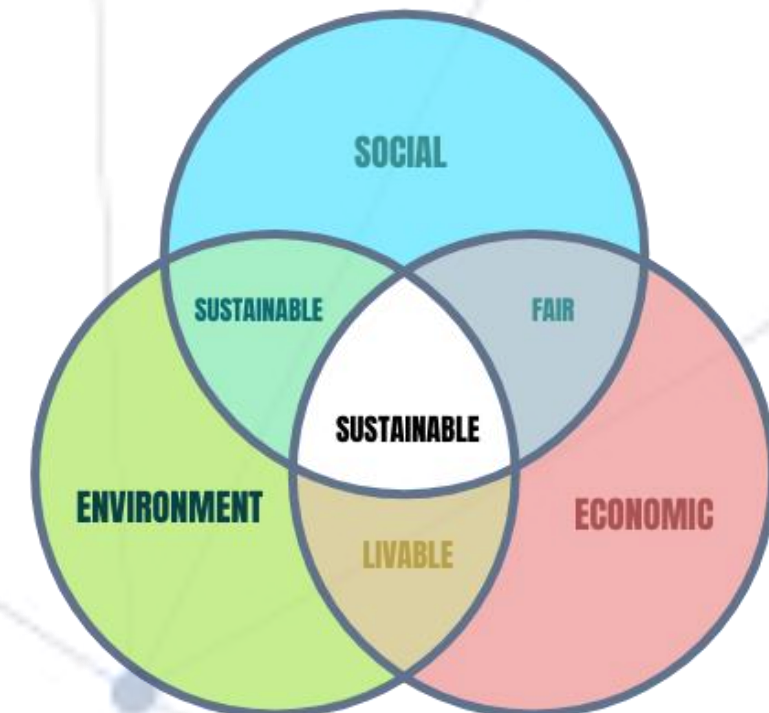
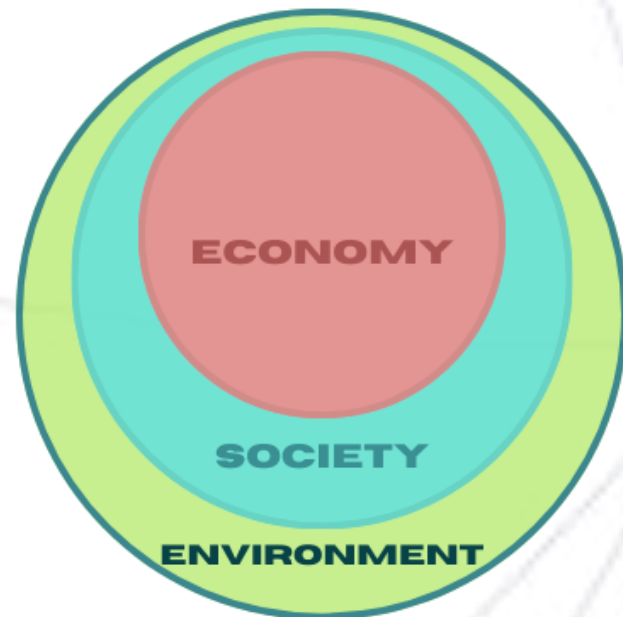
Sustainability requires individuals, communities, and governments to make more conscious decisions and consider the needs of future generations. This concept plays a crucial role today, especially in addressing global issues such as climate change, environmental pollution, and the depletion of natural resources.

As **ÜCEL Rubber**, we are committed to complying with national and international regulations and other requirements in our activities and projects. We fulfill all obligations by making commitments to this effect.

With our expert environmental team, we keep track of the updates in regulations and other requirements and promptly adapt to changing conditions.

We have initiated the following efforts:

- **ISO 14064:** Calculation of the company's carbon footprint,
- **ISO 14067:** Calculation of the product carbon footprint,
- **ISO 14046:** Calculation of the water footprint.



OUTSTANDING BUSINESS SUPPORT

- **TECDOC PREMIER DATA
SUPPLIER**

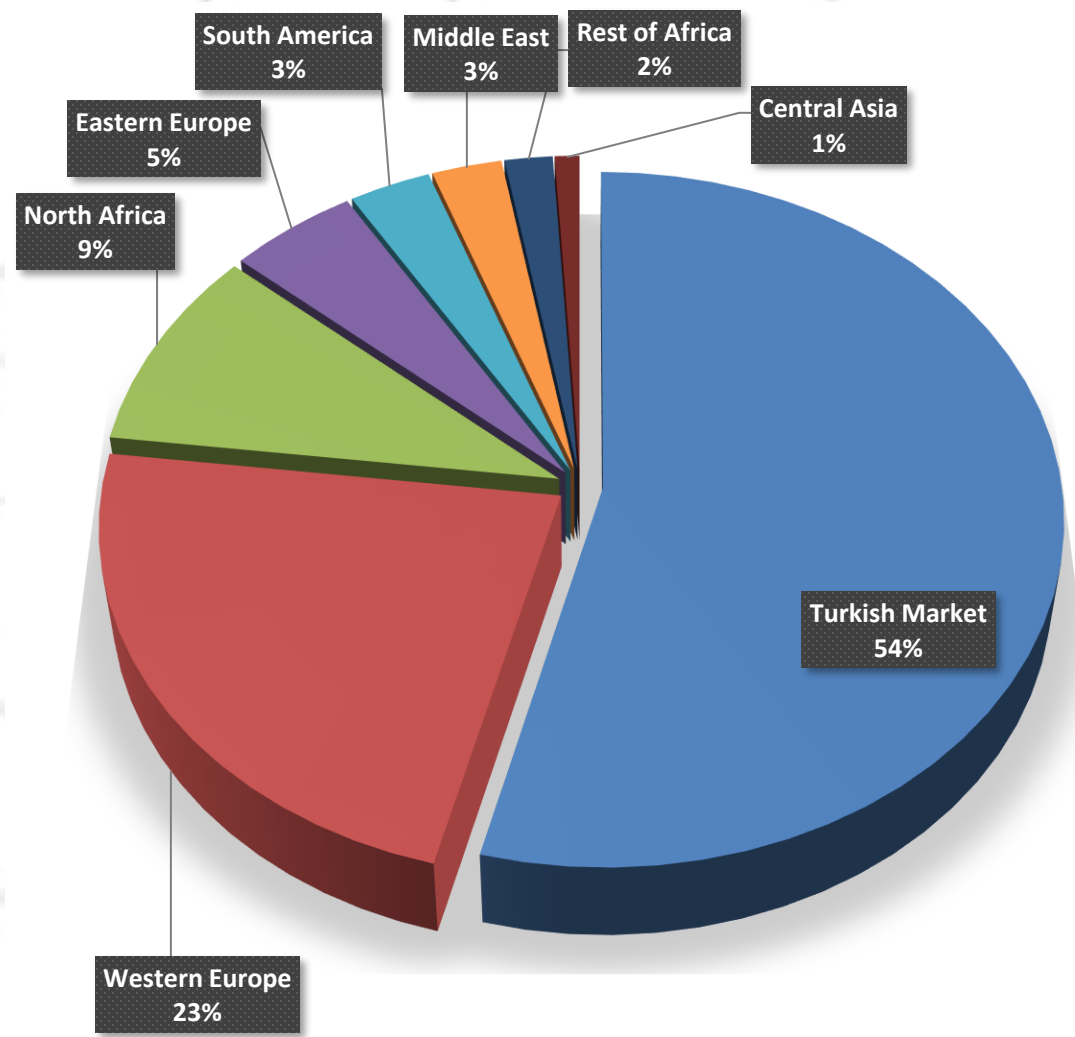
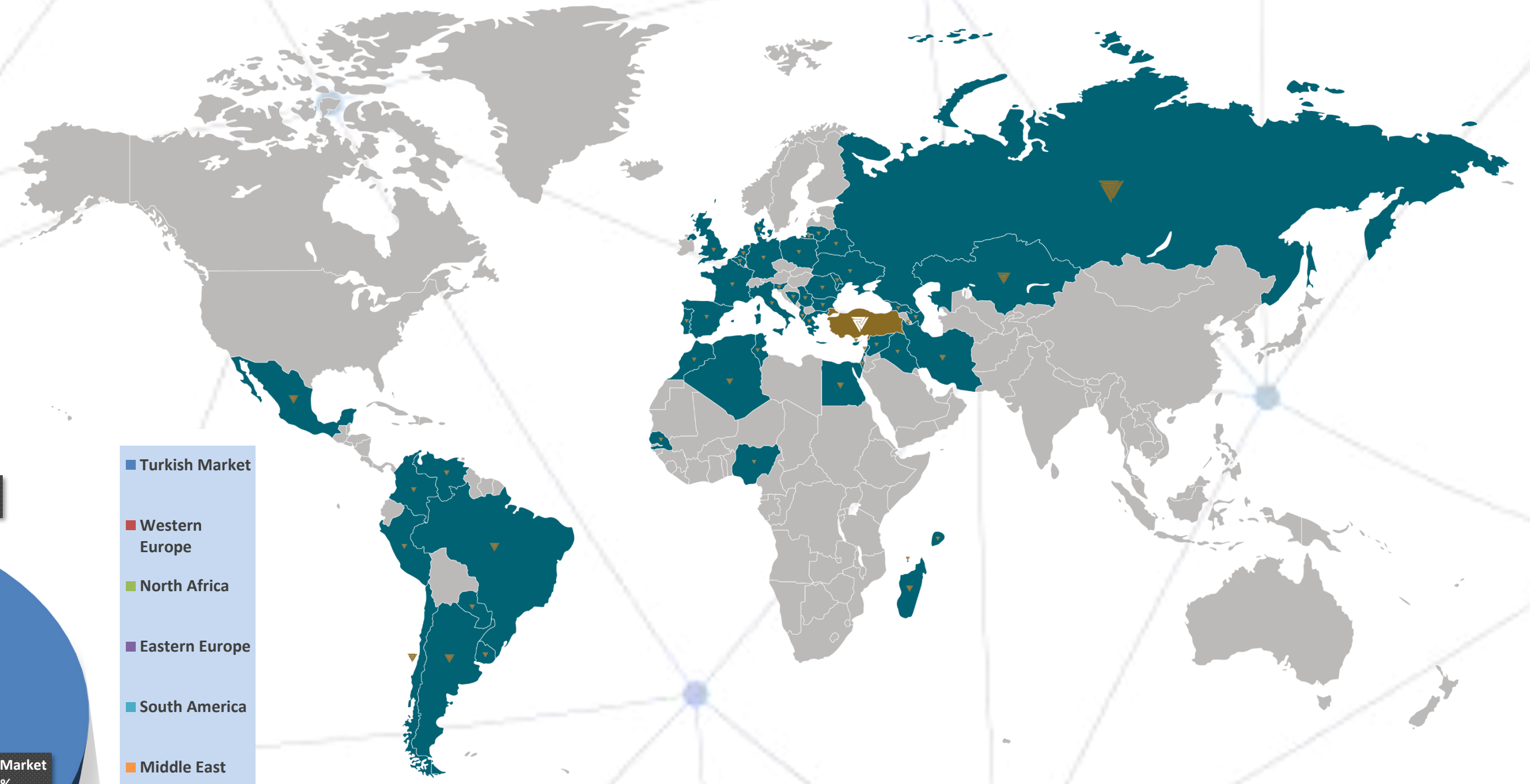
PREMIER

TecDoc®
DATA SUPPLIER

- **ALDOC DATA PROVIDER**

ALDOC 

MARKETING & SALES



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

automechanika

- FRANKFURT
- ISTANBUL
- MOSKOW
- BUENOS AIRES



EQUIP AUTO

- PARIS
- ALGERIA

AUTOMECA

- SAO PAULO / BRASIL



SECTORAL PRESENCE

AFM '23
AFTERMARKET SUMMIT



Otomotiv Satış Sonrası
Ürün ve Hizmetleri Derneği



SECTORAL PERFORMANCE AWARDS



2019



2021



2022



2023



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



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KAUÇUK & METAL UZMANI



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