

MARTURFOMPAK

I N T E R N A T I O N A L

Company Presentation

October 2024

Reshaping mobility with responsible solutions

VISION

Reshaping mobility
with responsible
solutions



FUTURE

MISSION

As an innovative strategic partner, we supply the highest standards of services through sustainable and accessible cockpit systems.



FUTURE

CORE VALUES

WE CARE

- For people
- For our company
- For transparent communication
- For quality
- For customers
- For the environment

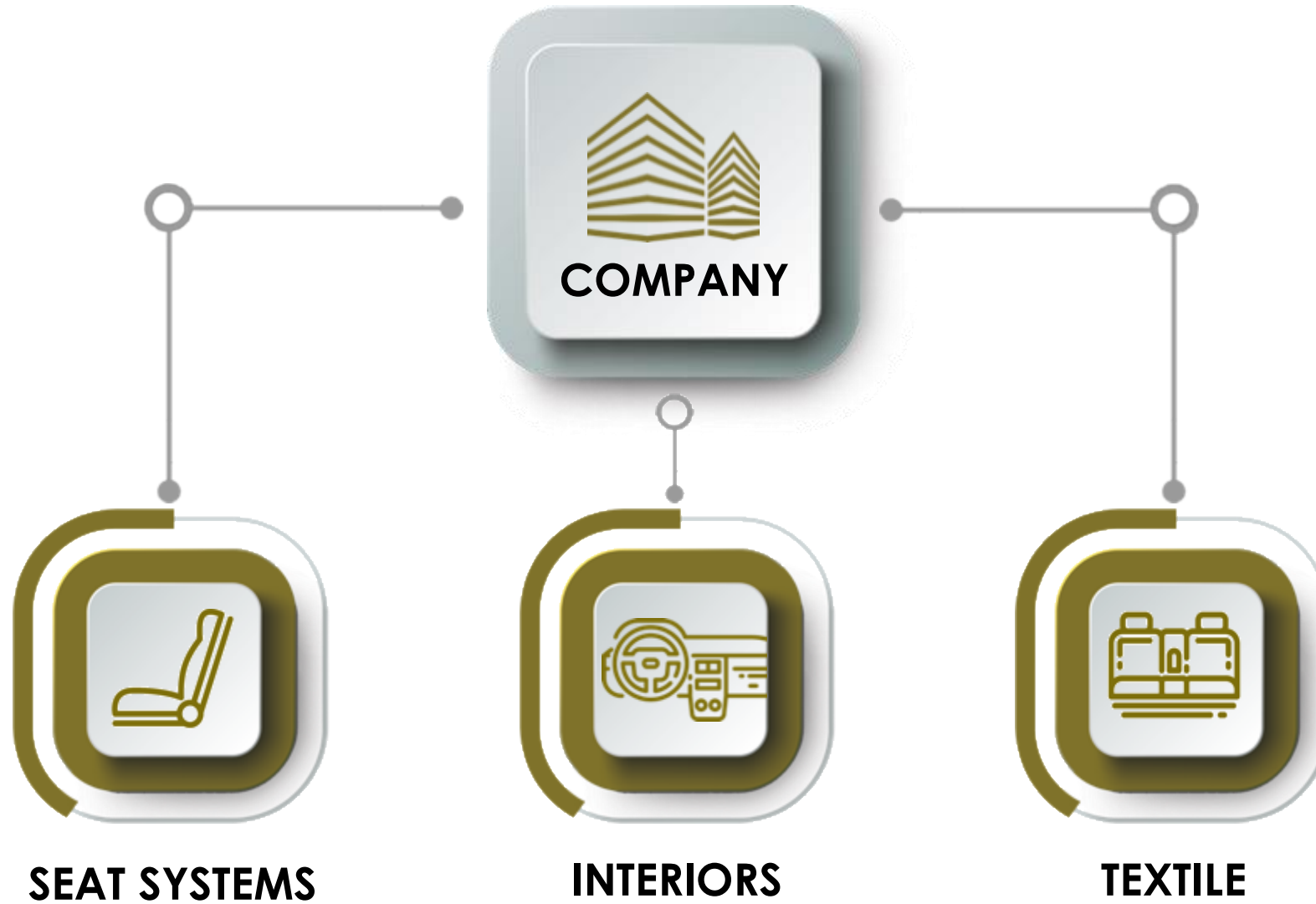
WE SHARE

- Success and experience
- Innovation and technology

WE DARE

- To try
- To evolve
- To create
- To develop

FUTURE



Since 1986,
a strategic global
presence to offer
the best service

Since 2017,
**World Bank is a
stakeholder:**
a sign of reliability

5 R&D Centers
6 E&D Centers,
globally positioned,
highly dedicated and
specialized design
teams

**A vertical
integration,**
from raw
materials to final
products

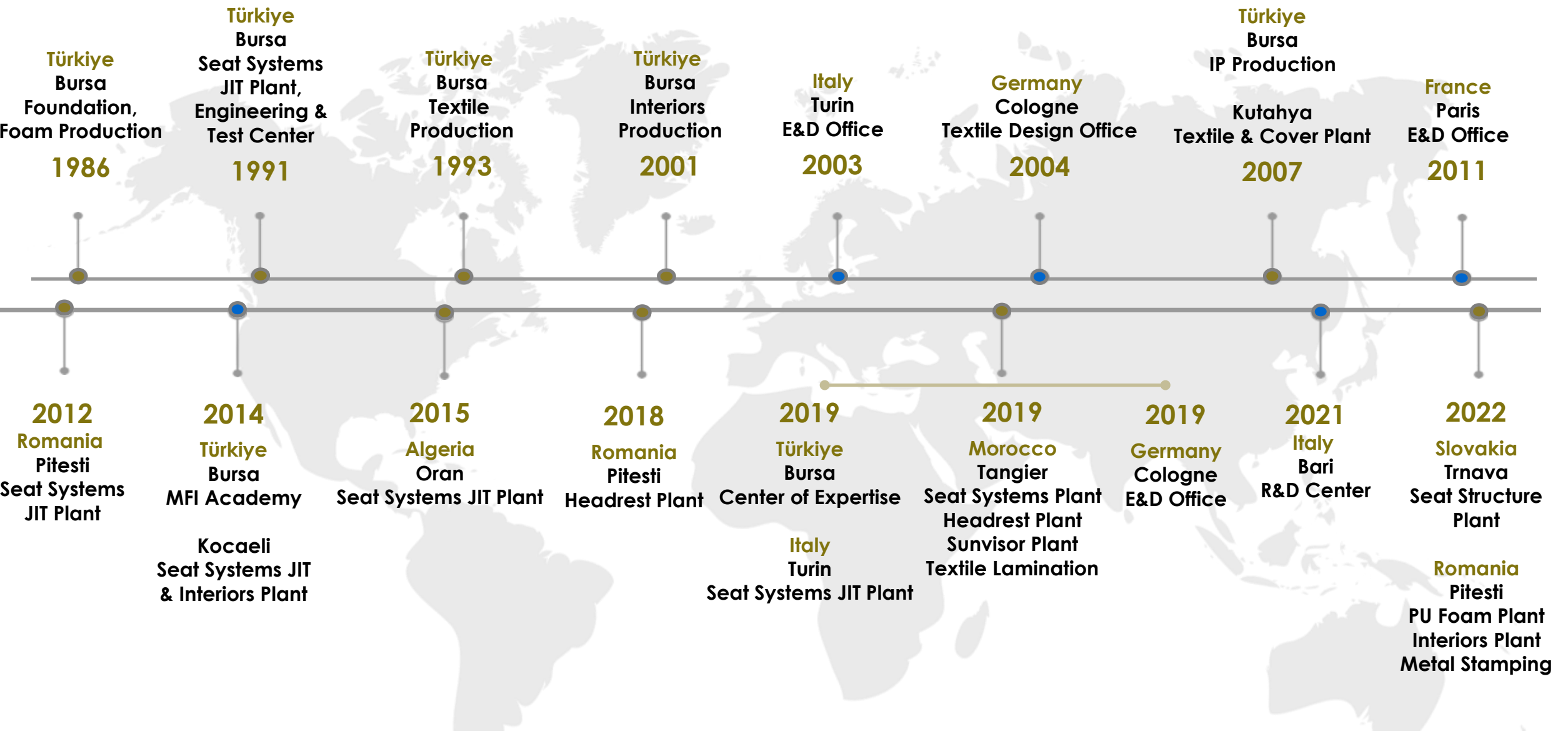
**Global
footprint**
by strategic
alliances

17 sites
30 plants

8.200+
employees
worldwide

Production in
6 countries,
3 continents

Milestones



Abarth

Alfa Romeo

Alpine

Audi

Citroën

Dacia

Dodge

DS

Fiat

Ford

Lancia

Maserati

Nissan

Peugeot

Renault

Škoda

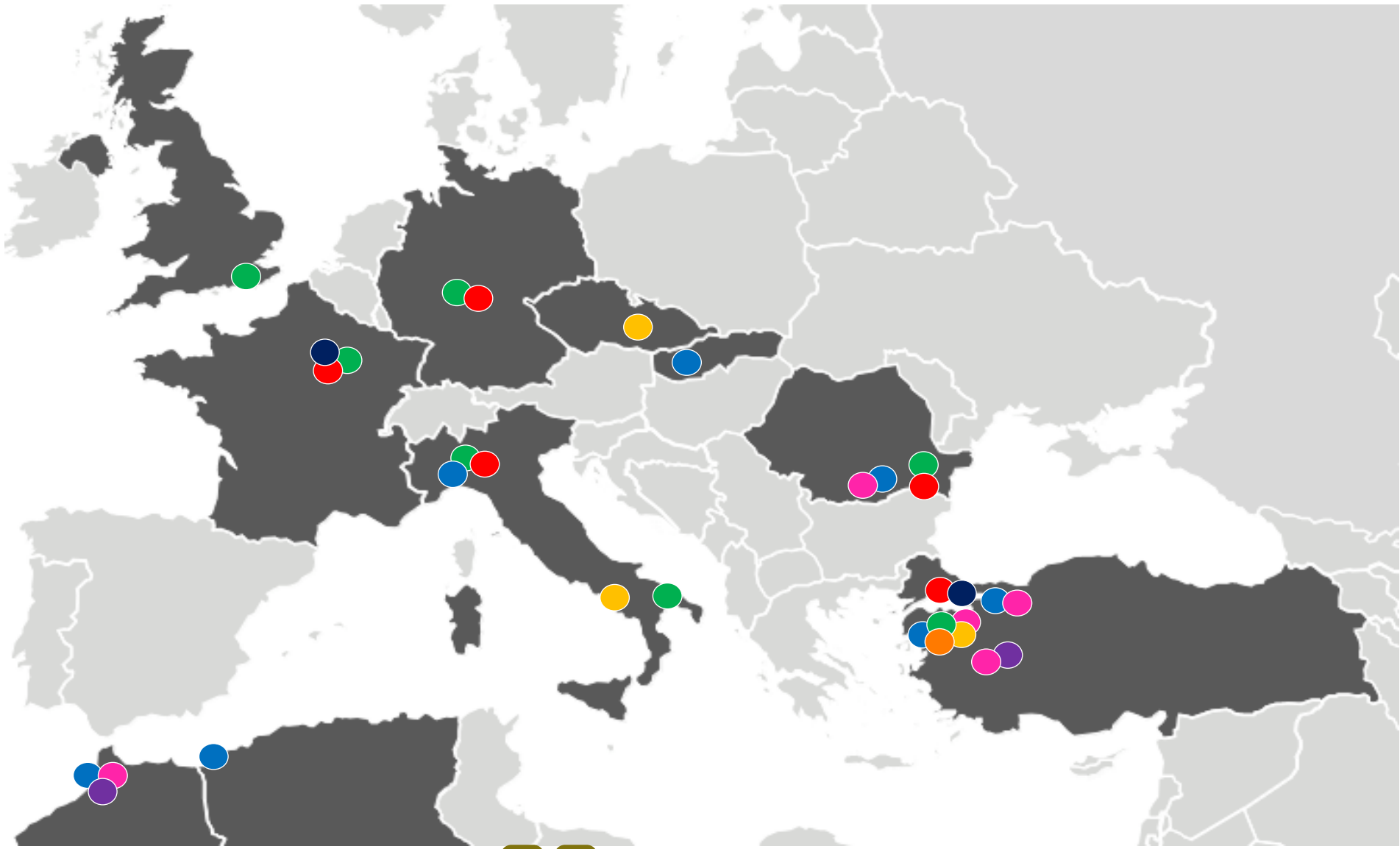
Togg

Toyota

Volkswagen

Locations

- HEADQUARTERS
- SALES OFFICES
- E&D - R&D
- CENTER OF EXPERTISE (Test Center)
- SEAT SYSTEMS PLANTS
- INTERIORS PLANTS
- TEXTILE PLANTS
- ADVANCED WAREHOUSES



HEADQUARTERS
Istanbul

SALES
Istanbul

E&D - R&D
Bursa

CENTER OF EXPERTISE
Bursa




SEAT SYSTEMS & HEADREST PLANTS
Bursa (3)
Kocaeli

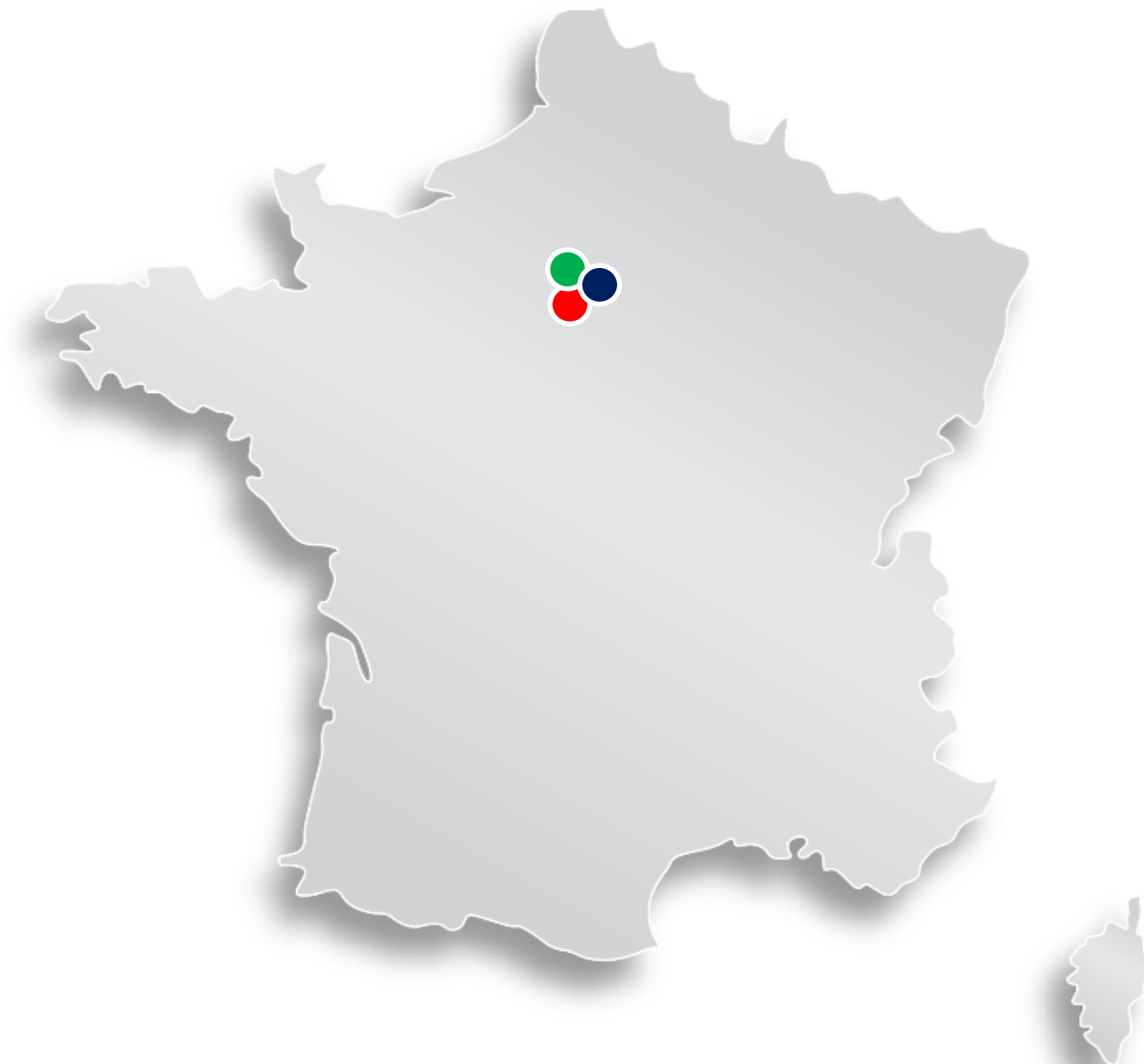
INTERIORS PLANTS
Bursa (2)
Kütahya
Kocaeli





TEXTILE PLANT
Kütahya

WAREHOUSE
Bursa



-  **HEADQUARTERS**
Paris
-  **SALES**
Paris
-  **E&D - R&D**
Paris



-  **SALES**
Turin
-  **E&D – R&D**
Turin, Bari
-  **ADVANCED WAREHOUSE**
Salerno
-  **SEAT SYSTEMS PLANT**
Turin



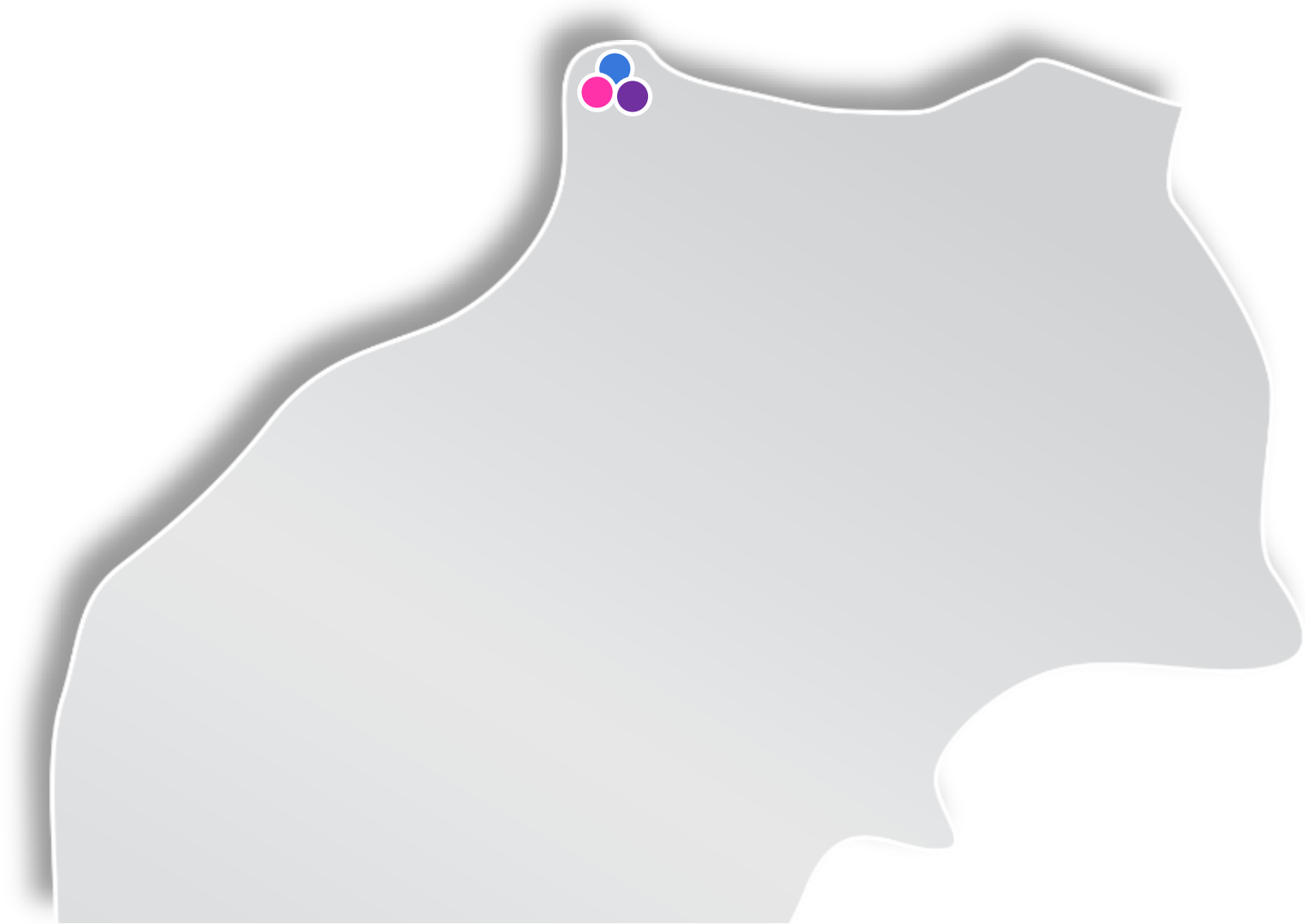
- SALES**
Bucharest
- E&D**
Bucharest
- SEAT SYSTEMS & HEADREST PLANT**
Pitesti
- INTERIORS PLANT**
Pitesti




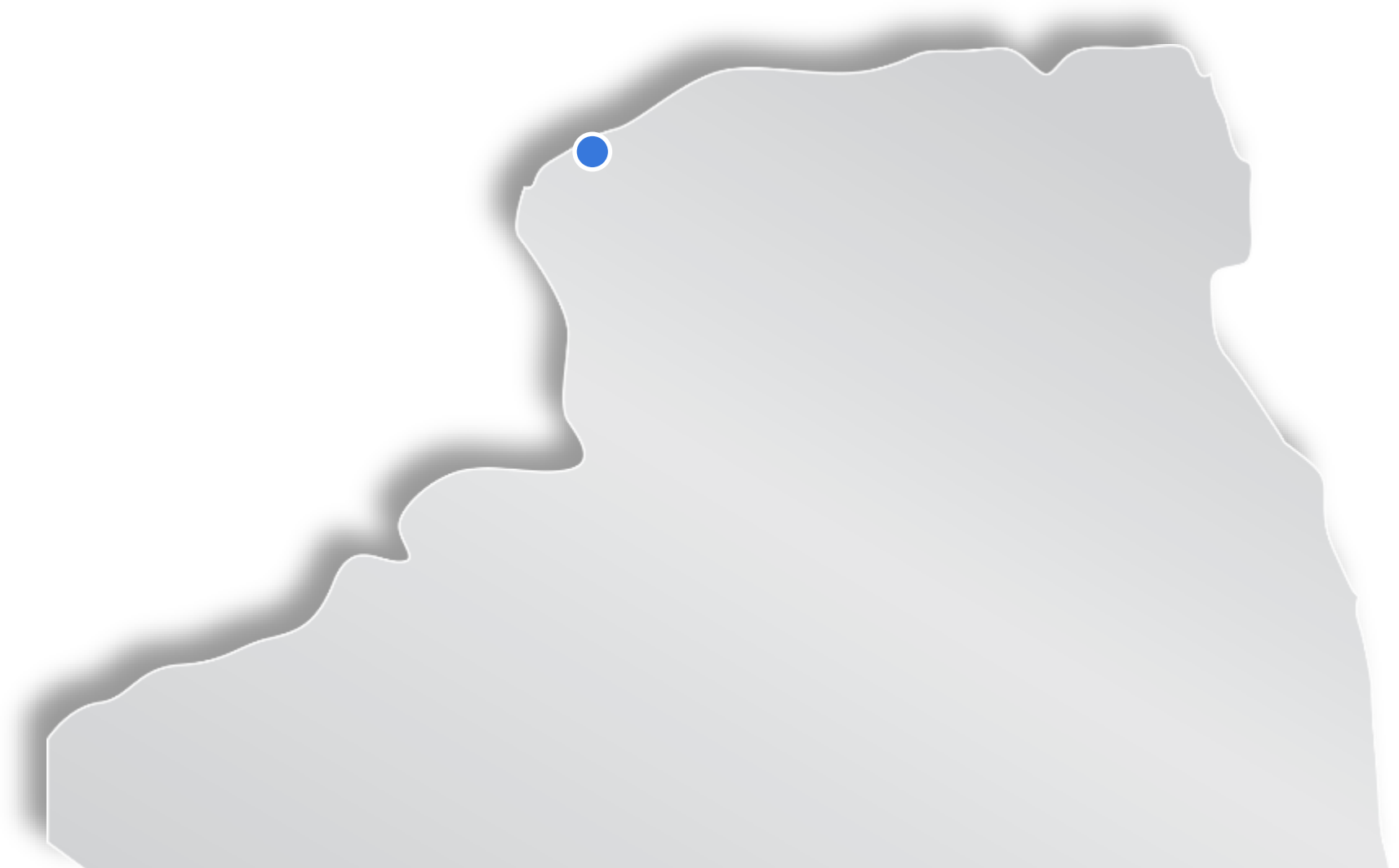
 **SEAT SYSTEMS & HEADREST PLANT**
Tangier

 **INTERIORS PLANT**
Tangier

 **TEXTILE PLANT**
Tangier





 **SEAT SYSTEMS PLANT**
Oran



 **SEAT SYSTEMS PLANT**
Trnava



-  **SALES**
Cologne
-  **E&D – R&D**
Cologne



 **R&D**
London

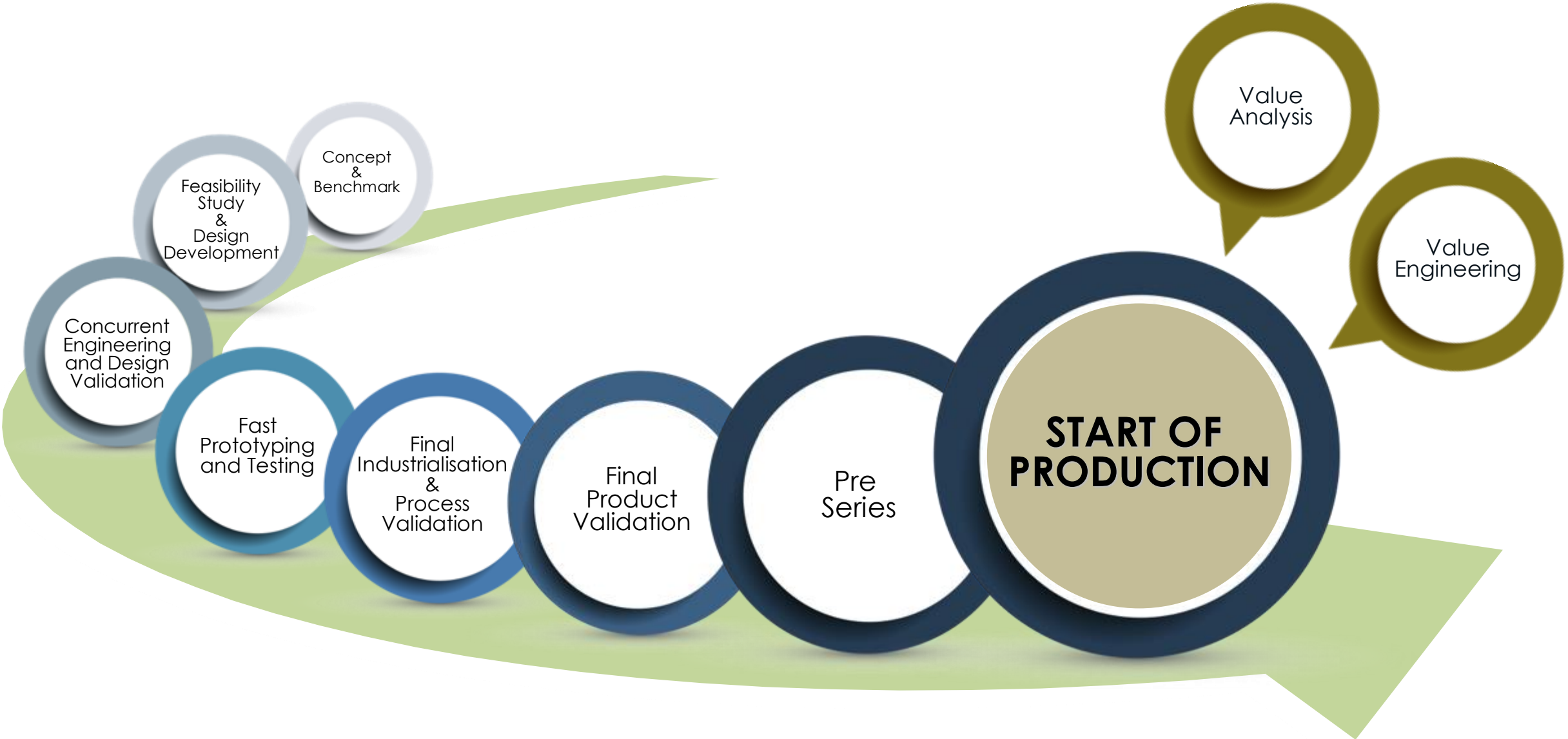




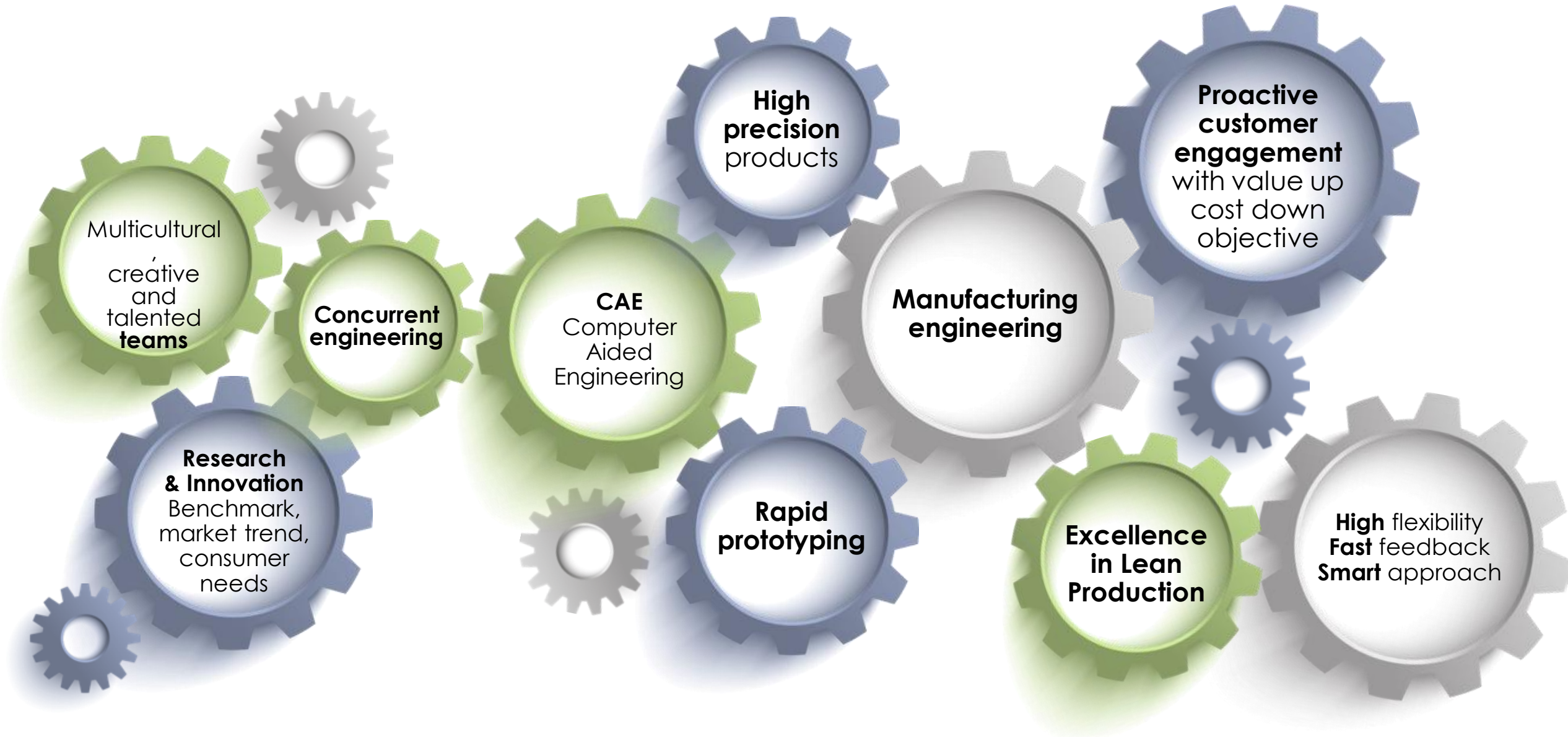
ADVANCED WAREHOUSE

Prague





Strengths

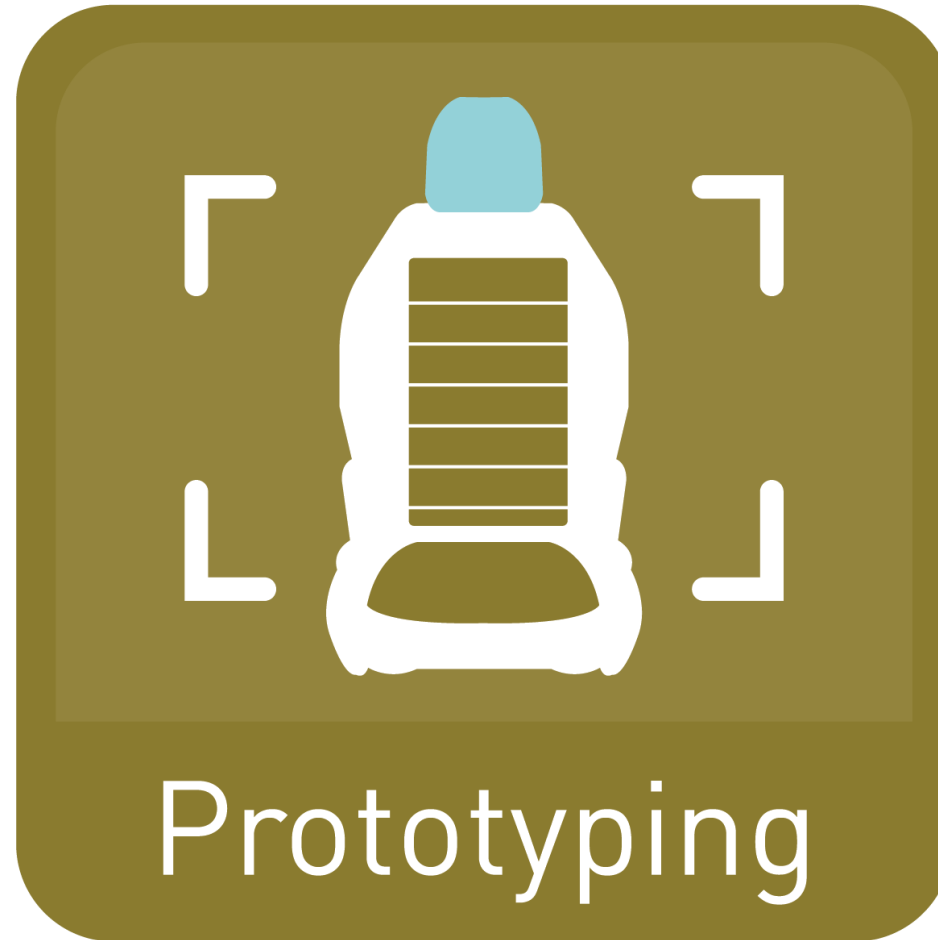


E&D Softwares

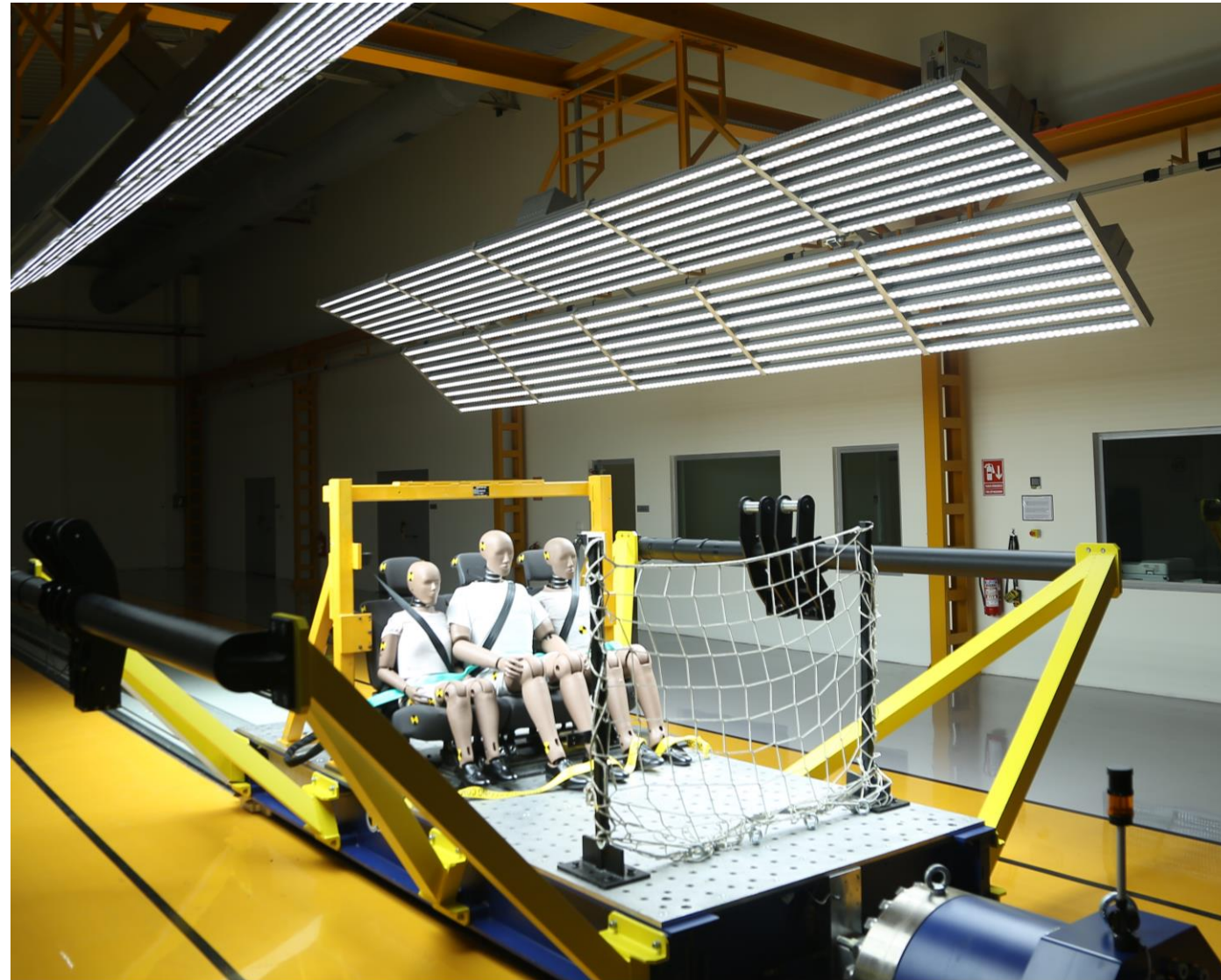
6 Development Centers







- Sled Test Lab
- Vehicle Level (BIW)
- Seat and Restraint Systems
- Airbag Deployment Tests
- Fatigue Tests in Climatic Conditions
- Seat Belt Anchorage Tests
- Robot Test Banches
- Static Load Tests
- Physical Characteristics Measurement
- Atos Compact Scanner
- Adhesion Tests
- Appearance Tests
- Flammability Tests
- Light Fastness Tests
- Spectrometer
- Acoustic Tests



Partnerships

Raw Material Producers

(Research Innovation Technical Centers)

Fine Blanking Producers

Electronic Devices Producers

(microcameras, sensors, nano-biotechnologies, etc.)

Alliances

Mario Levi (Italy - leather covers)

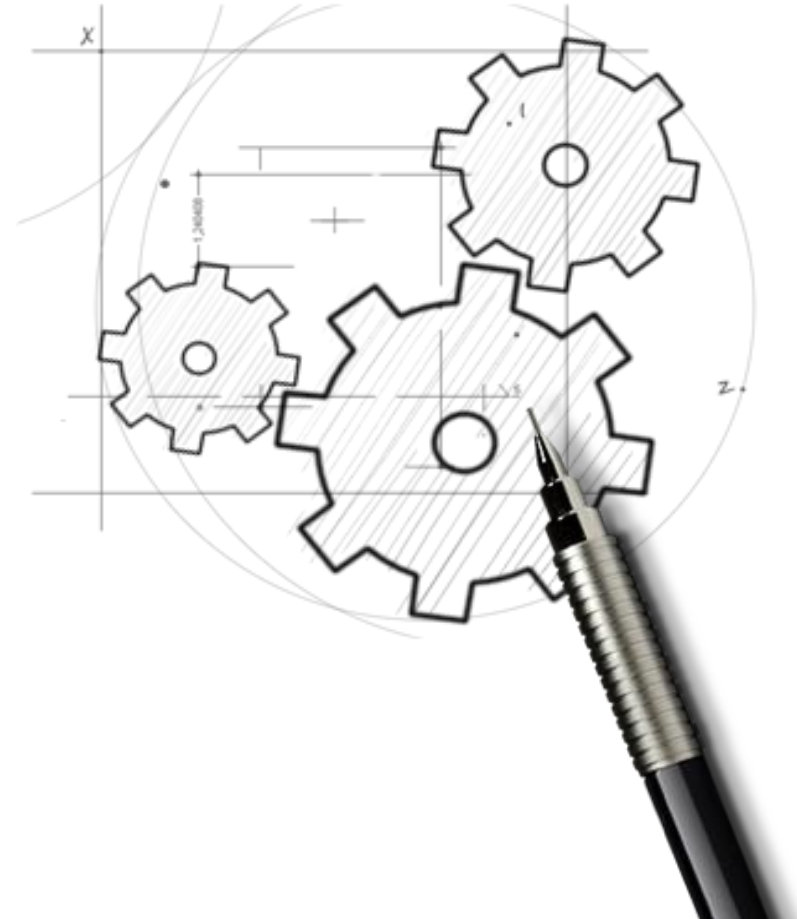
Tachi-S Co. Ltd (Japan - US) to ensure our customers a global service related to seat frame & seat supply



The Company is fully oriented to the future

Several programs are launched with the major world universities to establish projects for future innovative cockpit

Politecnico / Turin, Italy
TU Delft / Holland
I.T.U. / Istanbul, Türkiye
IBV / Spain
METU / Ankara, Türkiye



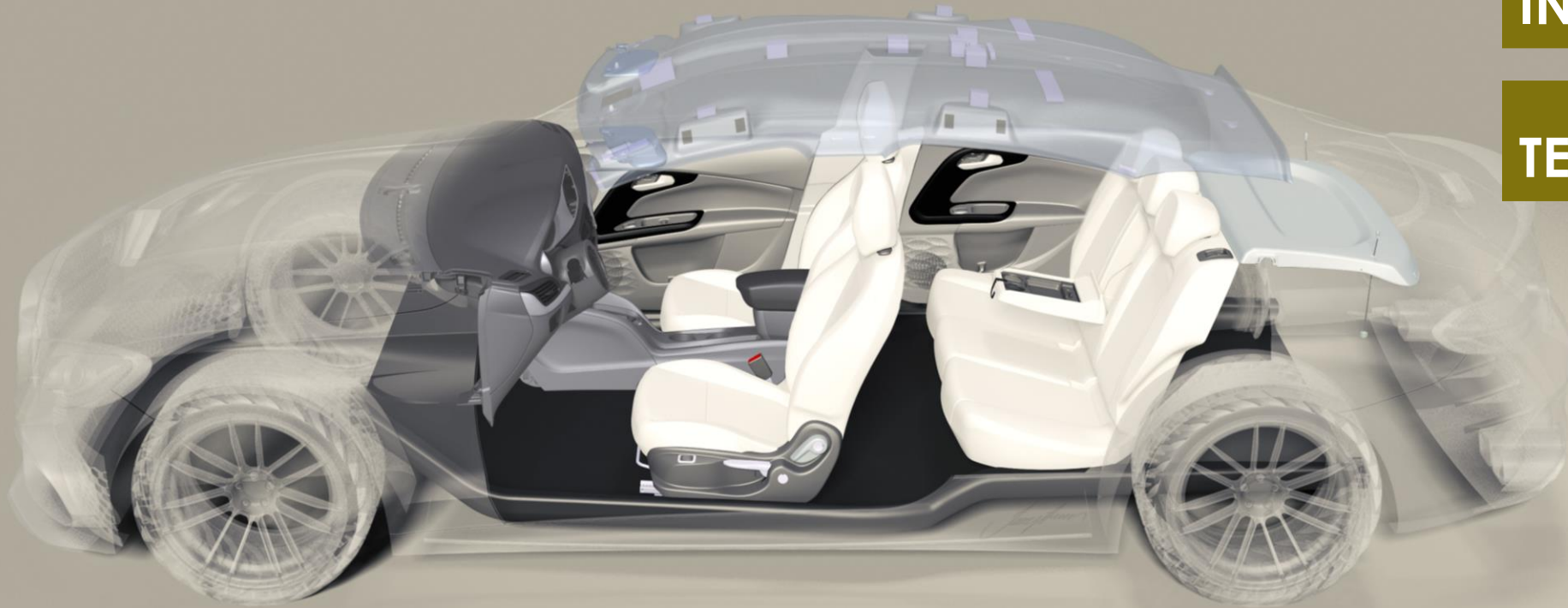
- **Sustainability** : We are committed to UN Global Compact principles
- Support to **Education & Training**
- **Environmental** sensitivity
- **Sports** summer camps and tournaments
- Online and Offline **Social activities**



SEAT SYSTEMS

INTERIORS

TEXTILE





SEAT SYSTEMS



INTERIORS



TEXTILE



E&D - R&D

Bursa
Paris
Turin
Bari
Cologne
Bucharest



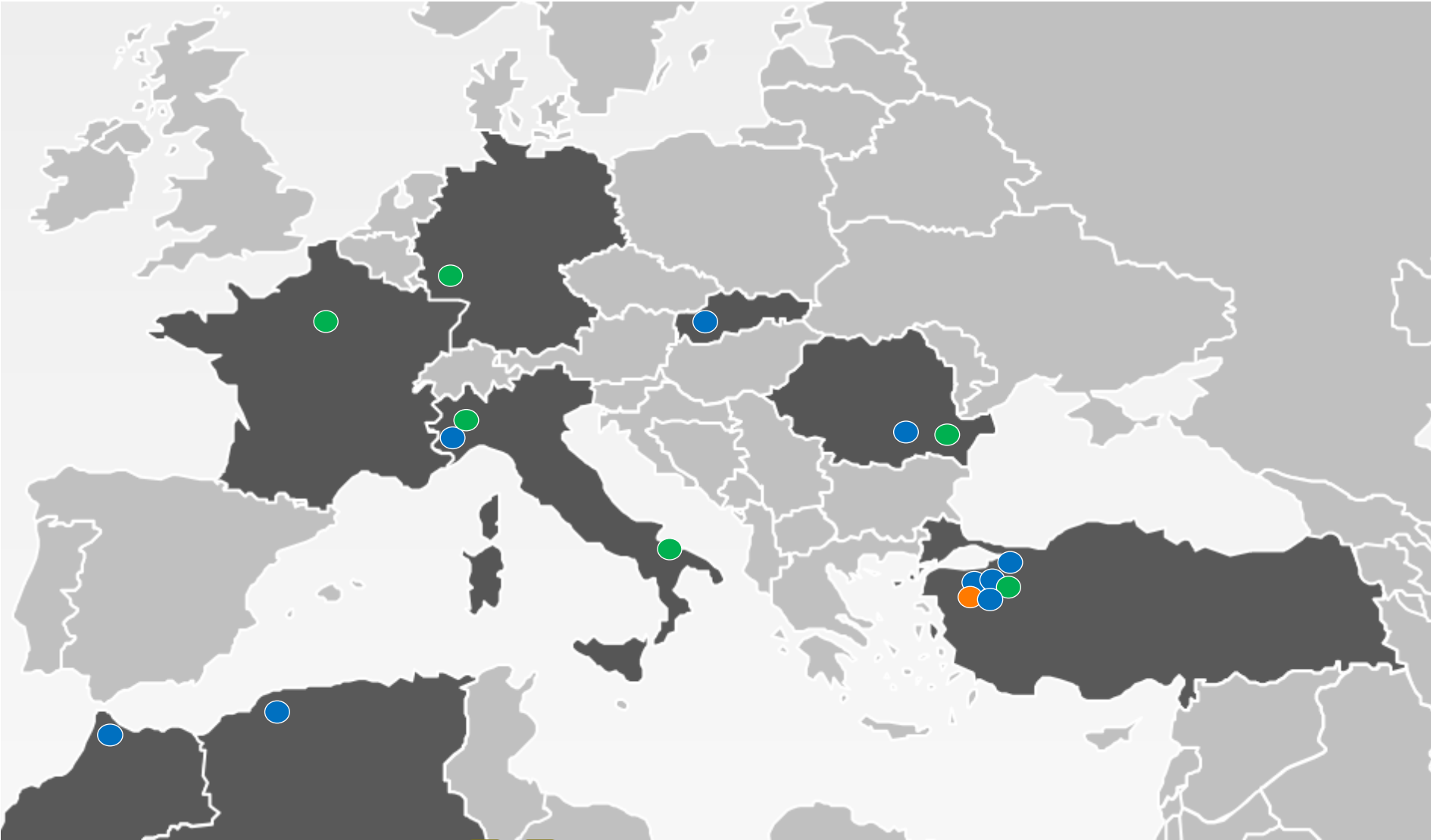
**SEAT SYSTEMS
PLANTS**

Bursa (3)
Kocaeli
Pitesti
Oran
Tangier
Turin
Trnava



**CENTER
OF EXPERTISE
(Test Center)**

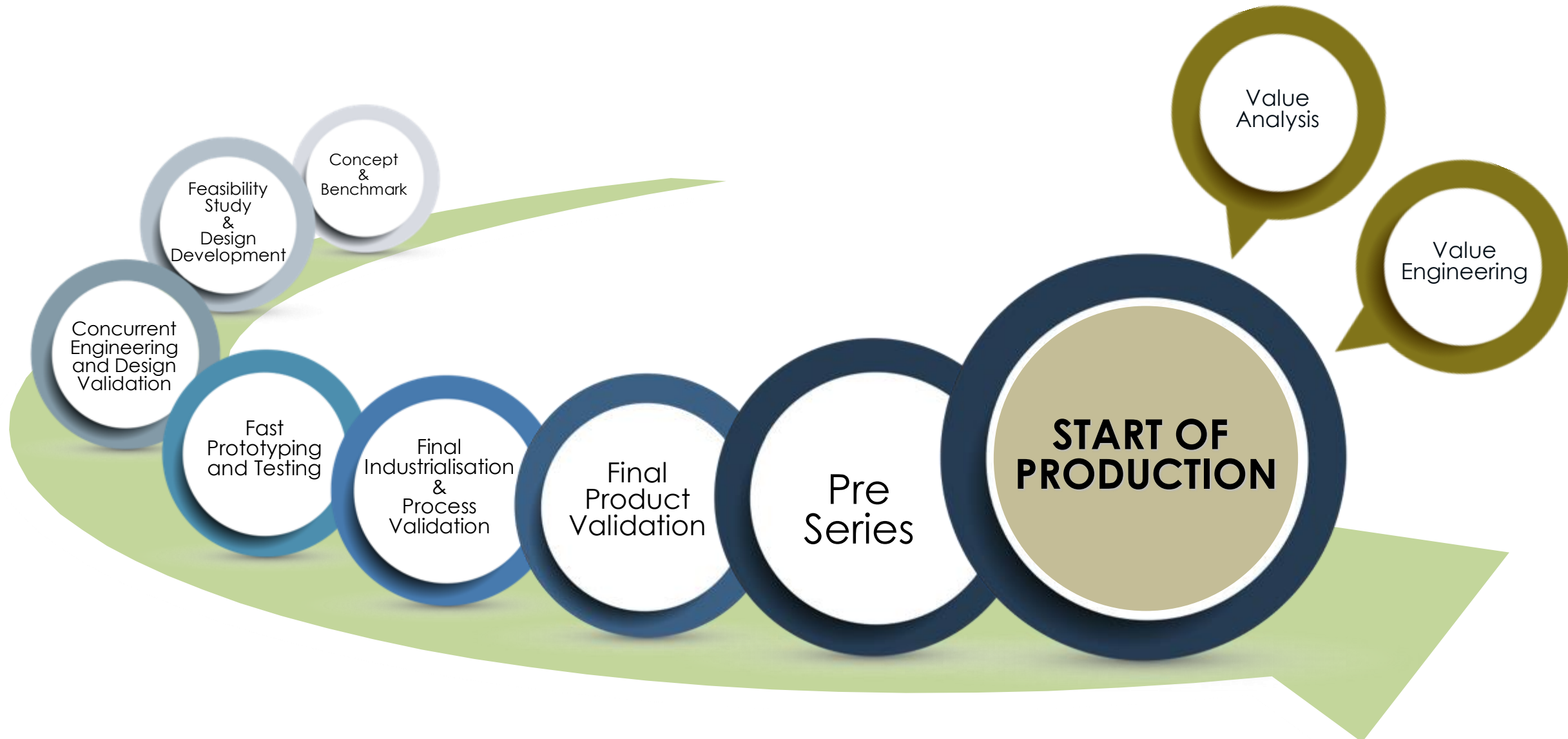
Bursa



Sites
9

Total
employees
5.500+





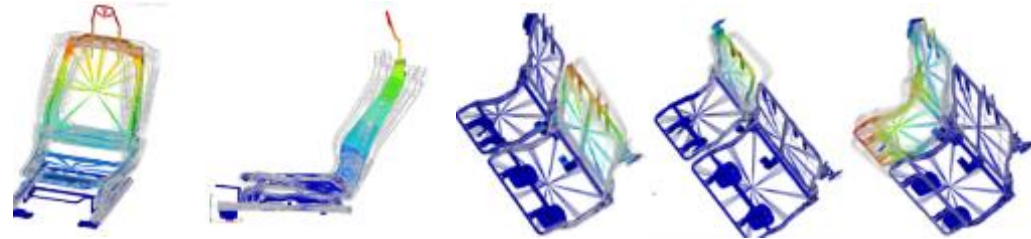
ENGINEERING

- 3D modeling
- Material allocation
- 2D component & assembly drawings
- Geometrical tolerancing & worst case and statistical tolerance analysis
- Complete seat drawings
- Installation drawings



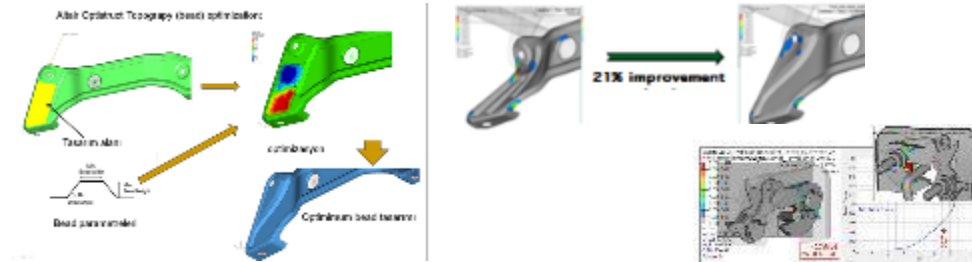
NVH

- Vibration Durability
- Natural Frequency



Durability

- Optimization
- Strength
- Cyclic Fatigue



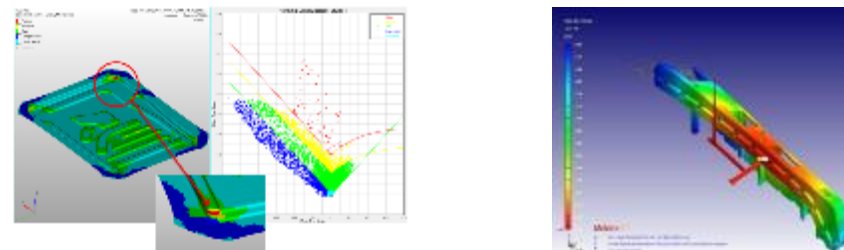
Dynamic

- Crash Safety
- Whiplash
- Quasi-Static





Manufacturing

- Metal Forming
- Plastic Injection


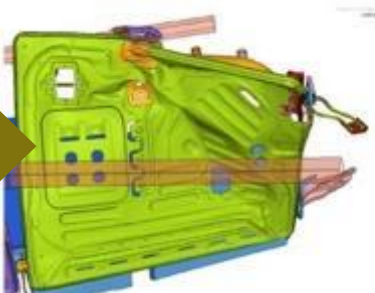


CAE - FEA


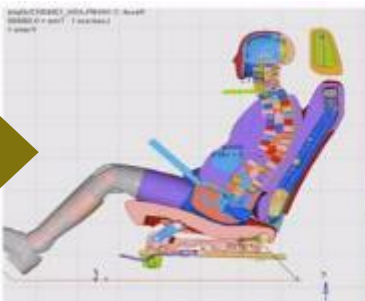
TEST vs. FEA
set-up




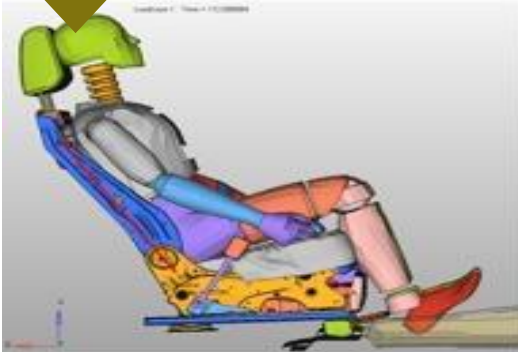
Deformation
(qualitative
comparison)



Whiplash
(qualitative
and
quantitative
comparison)


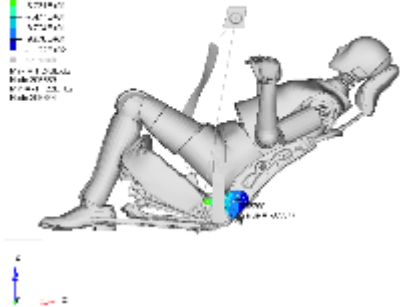


Quantitative Comparison

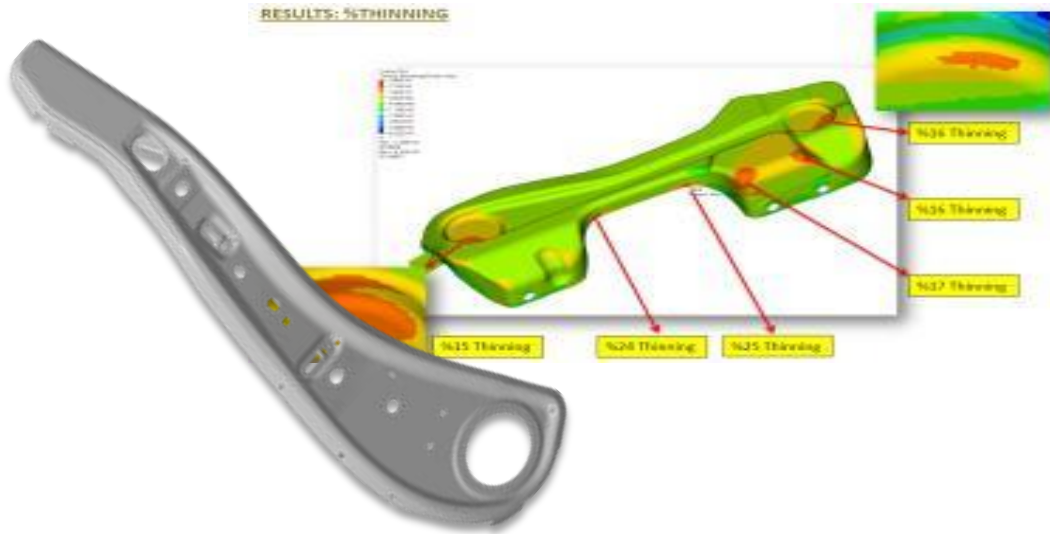


CAE prediction, max. angle @112 ms : 13.1°

Real Test max. angle @119 ms : 12.4°



MATERIALS

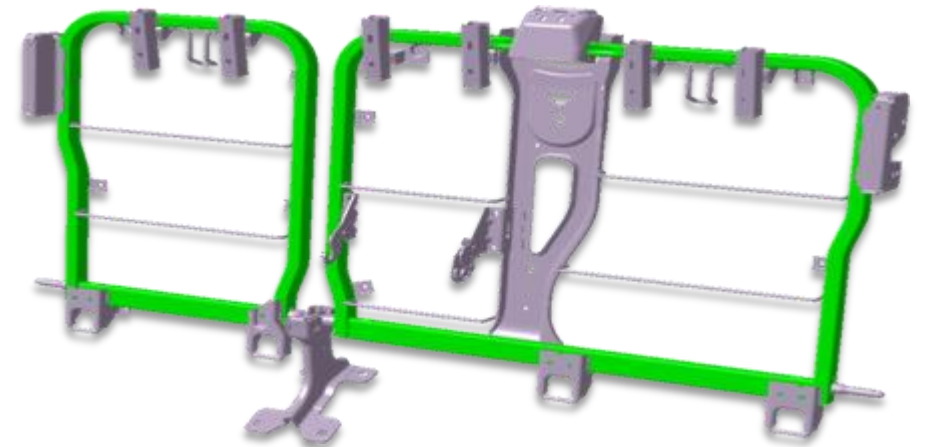


VARIABLE THICKNESS TUBE & PROFILES

Variable thickness profiles

HIGH STRENGTH STEELS

- Dual Phase Martensitic Steels
- FortiForm 1050
- TWIP Steels 980/1180





Voice Control
Gesture Control
Face Detection
Stress Monitoring
Health Monitoring
Artificial Intelligence



Conductive Dashboard
Adaptive Seat
Light Weight Structure
Self Healing Materials
Thermo & Sound
Conductive Material
Noise Cancellation
Shock Absorber Material



Biodegradable
Materials
Nano Materials
Sustainability
3D printing



Track
Recliner
Height Adjuster
Seat Latches



Industry 4.0 Tools
MES (Manufacturing
Executing Systems)
Real time parameters
control from machines
& IoT sensors

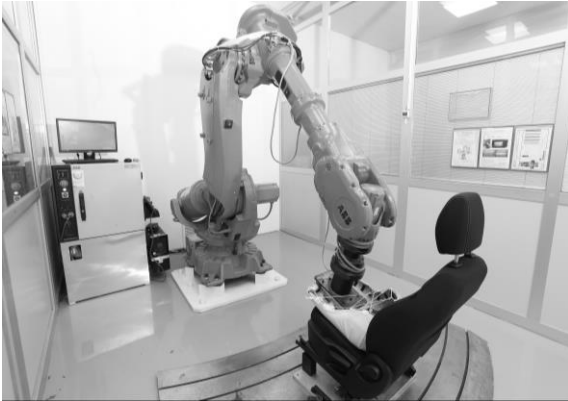


FAST PROTOTYPING

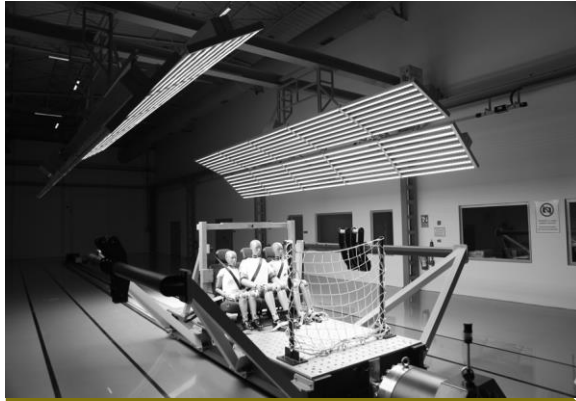
Handmade 1:1 scale prototype - foams, resine tools foam, 3D print plastic - to represent dimensions and kinematics of the product

OFF TOOL PROTOTYPES

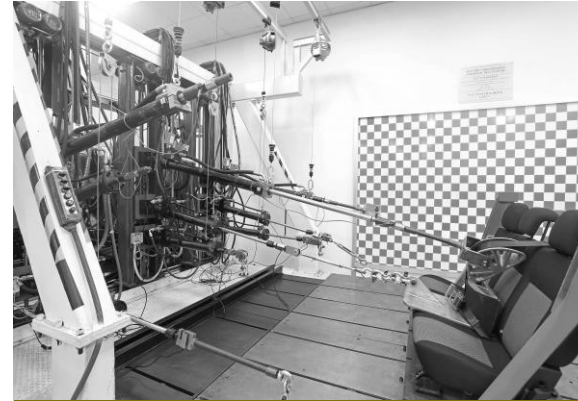
Prototypes - foams, metals, plastic - to be subjected to destructive testing for design verification



Static Test



Sled Test



Pulling Strength Test



Airbag Deployment Test

- Sled (Crash) Test Lab
 - Vehicle Level (BIW)
 - Seat and Restraint Systems
- Airbag Deployment Tests
- Fatigue Tests in Climatic Conditions

- Seat Belt Anchorage Tests
- Robot Test Benches
- Static Load Tests
- Physical Characteristics Measurement
- Atos Compact Scanner

- Adhesion Tests
- Appearance Tests
- Flammability Tests
- Light Fastness Tests
- Spectrometer
- Acoustic Tests

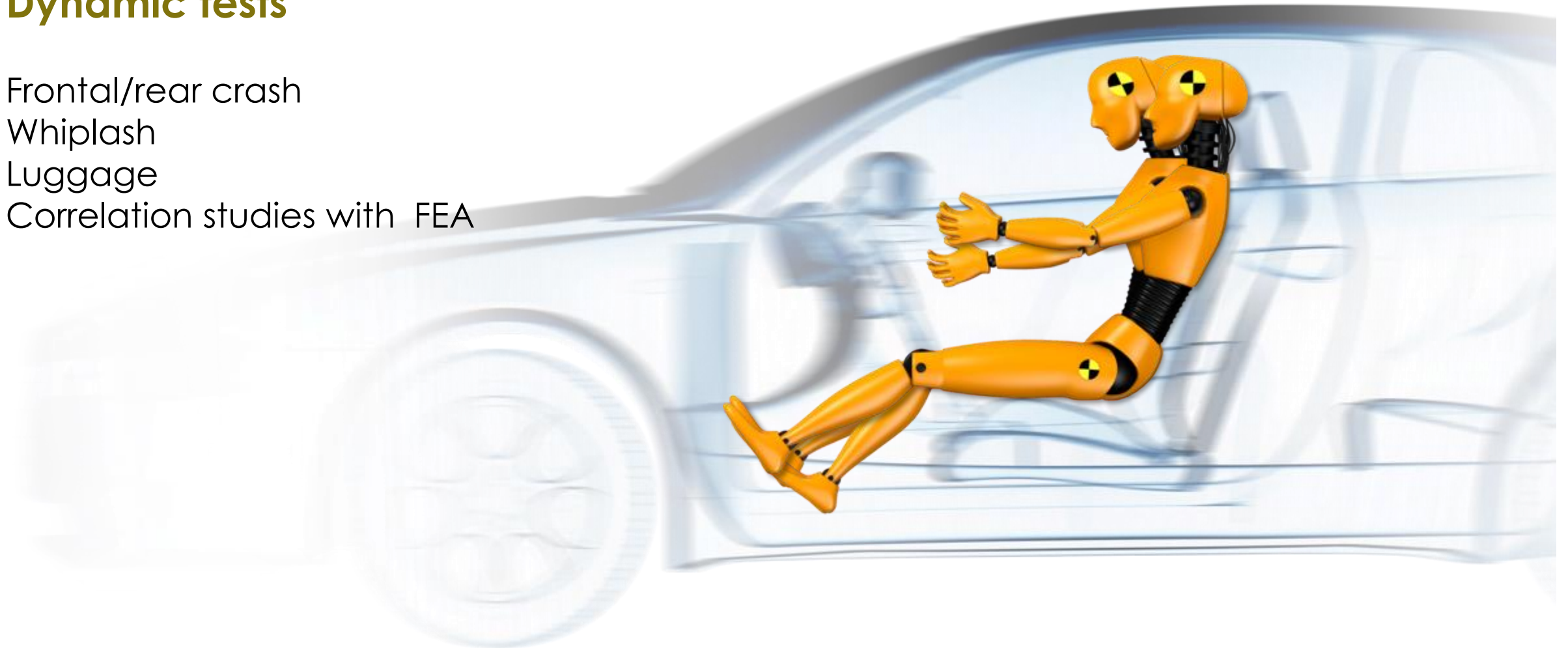
Dynamic tests

Frontal/rear crash

Whiplash

Luggage

Correlation studies with FEA



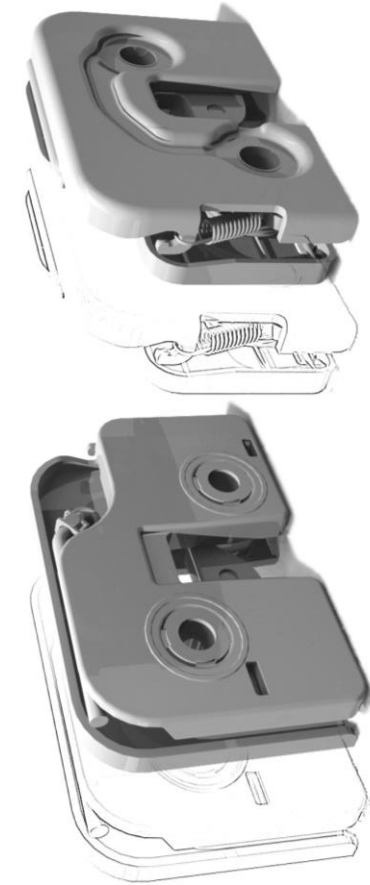
Flexible Headrest In-situ Headrest



Flexible Armrest In-situ Armrest



Latch



FIAT 500 BEV



ABARTH 500 BEV



CITROËN C3



STELLANTIS

Turin, Italy



Turin, Italy



Trnava, Slovakia
Oarja, Romania





FIAT EGEA/TIPO SEDAN



FIAT EGEA/TIPO HB



Bursa, Türkiye



Bursa, Türkiye



OPEL VIVARO/ZAFIRA



PEUGEOT
EXPERT/TRAVELLER



CITROËN
DISPATCH/JUMPY



FIAT SCUDO/ULYSEE



Bursa, Türkiye

Bursa, Türkiye

Bursa, Türkiye

Bursa, Türkiye





TRANSIT



Kocaeli, Türkiye



E-TRANSIT CUSTOM



Kocaeli, Türkiye



TOURNEO COURIER



Pitești, Romania





VOLKSWAGEN CARAVELLE



Kocaeli, Türkiye



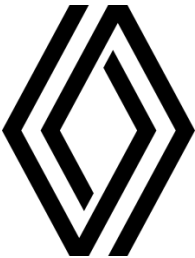
NEW SANDERO



NEW LOGAN



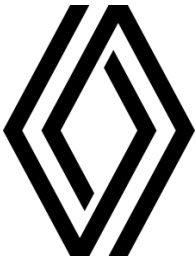
MEGANE



Pitesti, Romania
Tangier, Morocco

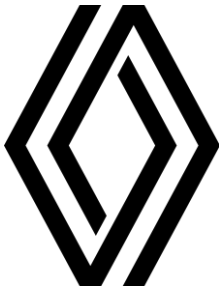


Pitesti, Romania
Tangier, Morocco



Pitesti, Romania
Rear Frame





DUSTER



Bursa, Türkiye



DUSTER



Pitesti, Romania



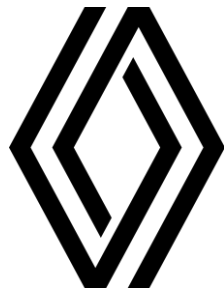
JOGGER



Pitesti, Romania



SYMBOL



Oran, Algeria



SANDERO



Oran, Algeria





C SUV ELECTRICAL



Bursa, Türkiye





EQ5 – EQ6



Bursa, Türkiye



TRANSIT



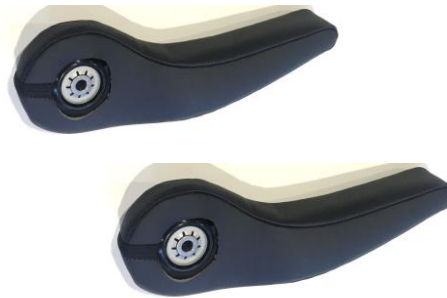
Bursa, Türkiye



E-TRANSIT CUSTOM



Kocaeli, Türkiye



SKODA

KODIAQ



Bursa, Türkiye



STELLANTIS

FIAT EGEA/TIPO



Bursa, Türkiye





**FIAT
EGEA/TIPO**



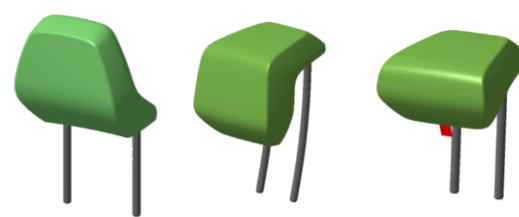
Bursa, Türkiye



CITROËN C3



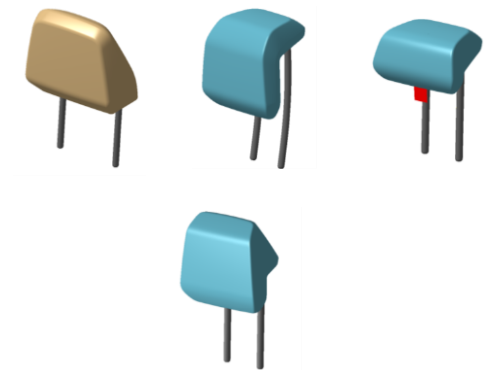
**Trnava, Slovakia
Oarja, Romania**



**OPEL
GRANDLAND**



Oarja, Romania





C SUV ELECTRICAL



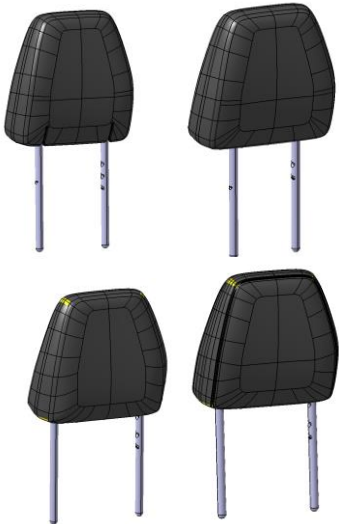
Bursa, Türkiye



E-TRANSIT
CUSTOM



Kocaeli, Türkiye



TOURNEO
CONNECT



Pitesti, Romania





DUSTER



Pitesti, Romania



JOGGER



Pitesti, Romania



NEW SANDERO



Pitesti, Romania
Tangier, Morocco



NEW LOGAN



Pitesti, Romania
Tangier, Morocco



SKODA



FABIA

Q4 E-TRON

YARIS

CADDY 5

ID BUZZ



Pitesti, Romania

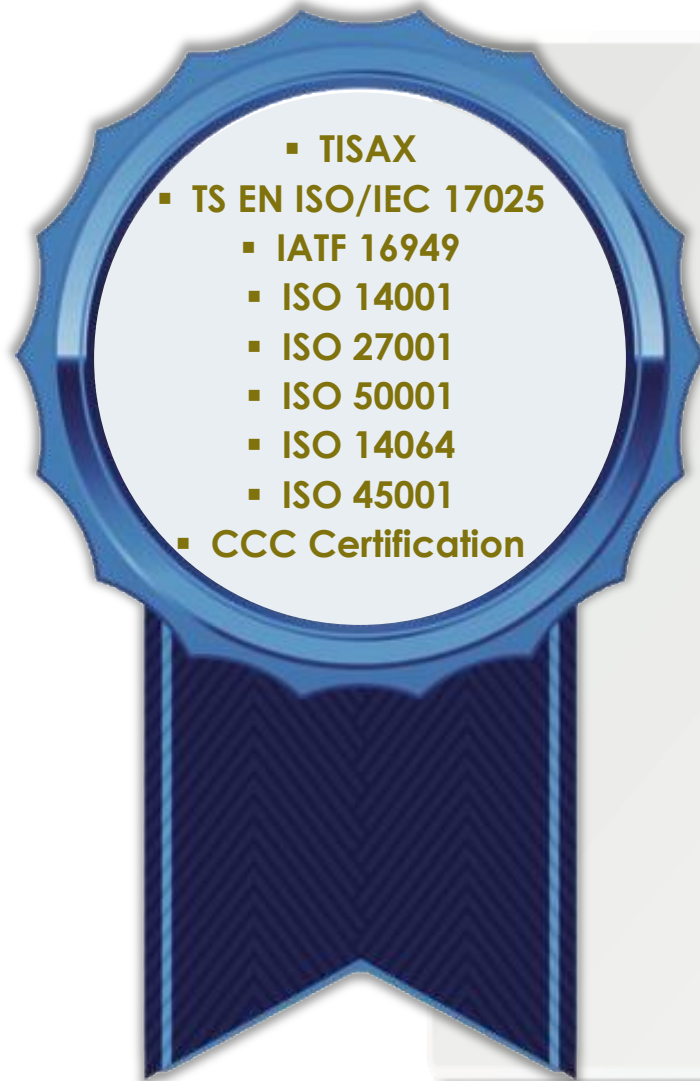
Pitesti, Romania

Pitesti, Romania

Pitesti, Romania

Pitesti, Romania





- **SAP** : 2024 AI-Driven Sustainable Innovation Award
- **SAP** : 2022 Innovation Award in Industry Leader Category
- **FORD** : 2020 Supplier Conference, Golden Award
- **RENAULT** : 2020 Quality & Customer Satisfaction Award
- **AON** : 2018 Employee Engagement Success Award
- **FCA**: 2017 WCM Bronze Level
- **RENAULT**: 2017 Quality Award
- **FORD**: 2016 Q1 Supplier
- **FCA**: 2014 Best Supplier in Europe



SEAT SYSTEMS



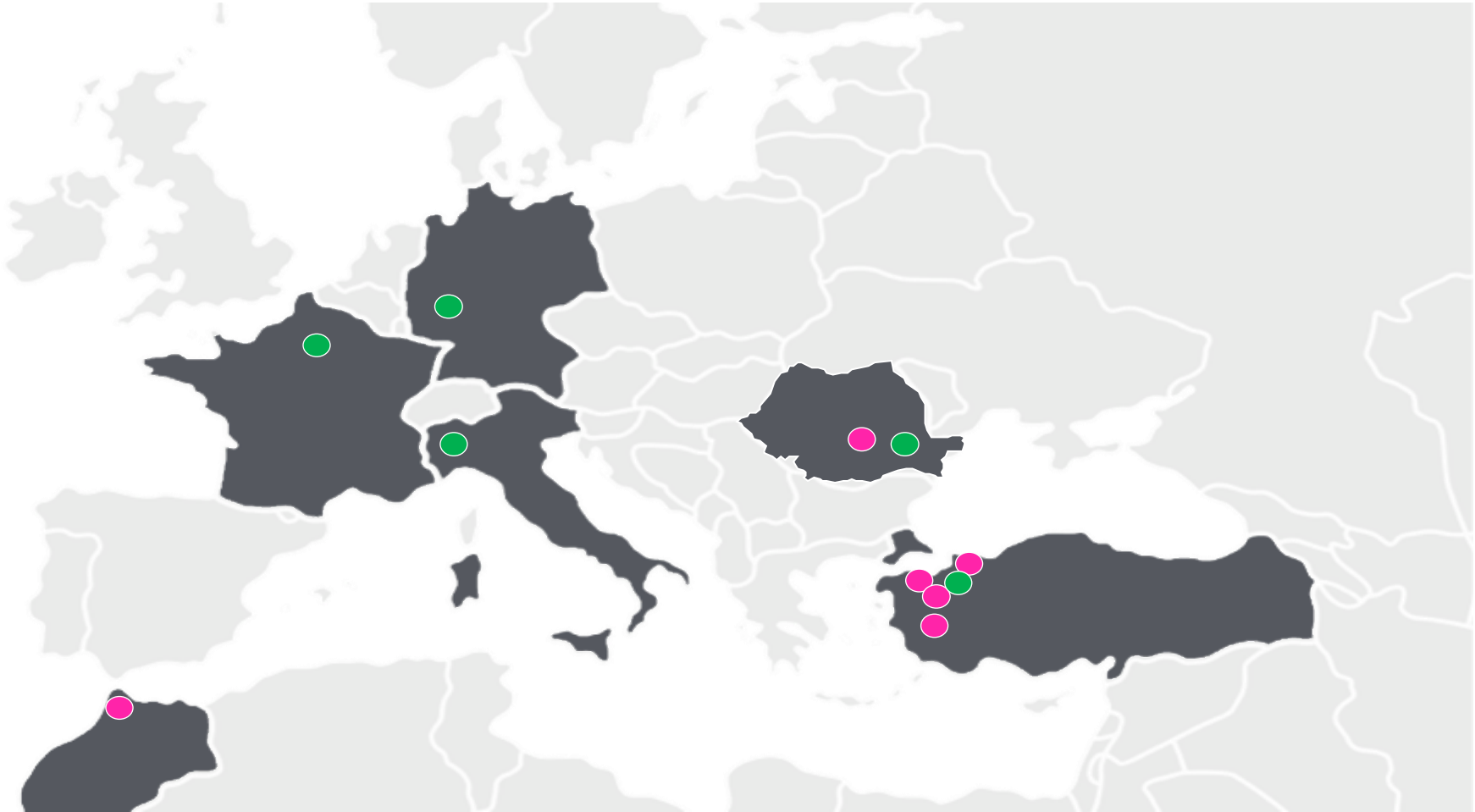
INTERIORS



TEXTILE

E&D - R&D
Bursa
Paris
Turin
Cologne
Bucharest

**INTERIORS
PLANTS**
Bursa (2)
Kütahya
Kocaeli
Tangier
Pitesti



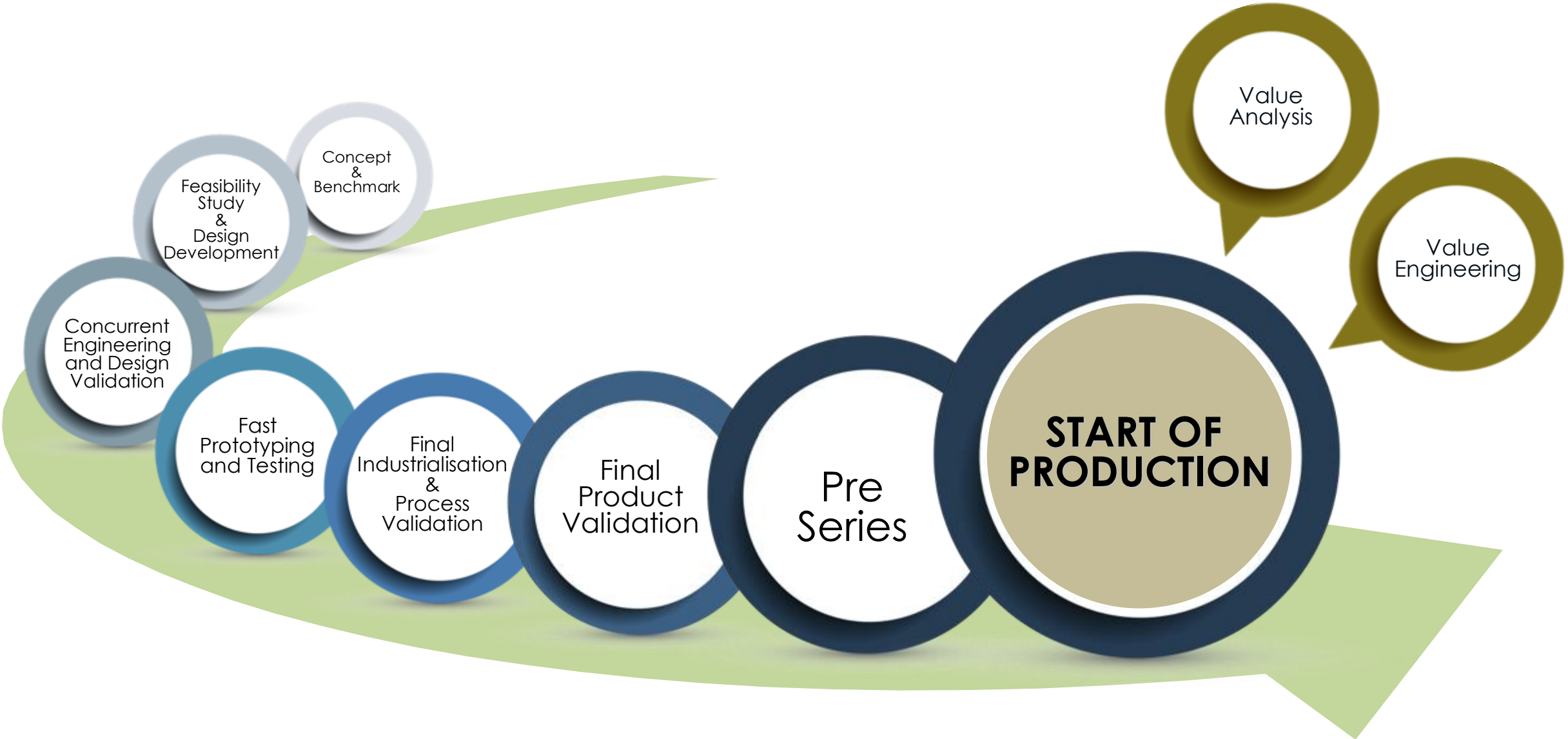
Sites

6

Total
employees

1.100+





INSTRUMENT PANEL

DOOR PANEL

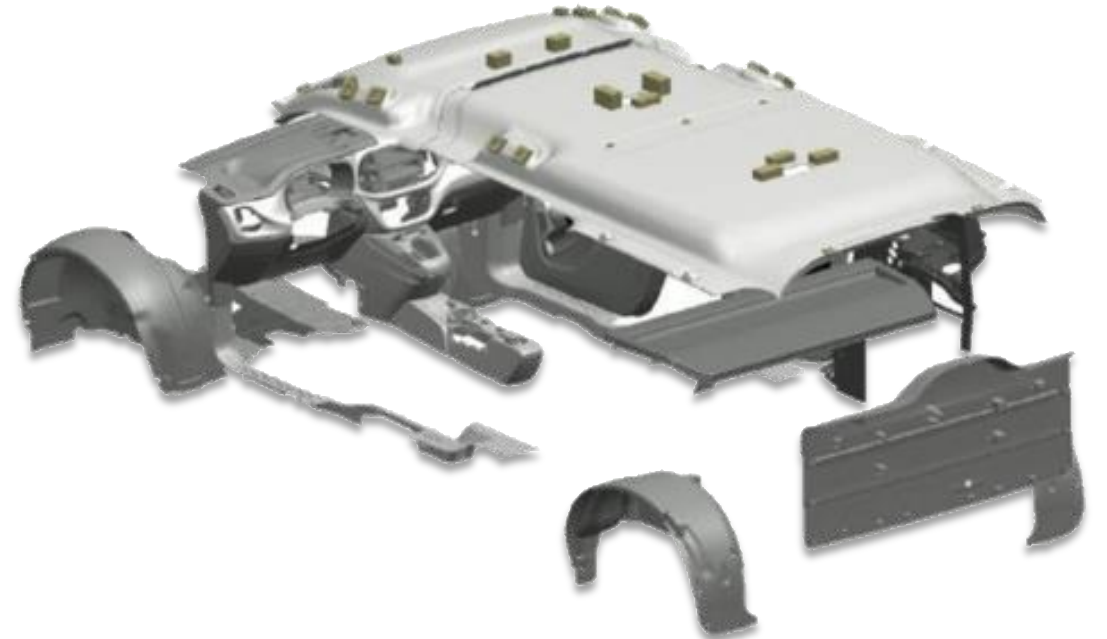
CENTER CONSOLE

**HARD TRIM
INJECTIONS**

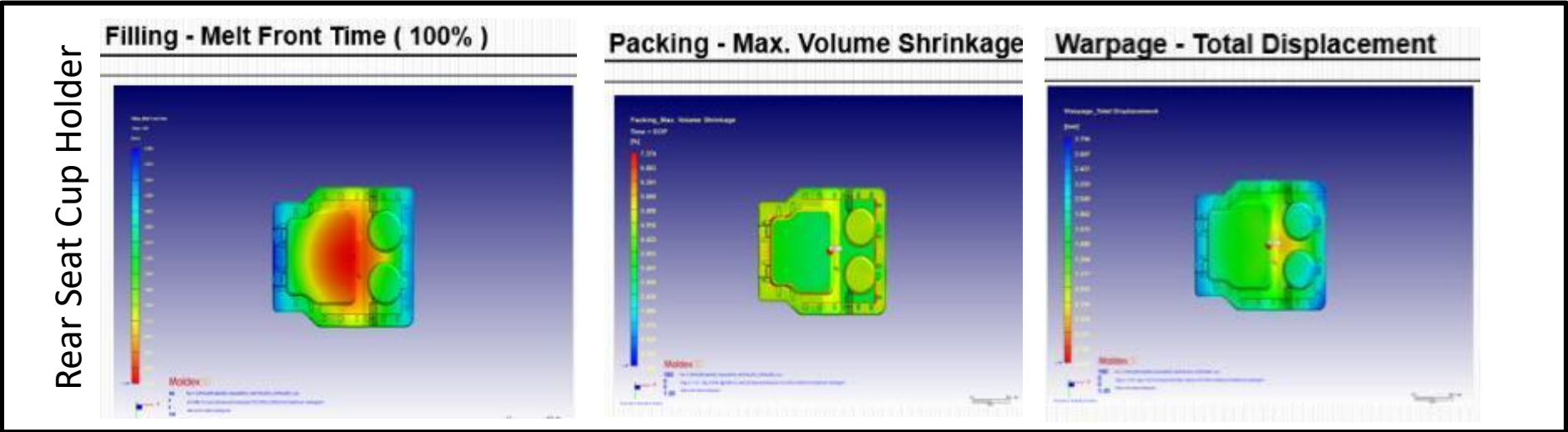
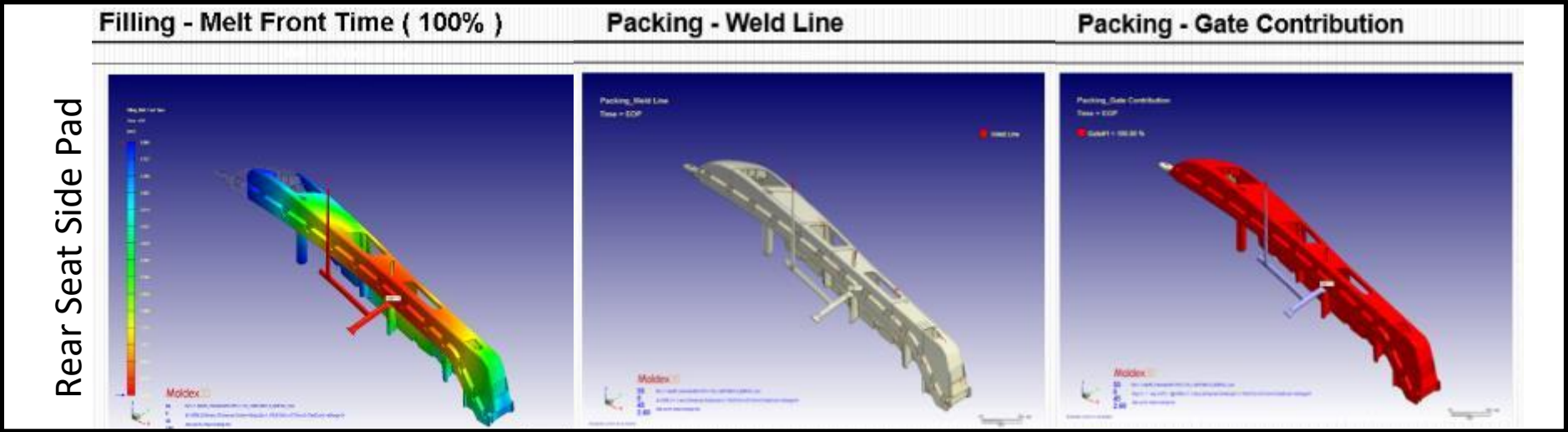
SUNVISOR

HEADLINER

PARCEL TRAY

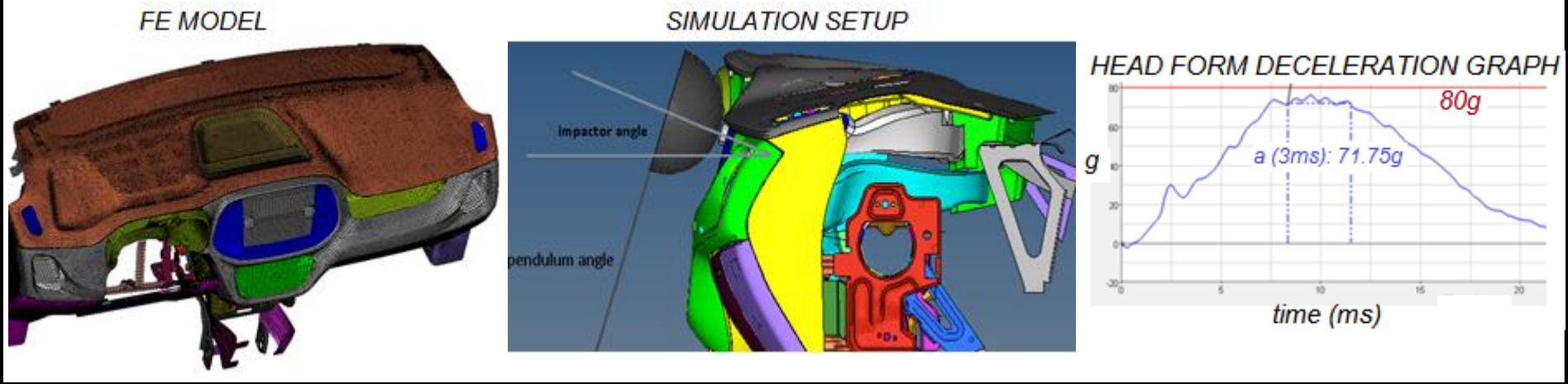


Manufacturing Simulations



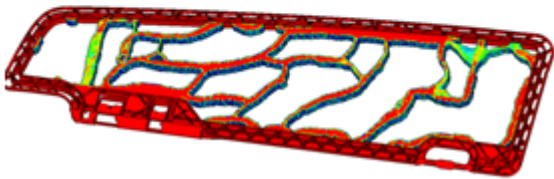
Validation Simulations

Dashboard Head Impact, FMVSS201

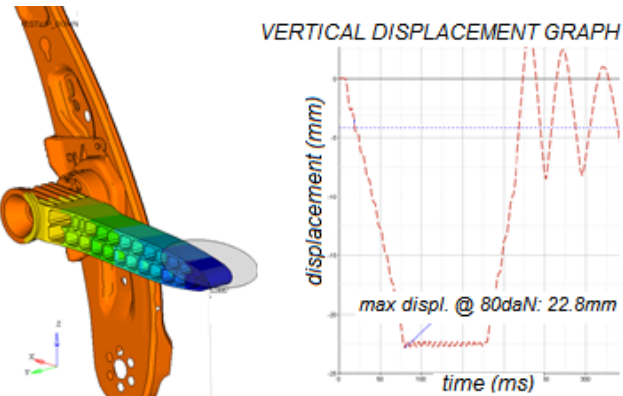


Sunvisor frame topology optimization

- objective : minimize weight
- constraint : displacement < 45mm
- manufacturing : single draw direction
min member size

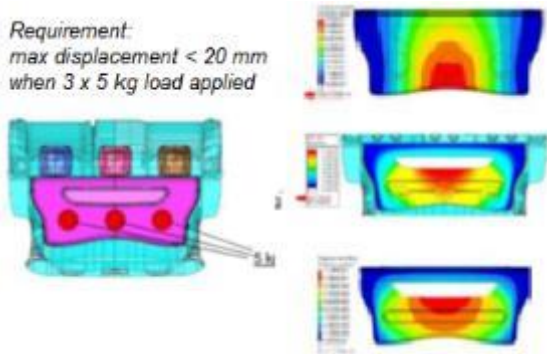


Armrest Static Loading



Parcel Tray Static Loading

Requirement:
max displacement < 20 mm
when 3 x 5 kg load applied



Interiors Lab is able to **perform 95% of the tests** according to OEM specifications on final products, materials and characterization analysis

- Sunload
- Airbag Deployment
- Road Simulator
- Climatic Chamber
- Squeak Rattle
- Alpha Cabin
- Cold Knife Scoring
- Laser Scoring
- PU Strength & Hardness Control
- US Welding & Strength Control



STELLANTIS

FIAT EGEA/TIPO SEDAN



Bursa & Kütahya, Türkiye

IP, Front/Rear Door Panels,
Central Console, Headliner



FIAT EGEA/TIPO HB



Bursa & Kütahya, Türkiye

IP, Front/Rear Door Panels,
Central Console, Headliner, Parcel Tray



FIAT 600



DODGE NEON



ALFA ROMEO JUNIOR



Kütahya, Türkiye

Parcel Tray



**Bursa & Kütahya,
Türkiye**

IP, Front/Rear Door Panels,
Central Console, Headliner



Kütahya, Türkiye

Parcel Tray



OPEL VIVARO/ZAFIRA



PEUGEOT
EXPERT/TRAVELLER



CITROËN
DISPATCH/JUMPY



FIAT SCUDO/ULYSEE



Bursa, Türkiye

Instrument Panel, Headliner,
Body Side Trim

Bursa, Türkiye

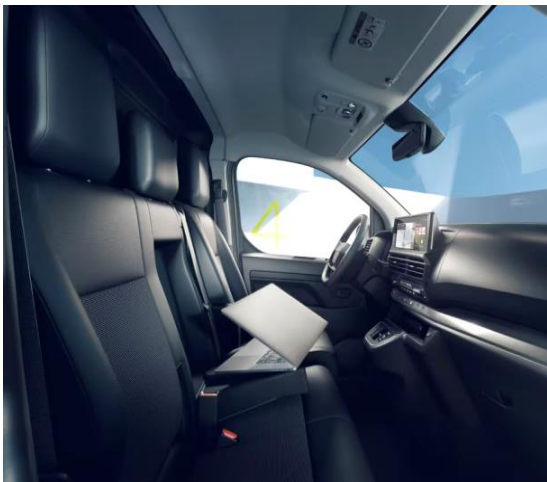
Instrument Panel, Headliner,
Body Side Trim

Bursa, Türkiye

Instrument Panel, Headliner,
Body Side Trim

Bursa, Türkiye

Instrument Panel, Headliner,
Body Side Trim



CITROËN C3



CITROËN C3 AIRCROSS



OPEL FRONTERA



STELLANTIS

Kütahya, Türkiye

Headliner



Kütahya, Türkiye

Headliner



Kütahya, Türkiye

Headliner



COURIER



Pitesti, Romania
Kütahya, Türkiye

Front/Rear Door Panels,
Headliner, Body Side Trims



TRANSIT



Bursa & Kütahya, Türkiye

Scuff Parts





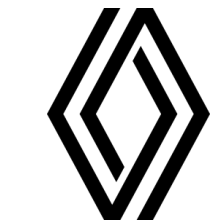
CADDY 5



Bursa, Türkiye

Door Panel System Handle Bezel





DUSTER



Pitesti, Romania
Kütahya, Türkiye

Headliner



CLIO V



Kütahya, Türkiye

Headliner



ALPINE



Bursa & Kütahya, Türkiye

Pillar, Rear Bulkhead



KODIAQ



SKODA

Bursa, Türkiye

Console, Armrest



EQ5 – EQ6



Bursa, Türkiye

Armrest







- **TISAX**
- **ISO 50001**
- **ISO 45001**
- **IATF 16949**
- **ISO 14001**
- **ISO 27001**
- **CCC Certification**

- **FORD** : 2021 Supplier of the Year Bronze Award
- **FCA**: 2018 WCM Bronze Plant Level
- **FORD**: 2018 Q1 Supplier
- **FCA**: 2018 Development of Cooperation
- **FCA**: 2017 New Product Launching
- **RENAULT** : 2017 Ecovadis Supplier Gold Level
- **FCA**: 2016 Development of Cooperation
- **Tofaş**: 2008 Supplier Quality Award



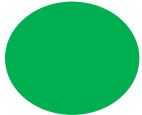
SEAT SYSTEMS



INTERIORS



TEXTILE



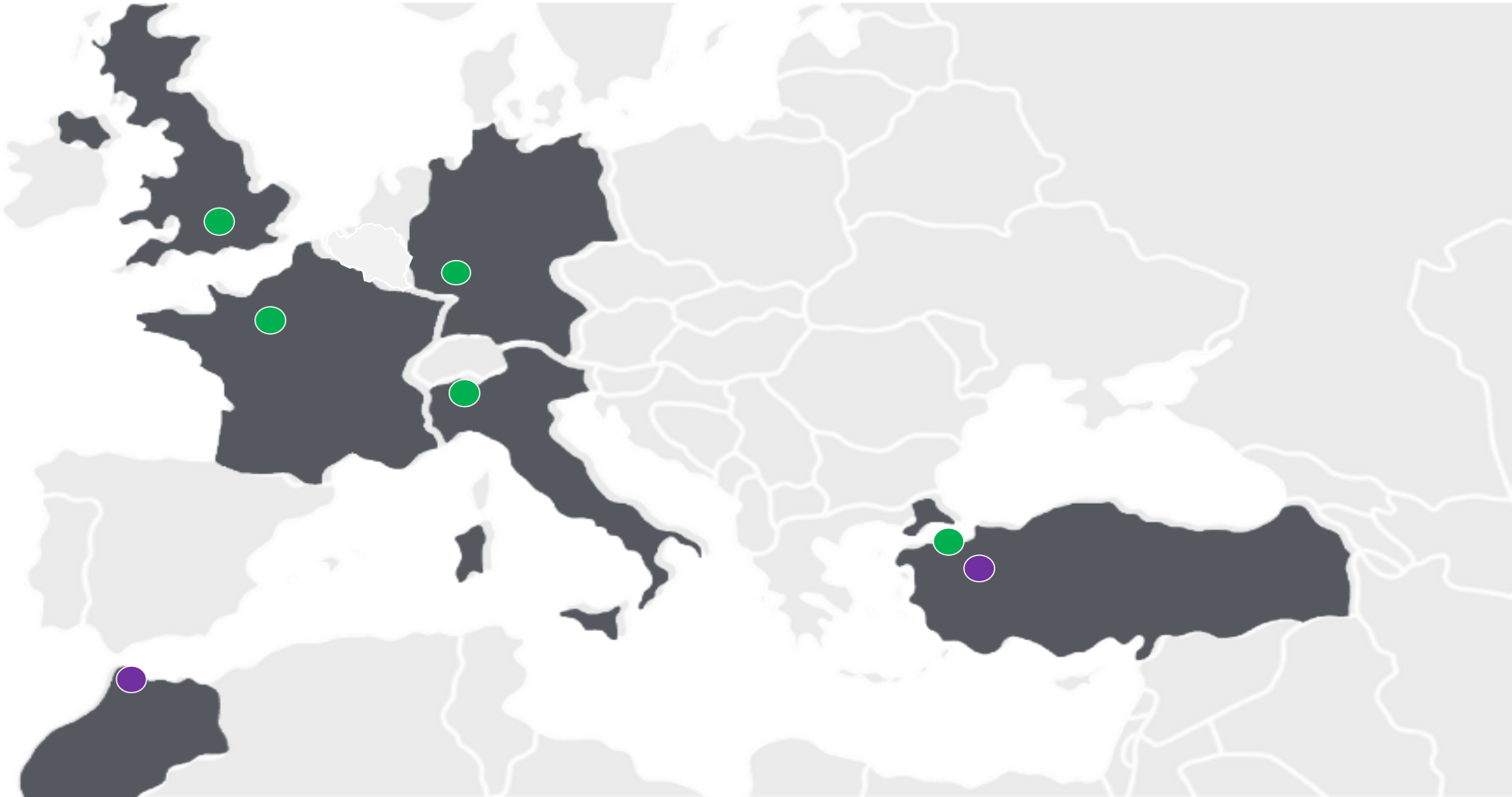
E&D - R&D

Bursa
Paris
Turin
Cologne
London



**TEXTILE
PLANTS**

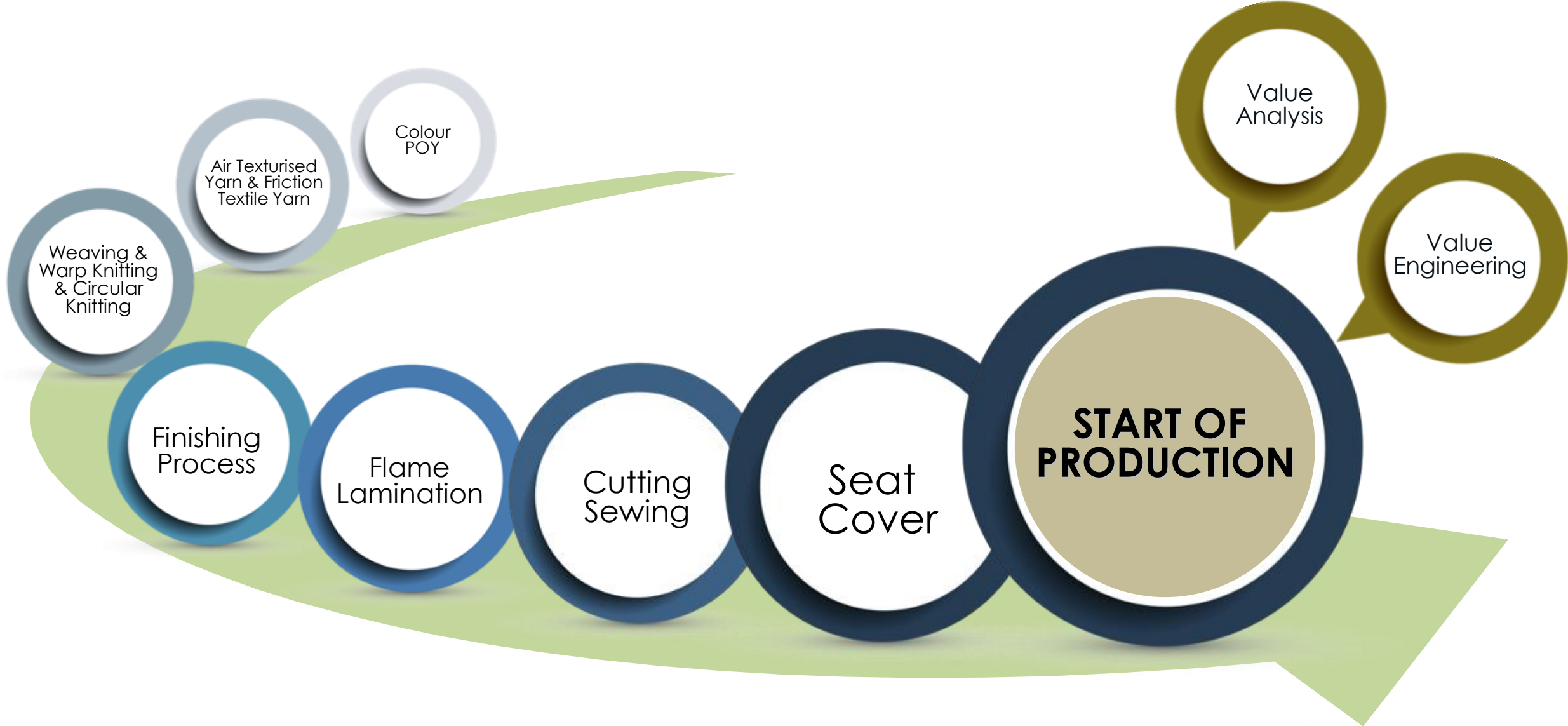
Kütahya
Tangier



Sites
2

Total
employees

1.600+



GLOBAL ECONOMY



Sustainability

- Natural resources
- Recycled materials
- Monomateriality (MONOM ®)

Circularity

- Waste free product/production solutions
- Recyclability

Digitalization

- VR/AR for textiles
- Digital collections for future

NEW MATERIAL/PROCESS



Functionality

- Anti-microbial
- Self-cleaning & Anti-stain
- PFAs free solutions

Smart

- Heatable textiles
- Sensor based textiles
- Smart printing solutions

COLLABORATIONS



Funding Calls

- National funding projects
- EU Horizon projects

Advanced Material Innovations

- Piezo-electric & energy-harvesting
- Supercapacitor/Photovoltaic applications
- Self Healing/Shape Memory Materials
- Bio-Mimetic materials



TREND COLLECTION

Combining all research and development to create a collection and presentation which maps out the future of automotive. Sharing inspiration and ideas with all customers.

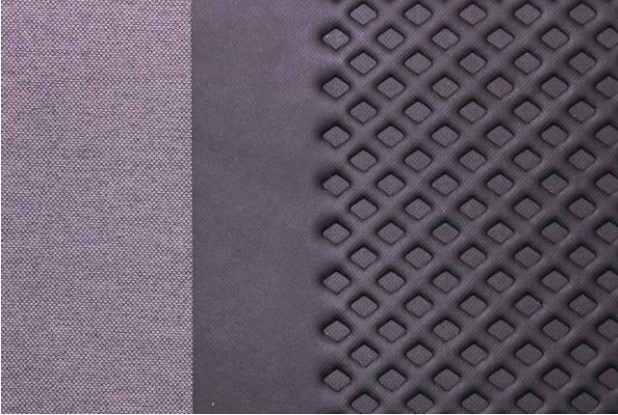
TESTING CAPABILITIES

Taber Abrasion Tester
Ice Mace Snag Tester & Viewing Cabinet
Martindale Abrasion & Pilling Tester
Cesconi Pilling Tester
Schopper Abrasion Tester
Surface Abrasion Tester
Stoll Abrasion Tester
Brush or Sponge Pilling Tester
Crockmeter / Rubbing Fastness Tester
Ash Oven
Specimens Physical and Functional Changing Test System
Climatic Chamber
Combustion Chamber
Light Fastness Test Machine (Weather-Ometer)
Fogging Test Chamber
Colour Spectrophotometer
Universal Testing Machine
Sliding Test Equipment
Light Cabin
Wear MIE Abrasion Test Machine
Autoclave
Breaking Angle Test Fixture
Trim Tester
Static Friction Test Machine
Taber Shear/Scratch Tester
Antistatic Test Machine
Seam Line Fatigue Tester
Frazier Type Air Permeability Test Machine
Tetrapod Test Machine

- Stellantis
 - FCA
 - PSA
 - Opel
- Toyota
- Renault
- Ford
- Volkswagen



TEXTILE APPLICATIONS



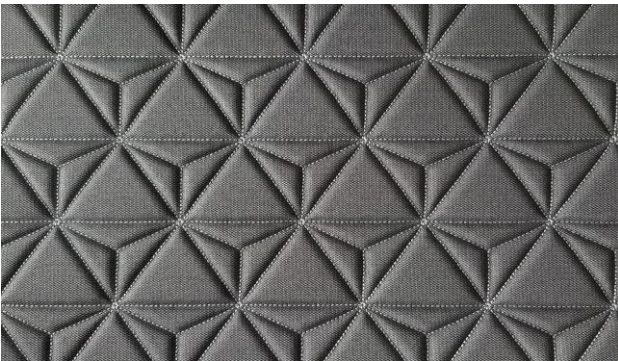
HF Embossing



Calender (Cylinder)
Embossing



PVC & Fabric on
Fabric Embossing



Embroidery



Hot Plate Embossing



Multistitch



DACIA

Duster
Bigster
Sandero
Lodgy
Logan



FIAT

Tipo – Tipo
Cross

CITROËN

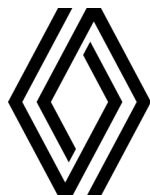
C3
C3 Aircross



FORD

Transit
Transit Courier





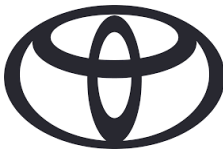
RENAULT

New Clio
R5 (Echo)



TOGG

C SUV Electrical



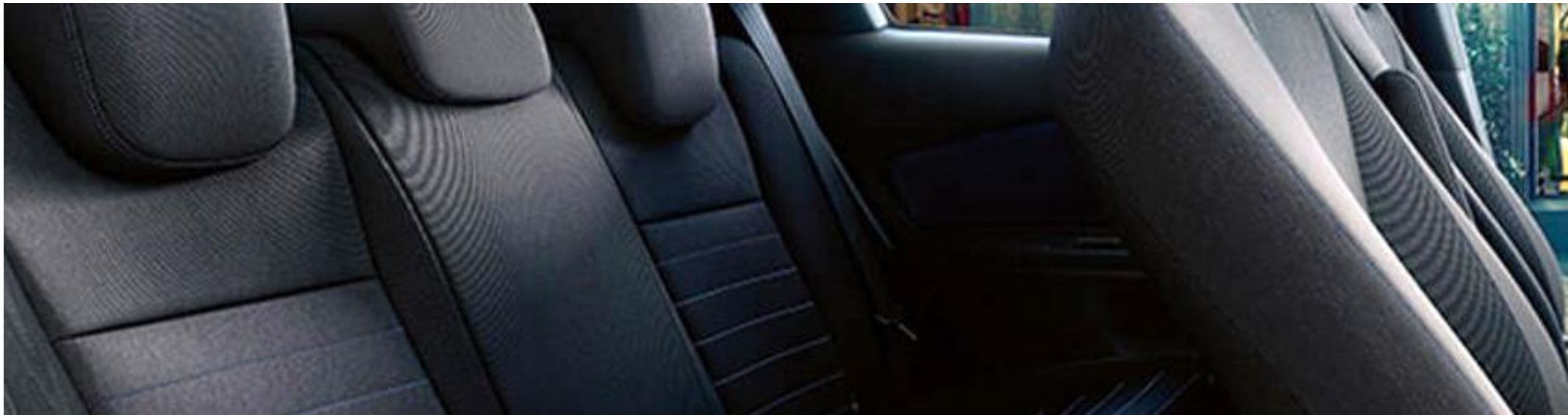
TOYOTA

Corolla HB - Sedan
Yaris – Yaris Cross
Aygo



VOLKSWAGEN

Transporter
ID-Buzz





- **TOYOTA**: 2016 Value Analysis Award
- **RENAULT**: 2016 ASES Qualification
- **FORD**: 2011 Q1 Supplier
- **Ministry of Türkiye**: since 2011 Governmental Supported R&D Center



Thank you...

Muhtumesc
Teşekkürler

Merci Grazie
Ďakujem

Vielen Dank Спасибо
ありがとうございました

شكرا Dziękuję Ci Gracias
Obrigado ευχαριστούμε Ďěkuji