



LOS ESPECIALISTAS EN
TERMOPLÁSTICOS Y ELASTÓMEROS



BADA – CORPORATE PRESENTATION

YOUR INDIVIDUAL
SPECIALIST FOR PLASTICS



QUALITY

FLEXIBILITY

RELIABILITY

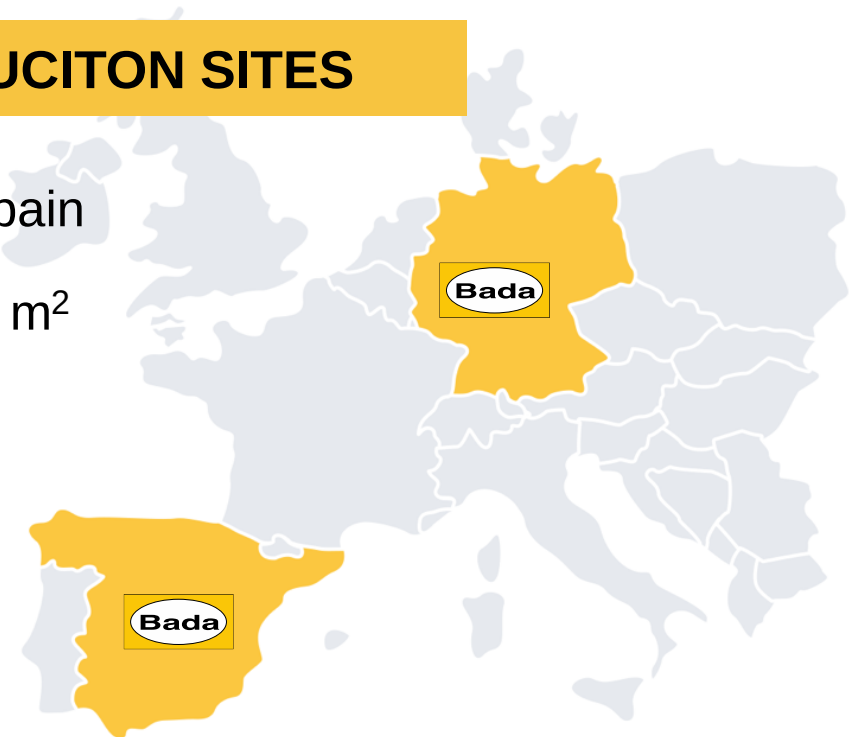


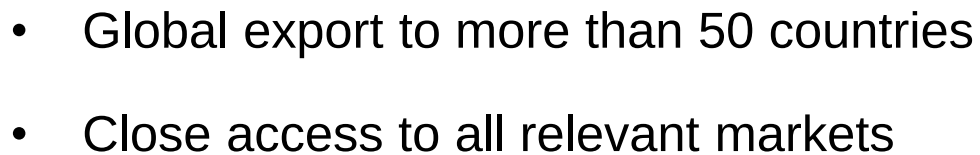
BADA FACTS



► TWO STATE-OF-THE-ART PRODUCTION SITES

- Bühl (Baden)/Germany and Huesca/Spain
- Factory premises of more than 40,000 m²
- Efficient process flow
- State-of-the-art production technology
- Trouble-free expansion possible





HISTORY 1997 - 2005



- 1997** ▶ Formation of „Bada Plast GmbH & Co.“
- 1998** ▶ Start of production at the former location in Bühl
- 2003** ▶ Change of the corporate organisation to Bada AG
- 2004** ▶ Initial certification according to ISO/TS 16949:2009
- 2005** ▶ Decision taken in favour of a new greenfield plant in Bühl

HISTORY 2005 - 2010



- 2005** ▶ Formation of Bada Hispanaplast S.A. in Spain
- 2007** ▶ Start of production at the new building in Bühl + Huesca
▶ Technology agreement with BASF + cooperation with UBE
- 2008** ▶ Certification according to DIN ISO 14001:2004 + EMAS
- 2009** ▶ Installation of a new processing extruder for R&D Bühl
- 2010** ▶ Expansion in Bühl by adding storage capacities

HISTORY 2010 - 2017



- 2013**
 - ▶ Certification according to ISO/TS 16949:2009 in Huesca
 - ▶ Implementation of new extrusion lines at both sites

- 2014**
 - ▶ Expansion in Bühl by means of additional silo capacities
 - ▶ Extension of Spanish facilities

- 2015**
 - ▶ Building of a new laboratory in Huesca

- 2016**
 - ▶ Installation of an additional R&D extruder in Bühl

- 2017**
 - ▶ Installation of an additional extrusion line in Huesca

HISTORY 2018 - 2023



2018

- ▶ Installation of an additional R&D extruder in Huesca
- ▶ Certification according to IATF 16949 at both locations

2019

- ▶ Installation of an additional extruder line for high-performance plastics in Bühl
- ▶ Extension of laboratory facilities



2024

- ▶ Installation of additional extrusion line in Huesca with nominal capacity of 5000Tn

2023 IN FACTS



► **NET SALES: € 150m**

► **PRODUCTION: 40,000 t**

► **GLOBAL EXPORT: 40 %**

- A reliable partner also in terms of finance. The equity ratio is above the average of comparable industrial sector indices
- Production is running a three-shift system, 5 days per week
- Currently, there are about 250 employees at both sites
- Quality and Environmental Management are unique in Europe

INNOVATIVE PRODUCTS FOR HIGHEST DEMANDS



► OUR AIM

Development, production and worldwide distribution of high-quality specialities and niche products for all kinds of applications and markets

► OUR SUCCESS FACTORS

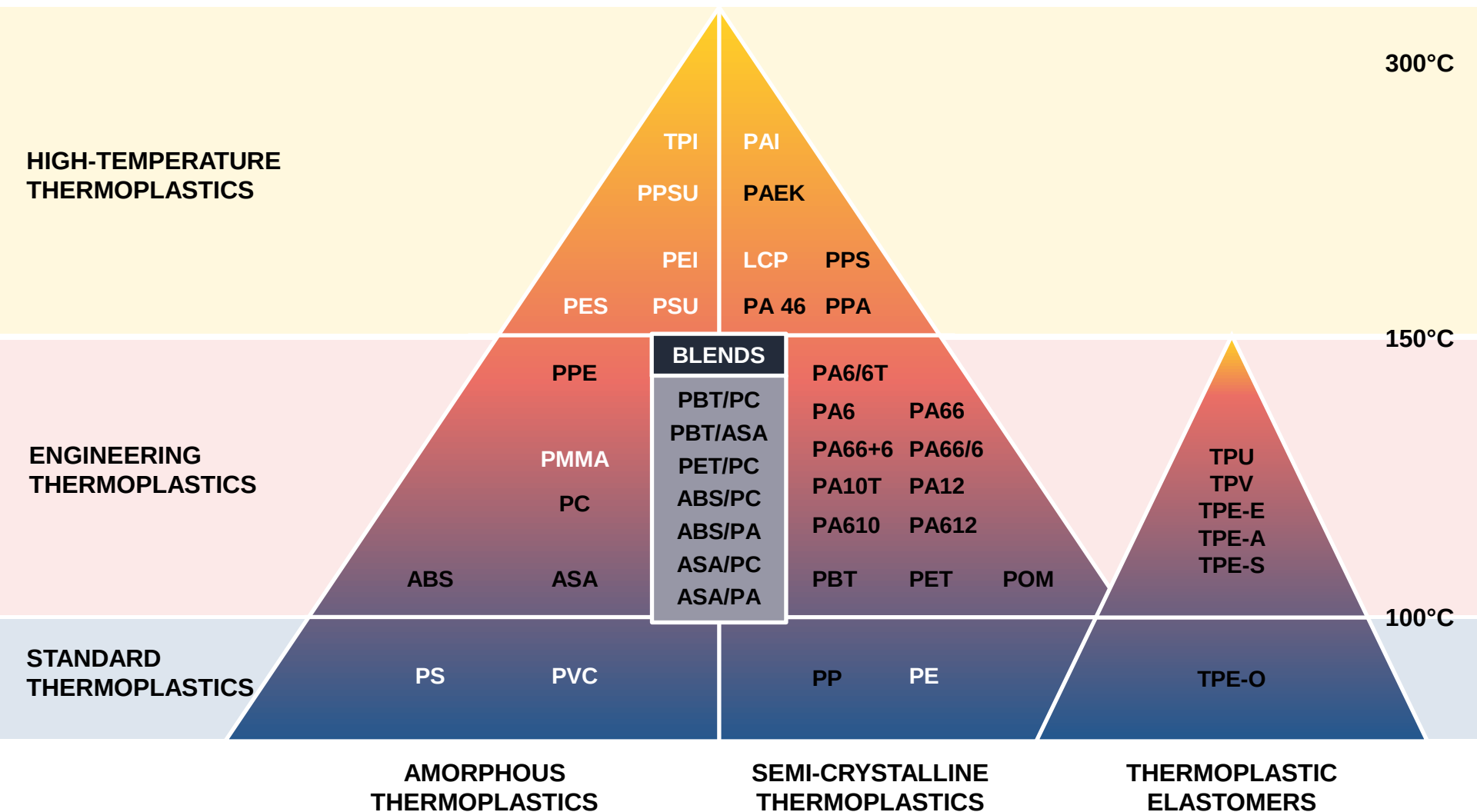
Innovation, flexibility, high-level quality and customer-oriented service

QUALITY AND ENVIRONMENTAL MANAGEMENT

**RELIABLE SYSTEM AND PROCESS QUALITY
FOR MAXIMUM CUSTOMER SATISFACTION!**



POLYMER PORTFOLIO



INNOVATIVE PRODUCTS FOR HIGHEST REQUIREMENTS

A pile of bright yellow, irregularly shaped plastic granules, likely used for injection molding, is shown on the left side of the page.

BADAMID[®]

PA6 | PA6.6 | PA6.6/6 | PA6/6T | PPA
PA4.6 | PA10T | PA12 | PA612 | PA610

BADATECH HT[®] HIGH-PERFORMANCE COMPOUNDS

BADATRON[®] PPS

BADAFLEX[®] TPE-S | TPU | TPE-E

BADAPRENE[®] TPV (EPDM | PP)

BADADUR[®] PBT | BLENDS

BADALAC[®] ABS-SPECIALITIES | BLENDS

BADAFORM[®] POM

BADALON[®] PC-SPECIALITIES | BLENDS

BADAPROP[®] PP-SPECIALITIES

TAILORING SOLUTIONS FOR YOUR TECHNICAL REQUIREMENTS:



FEATURES FOR PROCESSABILITY:

70/75/80	Guide K-Value for the viscosity
S	Easy flowing, Short cycle, Fast Cristallizing, Fine cristalline structure

FILLING AND REINFORCING MATERIALS:

GF	Glass Fiber
GK	Glass Beads
M	Mineral
CF	Carbon Fiber
AF	Aramid Fiber

TAILORING SOLUTIONS FOR YOUR TECHNICAL REQUIREMENTS:



FEATURES FOR IMPROVED FLAME PROTECTION:

FR	Flame retardant
HF	Halogen free, flame retardant
UL	Underwriters Laboratories, yellow card available / requested

CHARACTERISTICS FOR IMPROVED HEAT AGEING RESISTANT:

H	Heat Stabilized, increased heat aging resistant
HH	highly heat-stabilized, very high heat aging and hydrolysis resistance

TAILORING SOLUTIONS FOR YOUR TECHNICAL REQUIREMENTS:



CHARACTERISTICS FOR IMPROVED DYNAMIC MECHANICAL PROPERTIES:

Z1	High impact
Z2	Higher impact strength
Z3	Super impact resistance
L	Dry toughened
SM	Impact-modified, high (cold) impact resistance and flexibility
TM	chemically impact modified, high impact strength
FM	Soft modified

TAILORING SOLUTIONS FOR YOUR TECHNICAL REQUIREMENTS:



FUNCTIONAL ADDITIVE TRIBOLOGY:

TF	PTFE
MoS2	Molybdenum disulfide
Si	Silicon
SIM	High molecular weight silicone
GR	Graphit

TAILORING SOLUTIONS FOR YOUR TECHNICAL REQUIREMENTS:



OTHER FUNCTIONALITIES:

LB	Laser-Markable
GA	Electroplated
AB	Antibacterial Equipped
EL	Electrically conductive
AS	Antistatic
TC	Thermal conductivity
UV	UV Stabilized
2K	Adhesion-modified for hard / soft joints
E	Hydrolysis resistant
WL	For food and drinking water contact

TAILORING SOLUTIONS FOR YOUR TECHNICAL REQUIREMENTS:

BADA RECYCLED MATERIALS:

- Based on OEM or customer requirements: End user must define specifications: with renewed regulations or defined properties for each application.
- Our experience: important know how in different areas and applications. More than 10 years of know how on recycled materials.
- New Nomenclature for recycled grades: Based on % of recycled content
- Tailored customer solutions: maximum flexibility and innovative strength



APPROPRIATE SOLUTIONS FOR YOUR TECHNICAL REQUIREMENTS



SOLUTIONS FOR ALL KINDS OF APPLICATIONS





► **AUTOMOTIVE INDUSTRY**

► **AUTOMOTIVE ENGINEERING**



► **VEHICLE ELECTRICS & ELECTRONICS**

► **ELECTRICS & ELECTRONICS**



► **MECHANICAL ENGINEERING**



► **MEDICAL DEVICES &
SANITARY PRODUCTS**



► **HOUSEHOLD**



► **CONSTRUCTION**

► **FURNITURE**

► **SPORT & LEISURE
ACTIVITIES**

LATEST PRODUCTION LINES WITH STATE-OF-THE-ART TECHNOLOGY





► 15 TWIN-SCREW EXTRUDERS

normal capacity of about 40,000 t per year

► SILOS WITH STORAGE CAPACITY OF ABOUT 800 TONS

for fully automated feeding system of the key polymer

► 2 LAB EXTRUDERS

for new developments and colour adjustments / small batches



► 1 MIXING SILO – CAPACITY OF 5 TONS

for optimal colour constancy of the finished products

► 8 INJECTION MOULDERS

for production control and production of all kinds of test specimens

► 1 SMALL EXTRUSION SYSTEM

for the production and additional quality control of flat films

HIGHEST FLEXIBILITY FOR COLOUR ADJUSTMENTS



**LONG LASTING KNOW-HOW
FOR EVERY NUANCE**

Latest technology combined with
our staff's precision and experience

LAB AND TESTING FACILITIES



- Impact resistance
- Density
- Humidity
- Ash residue



- Colour
- Flammability test according to UL
- Tensile and flexural strength

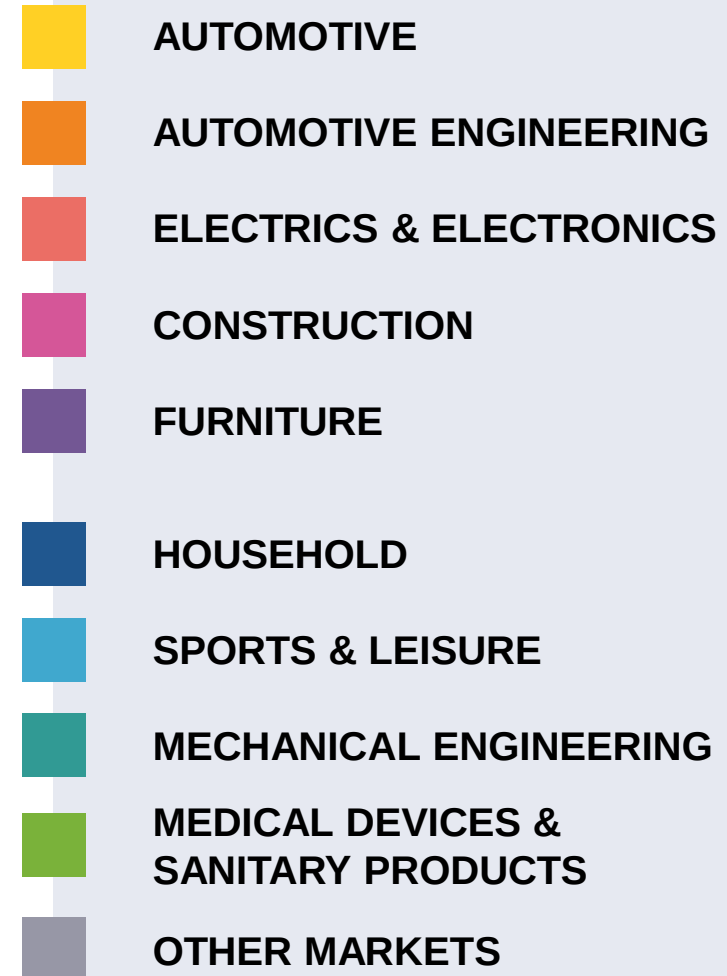
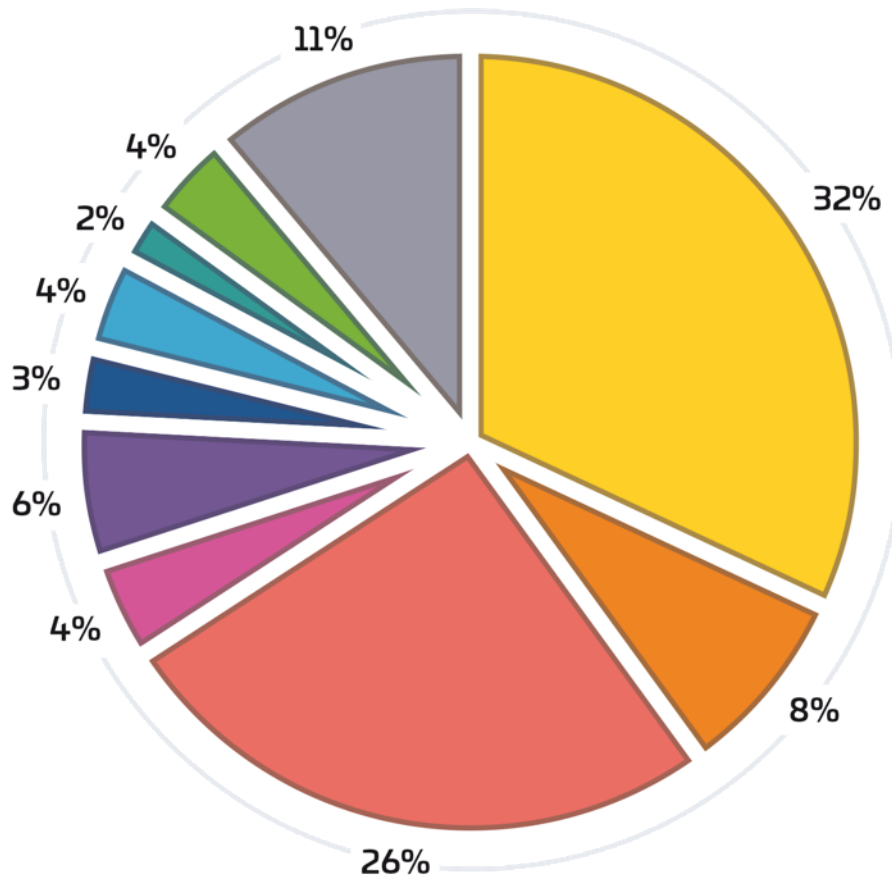
LAB AND TESTING FACILITIES



- HDT/Vicat
- TGA/DSC
- IR (Infrared spectroscopy)
- VDE (Glow Wire Test)
= Electrical volume resistance as well as surface resistance
- Shore hardness (A+D)

**BACKED UP BY:
TECHNICAL INSTITUTES / UNIVERSITIES,
BASF AND OTHER POLYMER PRODUCERS**

MARKET SEGMENTS



OUR STRENGTHS

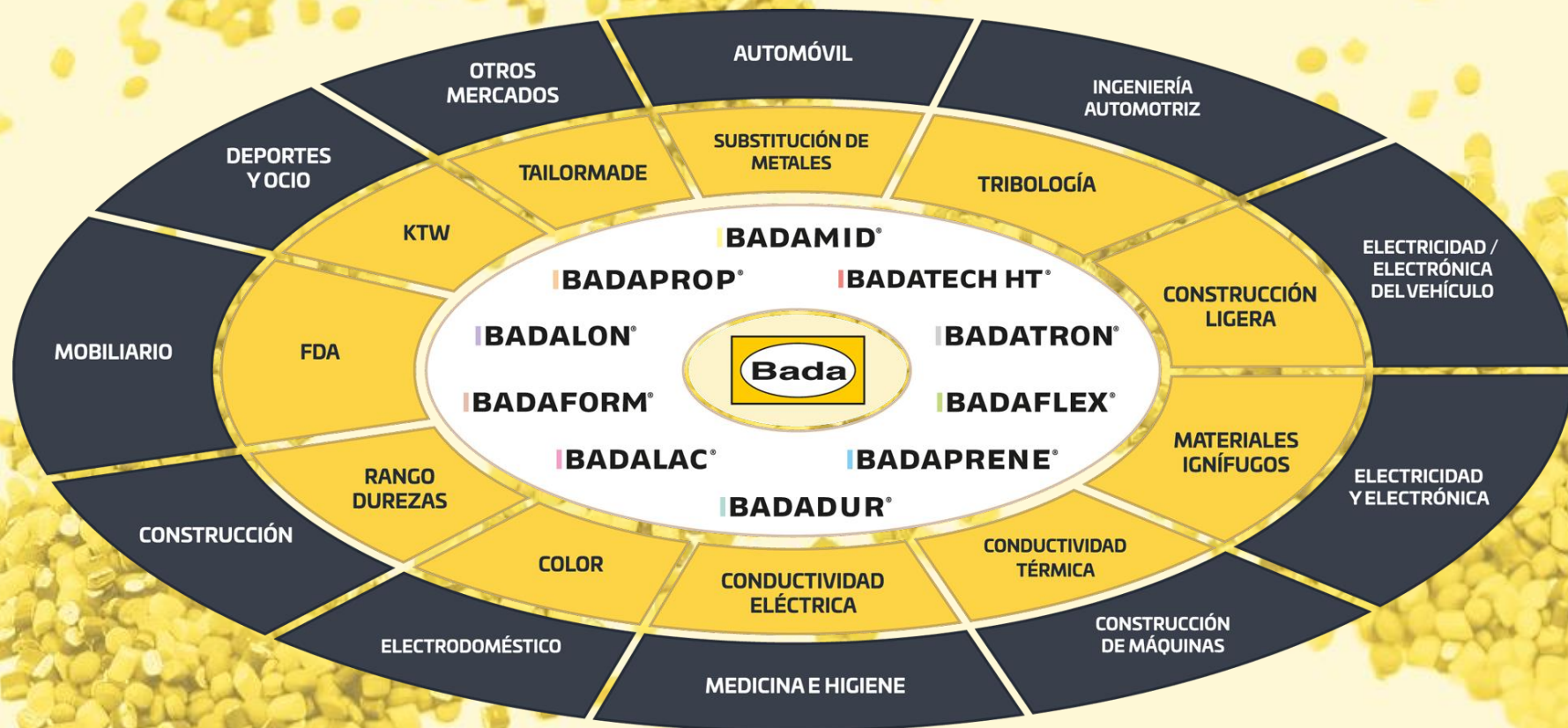
- ▶ Highest quality
- ▶ Individual customer service
- ▶ Tailor-made customer solutions
- ▶ Maximum flexibility and innovation
- ▶ Large product portfolio
- ▶ State-of-the-art technology
- ▶ Reliability





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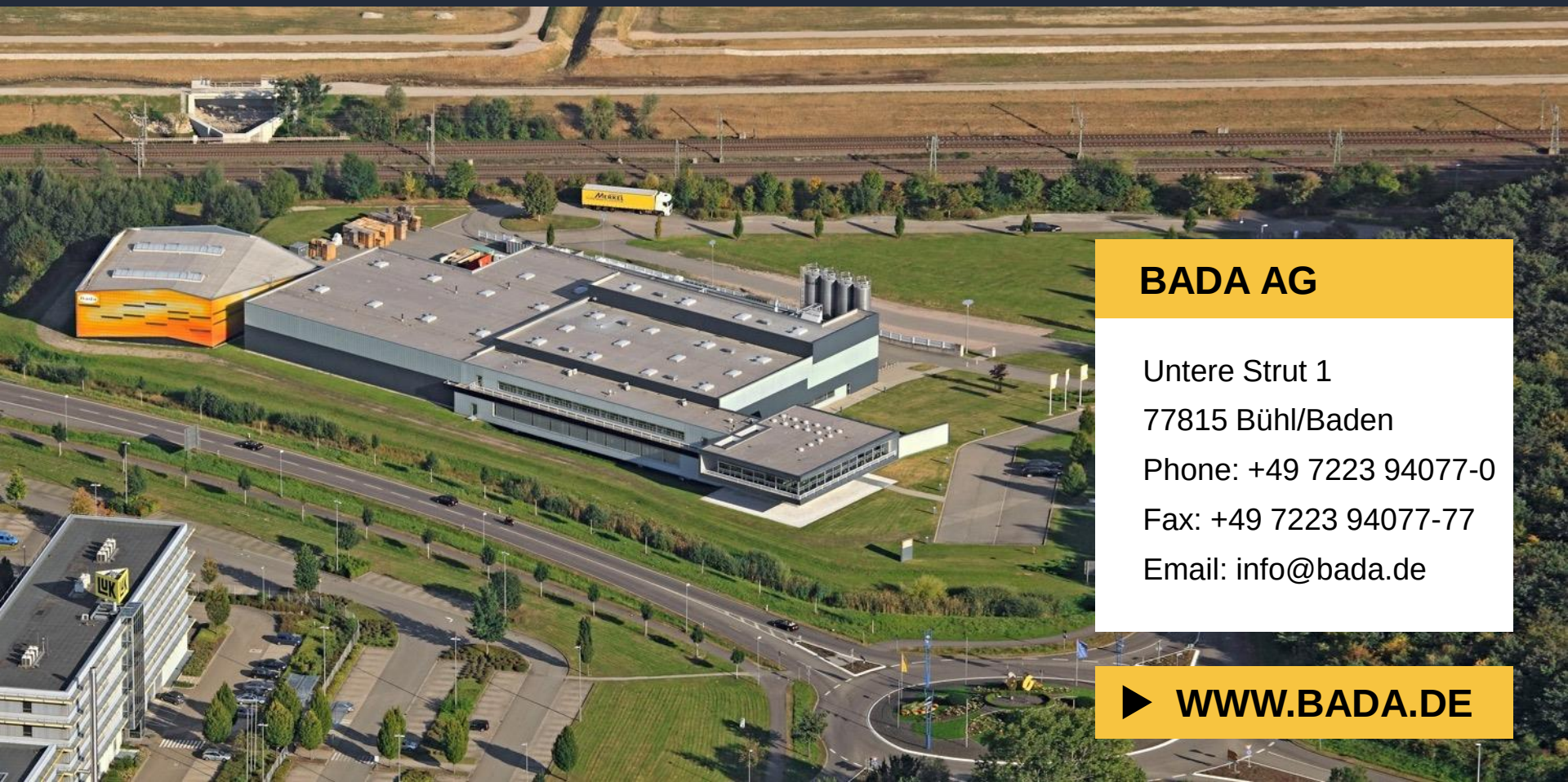
BADA – OUR EXPERTISE AT A GLANCE





LOS ESPECIALISTAS EN
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BENEFIT FROM THE ADVANTAGES OF BADA AG



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