



Welcome to Alupress –  
Your full-service partner

**alupress**

Automotive Die Casting Components

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4

Plants

750

Employees

Family owned company since

1965

130

Million € sales revenue in 2025

# From spin-off to global supplier

## Company history of Alupress Group



1965

Company founded as a spin-off of the Durst company



1974

Establishment of new company HQ in Brixen (Italy)



2002

Takeover of foundry in Hildburghausen (Germany)



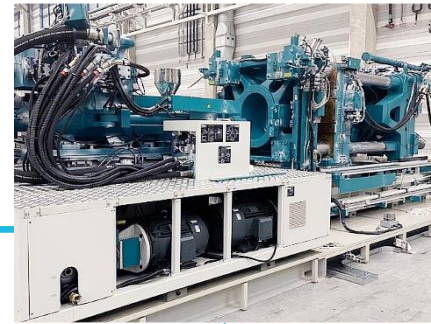
2008

Takeover of Alupress Tooling (Italy)



2009

Takeover of a subsidiary in South Carolina (USA)



2021

Commissioning of the magnesium thixomolding plant (Germany)



2022

Commissioning of the laser welding system (Italy)

2024

Various investments at the site in Laurens, South Carolina (USA)

2025

Thixomolding 2.0 installation in Hildburghausen (Germany)

# Part of the Technicon Group

## Key Facts

Revenues

~ 600 Mio. €

Languages

33

Employees

> 2.200

Years of Innovation

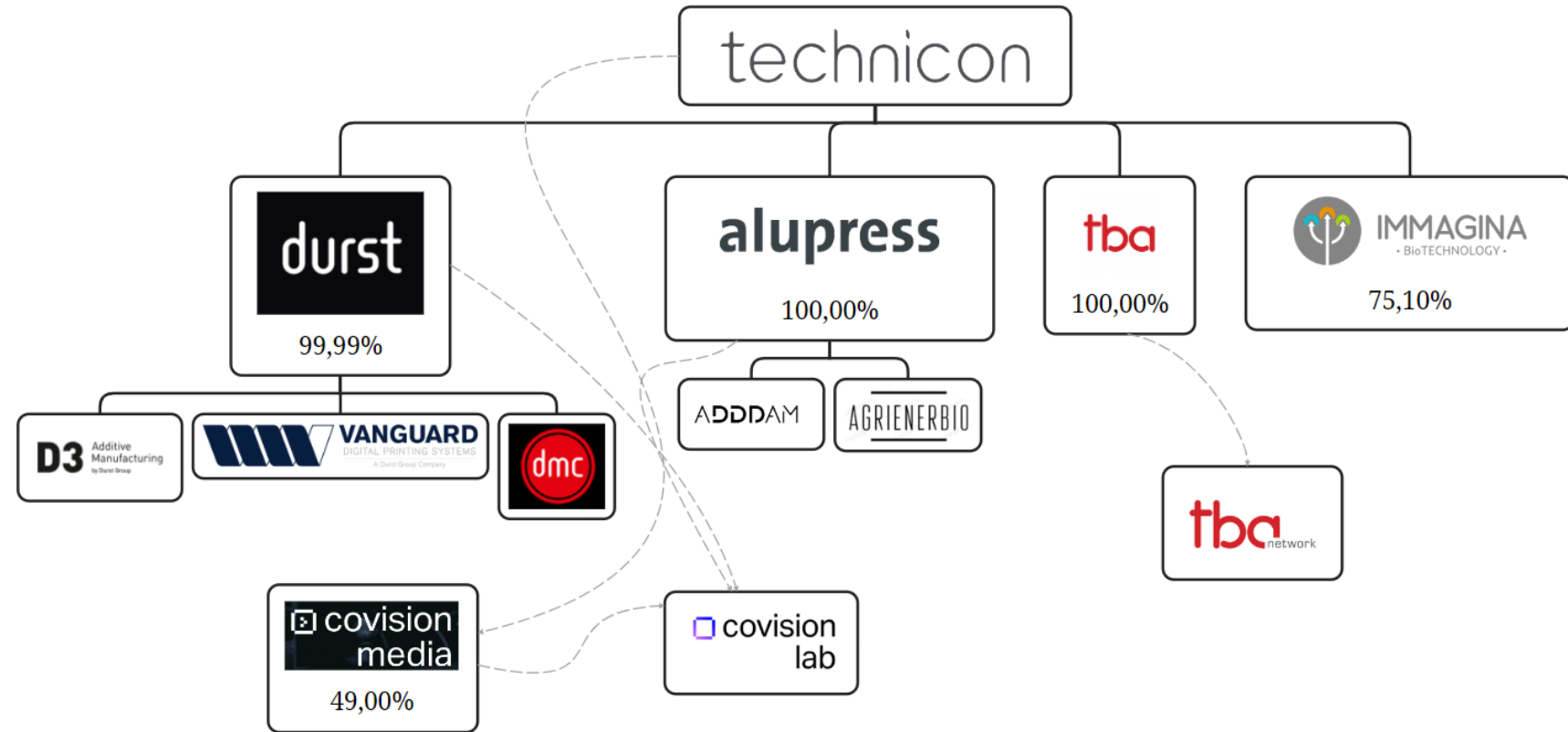
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Patents

> 350

Family

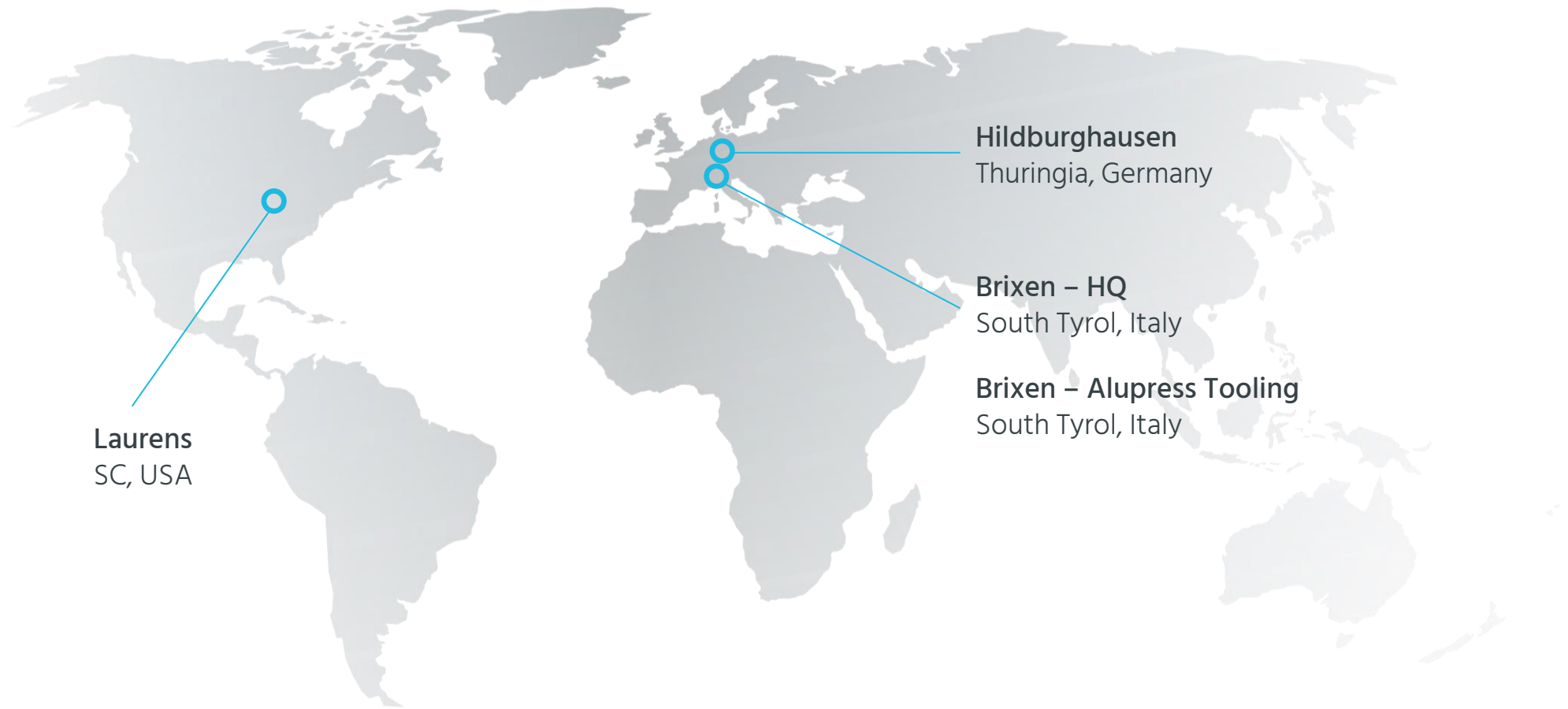
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[https://youtu.be/x8IKuNCw\\_Pk](https://youtu.be/x8IKuNCw_Pk)

# Locations of Alupress Group

Plants with the latest production facilities and technologies



# Alupress Brixen, HQ

All central functions, all processes



- + 30 high pressure die casting cells (HPDC):  
340–1050 t

## Processes:

- + Melting- degassing
- + Casting + deburring
- + Shot blasting and slide grinding
- + Machining
- + Washing
- + Leakage testing  
(differential pressure, helium)
- + Assembling (different lines)
- + Laser welding
- + Laser cleaning / Laser marking
- + In-house tool maintenance

## Laboratory activities & service:

- + CT scans
- + X-Ray
- + Clean Area
- + Residual dirt laboratory
- + Microscopic analyses
- + Bonding- and adhesion tests
- + Spectral analysis

## Alloys:

- + 226 - EN AC-46000 EN AC-AI Si9Cu3(Fe)
- + 230 - EN AC-44300 EN AC-AI Si12(Fe)
- + 231 - EN AC-47100 EN AC-AI Si12Cu1(Fe)
- + 239 - EN AC-43400 EN AC-AI Si10Mg(Fe)

# Alupress Tooling

Our technology center for tools



## Workplaces:

- + 4 CAD workplace
- + 8 CAM workplace
- + 3D printing metal
- + Die-sinking EDM system, palletized
- + Wire erosion machine
- + CNC 3 axis milling centers
- + 5-axis milling centers, palletized
- + HSC Milling
- + CNC Lathing
- + Roll grinding
- + Measuring machine
- + Assembly and polishing

# Alupress Hildburghausen

Our production plant in Germany



- + 25 high pressure die casting cells (HPDC) : 340–1400 t
- + 2 magnesium thixomolding cells

## Processes:

- + Melting- degassing
- + Casting – deburring
- + Shot blasting/ slide grinding
- + Machining
- + Washing
- + Leakage testing  
(differential pressure, helium)
- + In-house tool maintenance

## Laboratory activities & service:

- + Clean area
- + Adhesion tests
- + Spectral analysis
- + X-ray

## Alloys:

- + 226 - EN AC-46000 - AC-Al Si9Cu3(Fe)
- + 230 - EN AC-44300 - AC-Al Si12(Fe)
- + 231 - EN AC-47100 - AC-Al Si12Cu1(Fe)
- + AZ91HP – EN-MC21120 – EN-MCMgAl9Zn1

# Alupress Laurens

Our manufacturing location in the USA



- + 9 high pressure die casting cells (HPDC): 900–1400 t

## Processes:

- + Melting – degassing
- + Casting – deburring
- + Shot blasting
- + Machining
- + Washing
- + Leakage testing (differential pressure)
- + Assembling
- + In-house tool maintenance

## Laboratory activities & service:

- + Clean rooms
- + Residual dirt laboratory
- + Adhesion tests
- + CT scans
- + X-Ray
- + Density test
- + Spectral analysis

## Alloys:

- + A380.0 – similar to EN AC- $\text{AlSi9Cu3(Fe)(Zn)}$
- + A413.0 – similar to EN AC- $\text{AlSi12Cu1(Fe)}$
- + A413.0 with  $\text{Cu} < 0,1\%$  – similar to EN AC- $\text{AlSi12(Fe)}$

# Scope of production

## Processes:

- + High pressure die Casting -HPDC(400–1400 t) – deburring
- + Shot blasting and slide grinding
- + Machining with integrated measurement
- + Washing
- + Leakage testing (differential pressure, helium)
- + Assembling
- + Laser welding
- + Laser cleaning / laser marking
- + Magnesium thixomolding
- + In-house tool maintenance and toolmaking

## Laboratory activities & service:

- + CT scans & X-rays
- + Clean area & clean rooms
- + Residual dirt laboratory
- + Microscopic analyses
- + Bonding- and adhesion tests
- + Spectral Analysis
- + Density test

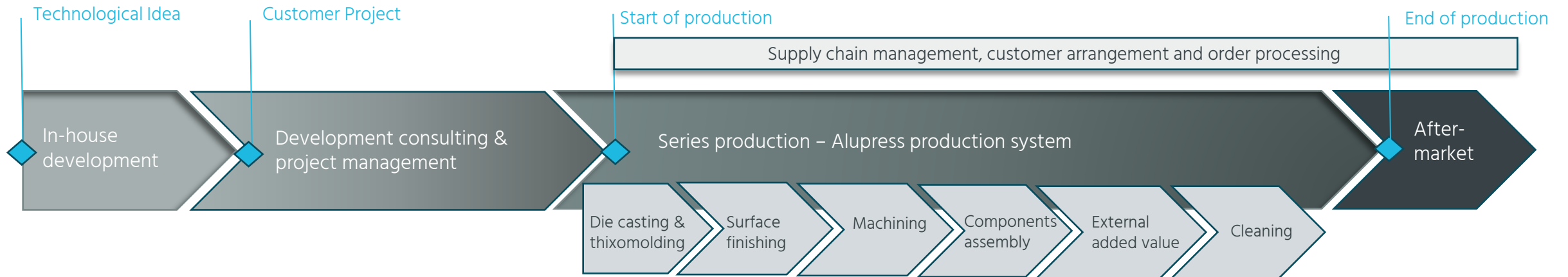
## Alloys:

- + 226 – EN AC-46000 EN AC-Al Si9Cu3(Fe)
- + 230 – EN AC-44300 EN AC-Al Si12(Fe)
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- + A380.0 – similar to EN AC-AlSi9Cu3(Fe)(Zn)
- + A413.0 – similar to EN AC-AlSi12Cu1(Fe)
- + A413.0 with Cu < 0,1% – similar to EN AC-AlSi12(Fe)
- + AZ91HP – EN-MC21120 – EN-MCMgAl9Zn1



# Full-service system solutions

In-house development, consulting, project management and production from a single source



# Process technology aluminum die casting

## Passenger vehicle applications

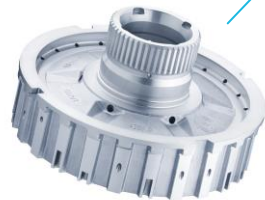
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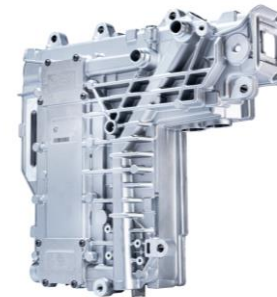
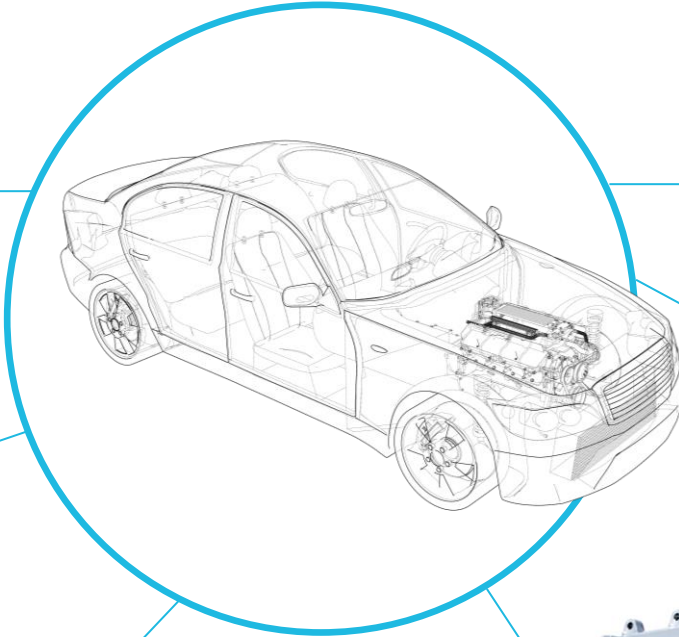
Powder-coated system carrier



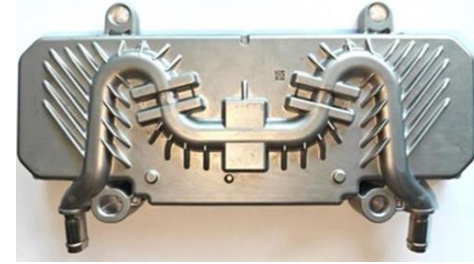
Component for long-range radar system



Automatic eight-speed gearbox clutch



Housing for power electronics in electric vehicles



Housing with integrated stainless-steel pipe

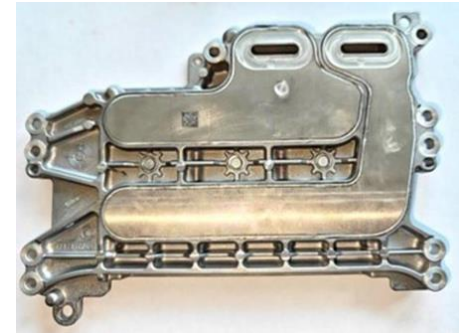


Electric power steering component

# Process technology aluminum die casting

Commercial vehicle and non-automotive applications

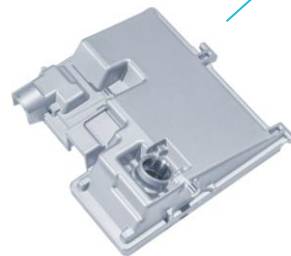
More on this:  
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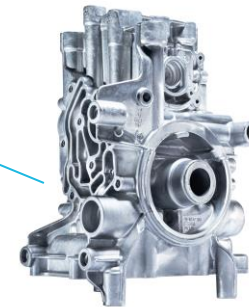
Cooling unit with integrated laser welded pin fin elements and laser welded covers



Housing for electronic trailer braking system



Housing for front camera



Housing for air circulation in braking systems

# Process technology magnesium thixomolding 2.0



Magnesium – processed by means of thixomolding – is of particular value for interior applications in the automotive sector. This process is however also an attractive solution for other mobility sectors and non-automotive markets.

Stefan Ploner, CTO



# Customers of the Alupress Group

Partner to the largest automotive suppliers

## Automotive



## Truck / non-automotive



# Sustainability within the company

A management model that will safeguard our grandchildren's world is central to our thoughts and our actions

## Social sustainability



- + Future-proof jobs
- + Equal opportunities
- + Market-oriented remuneration
- + Compatibility of family and career
- + Safe and fair working conditions

## Economic sustainability



- + Long-term partnerships with customers and suppliers
- + Increasing efficiency and application of new technologies
- + Safeguarding of profitability and financial stability

## Environmental sustainability



- + Significantly reduced CO<sub>2</sub> emissions by 2030
- + Energy saving
- + Circular economy for raw materials
- + Reduced water consumption
- + Waste reduction

+ Biogas plant in Umbria

+ Cooling using river water

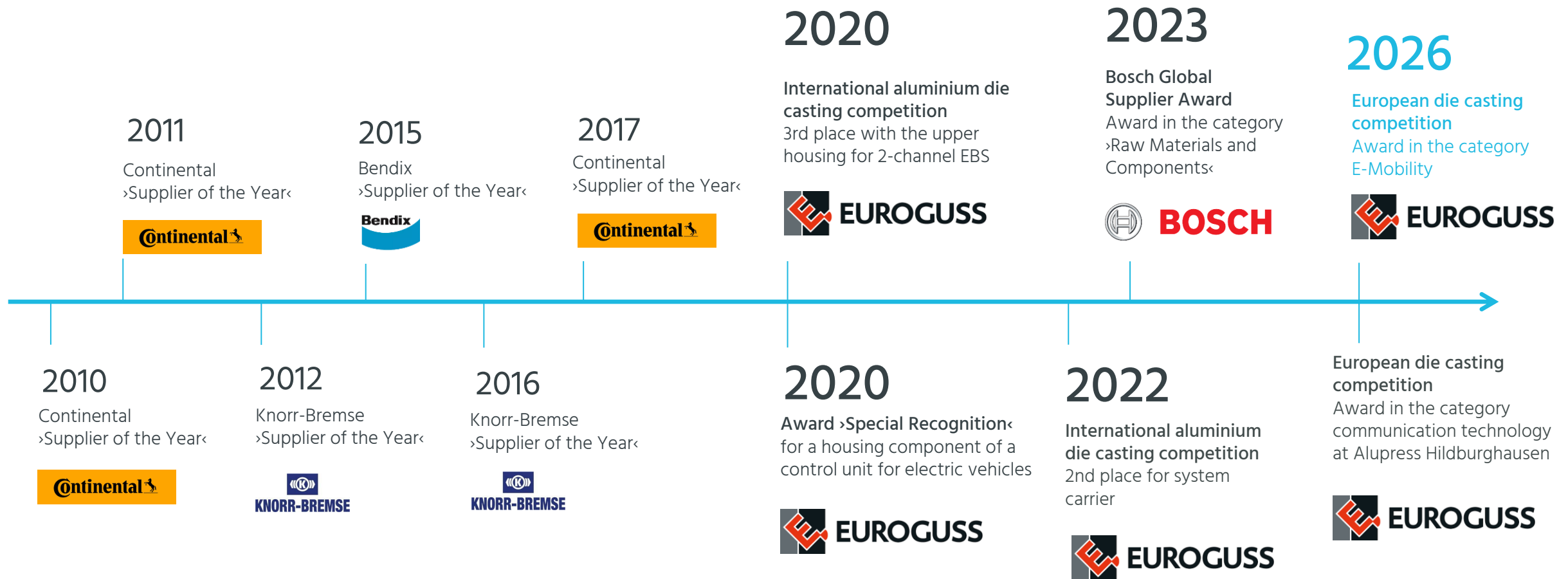
# Quality is our standard

## Certifications of Alupress plants

Certificate		Alupress Brixen	Alupress Hildburghausen	Alupress Laurens	Alupress Tooling Brixen
IATF: 16949:2016	Quality Management System – the standard for the automotive industry	+	+	+	
ISO 9001:2015	Quality Management System	+	+	+	+
ISO 14001:2015	Environmental Management System	+	+	+	
ISO 50001:2018	Energy Management System	+	+		
ISO 45001:2018	Occupational Health and Safety Management System	+			+
UNI PDR 125:2022	Gender Equality Management System	+			

# Best performance in technology and quality

Awards conferred on the Alupress Group



# Our Corporate Values

We create added value for our customers

We work safely

We offer trust and show appreciation

We are sustainable

For more information  
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