



Welcome to Alupress –  
Your full-service partner

**alupress**

Automotive Die Casting Components

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4

Plants

10000

Employees

Family owned company since

1965

143.5

Million € sales revenue

# 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)



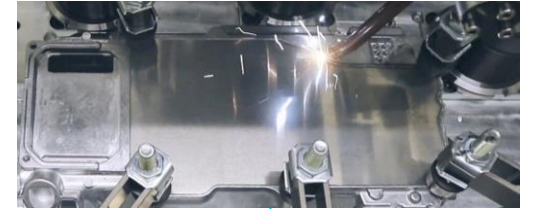
2009

Takeover of a subsidiary in South Carolina (USA)



2021

Commissioning of the magnesium thixomolding plant (Germany)

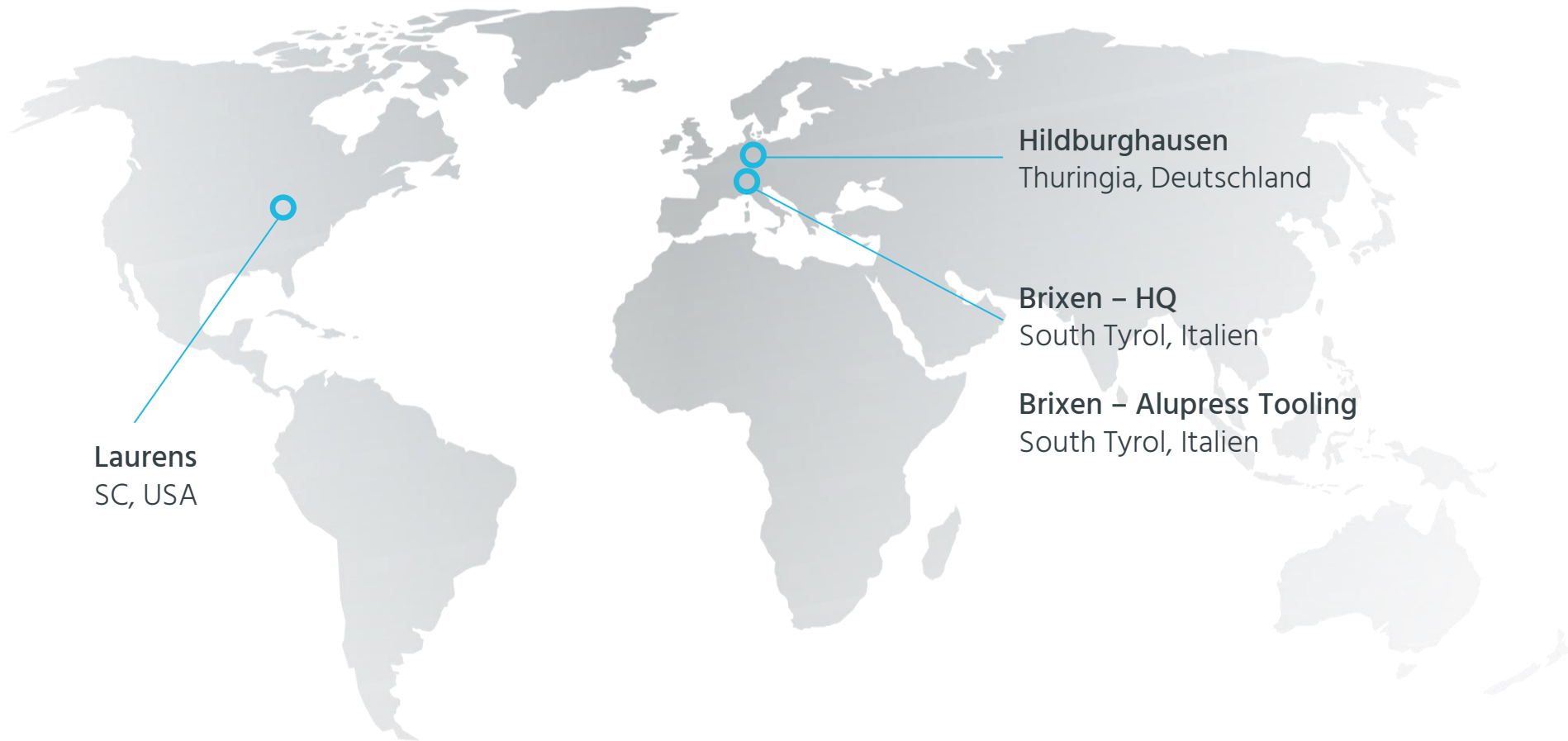


2022

Commissioning of the laser welding system (Italy)

# Locations of Alupress Group

Plants with the latest production facilities and technologies



# Alupress Brixen, HQ

All central functions, all processes



- + 32 die casting cells: 340–1050 t

## Processes:

- + Casting – deflashing
- + Shot blasting and slide grinding
- + Mechanical processing
- + Washing
- + Leakage tests  
(differential pressure, helium)
- + Coatings (external partners)
- + Assembly lines
- + Laser welding
- + Laser cleaning / Laser marking

## Laboratory activities & service:

- + CT scans
- + Clean Area
- + Residual dirt laboratory
- + Microscopic analyses
- + Bonding- and adhesion tests

## Alloys:

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



- + 26 die casting cells: 340–1400 t
- + 1 magnesium thixomolding plant

## Processes:

- + Casting – deflashing
- + Shot blasting/ slide grinding
- + Machining
- + Washing
- + Leakage tests  
(differential pressure, helium)
- + Coatings (external partners)

## Laboratory activities & service:

- + Clean area
- + Adhesion tests

## 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



- + 8 die casting cells: 900–1400 t

## Processes:

- + Casting – deflashing
- + Shot blasting
- + Mechanical processing
- + Washing
- + Leakage tests  
(differential pressure, helium)
- + Coatings (external partners)
- + Assembly lines

## Laboratory activities & service:

- + Clean area
- + Residual dirt laboratory
- + Adhesion tests

## Alloys:

- + 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)



# Scope of production

## Processes:

- + Casting (400–1400 t) – deflashing
- + Shot blasting and slide grinding
- + Mechanical processing
- + Washing
- + Leakage tests (differential pressure, helium)
- + Coatings (external partners)
- + Assembly lines
- + Laser welding
- + Integrated measurement & 100% testing
- + Laser cleaning / laser marking
- + Magnesium thixomolding plant
- + In-house tool maintenance and toolmaking

## Laboratory activities & service:

- + CT scans & X-rays
- + Clean area
- + Residual dirt laboratory
- + Microscopic analyses
- + Bonding- and adhesion tests

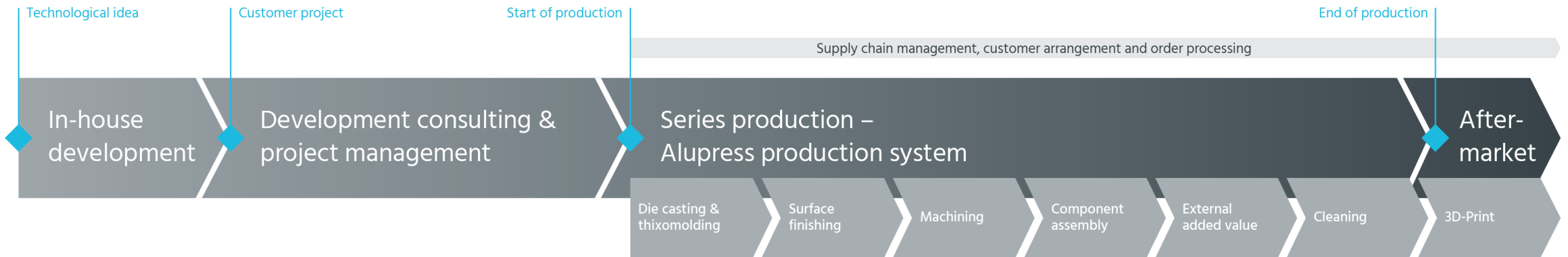
## Alloys:

- + 226 – EN AC-46000 EN AC-Al Si9Cu3(Fe)
- + 230 – EN AC-44300 EN AC-Al Si12(Fe)
- + 231 – EN AC-47100 EN AC-Al Si12Cu1(Fe)
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- + A413.0 with Cu < 0,1% – similar to EN AC-ALSi12(Fe)
- + AZ91HP – EN-MC21120 – EN-MCMgAl9Zn1



# Full-service system solutions

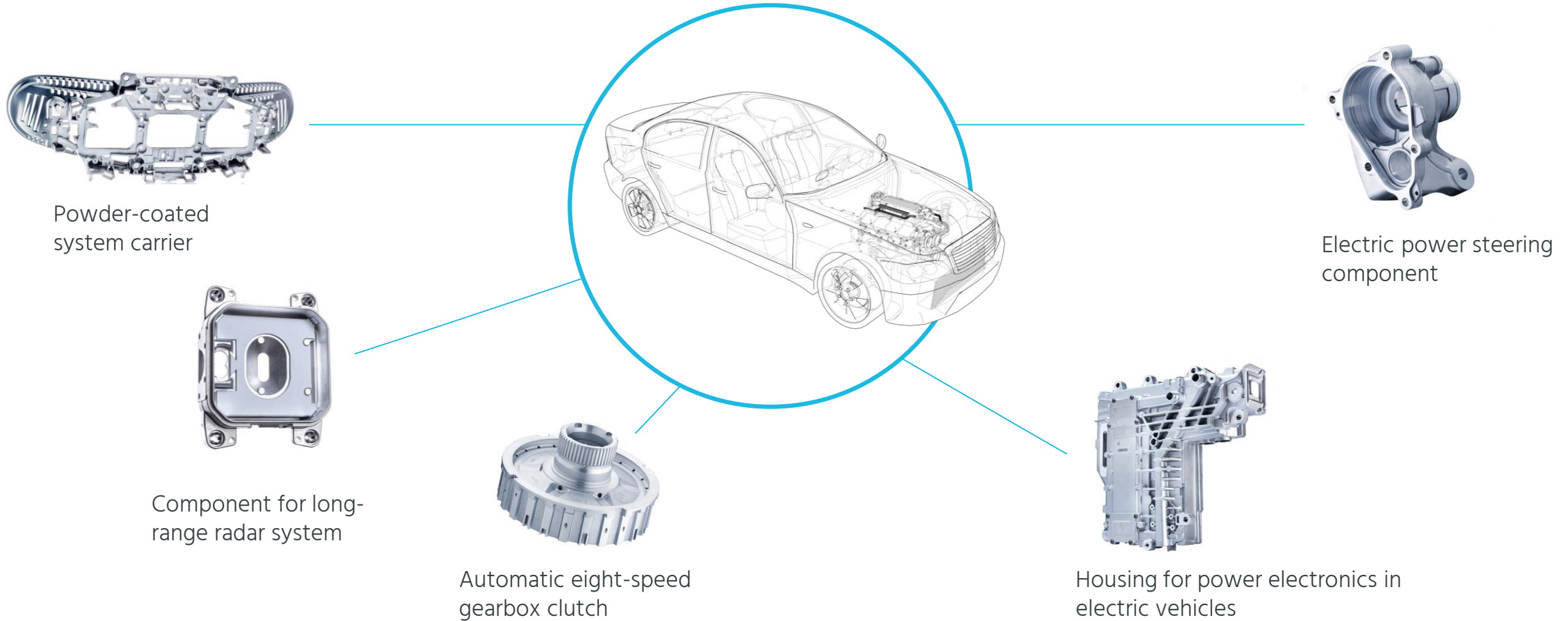
In-house development, consulting, project management and production from a single source



# Process technology aluminum die casting

More on this:  
[https://youtu.be/v26h\\_q-9z4A](https://youtu.be/v26h_q-9z4A)

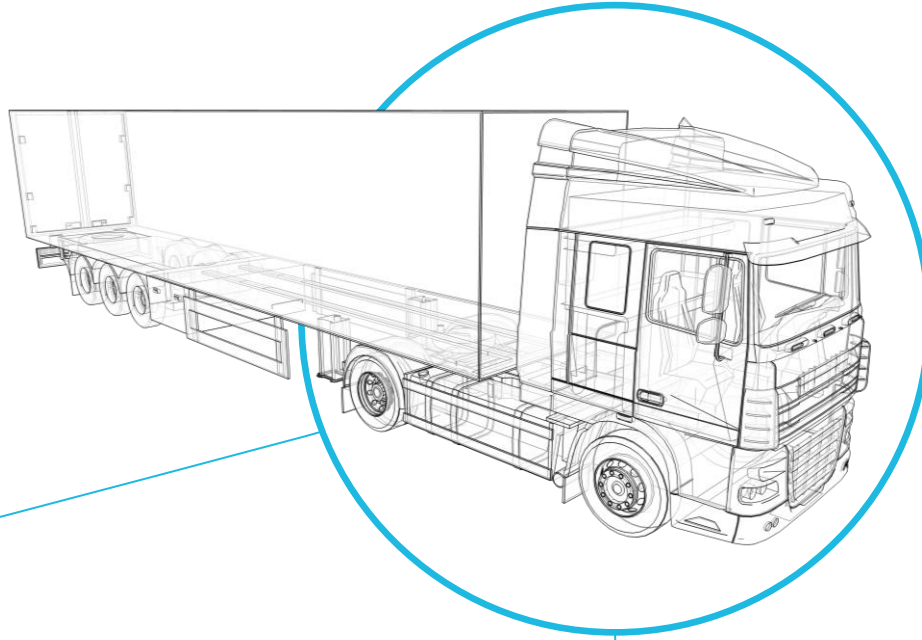
Field of application Car



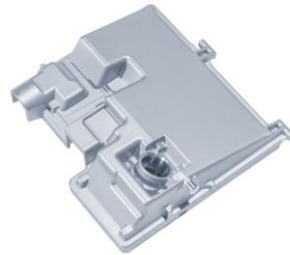
# Process technology aluminum die casting

More on this:  
<https://youtu.be/uBfweX9dq70>

Field of application Truck



Housing for electronic trailer braking system



Housing for front camera



Housing for air circulation in braking systems

# Process technology magnesium thixomolding



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



A photograph of two men sitting at a table in a meeting. The man on the left is wearing a light blue button-down shirt and is holding a white plastic component. The man on the right is wearing a dark blue blazer over a white shirt and is smiling. The background is a blurred office setting. The text 'Long-term partnerships' is overlaid in white on the image.

# Long-term partnerships

# Customers of the Alupress Group

Partner to the largest automotive suppliers

## Automotive



## Truck / non-automotive



# Sustainability

in all areas





# Sustainability within the company

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



## Environmental sustainability:

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



## 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

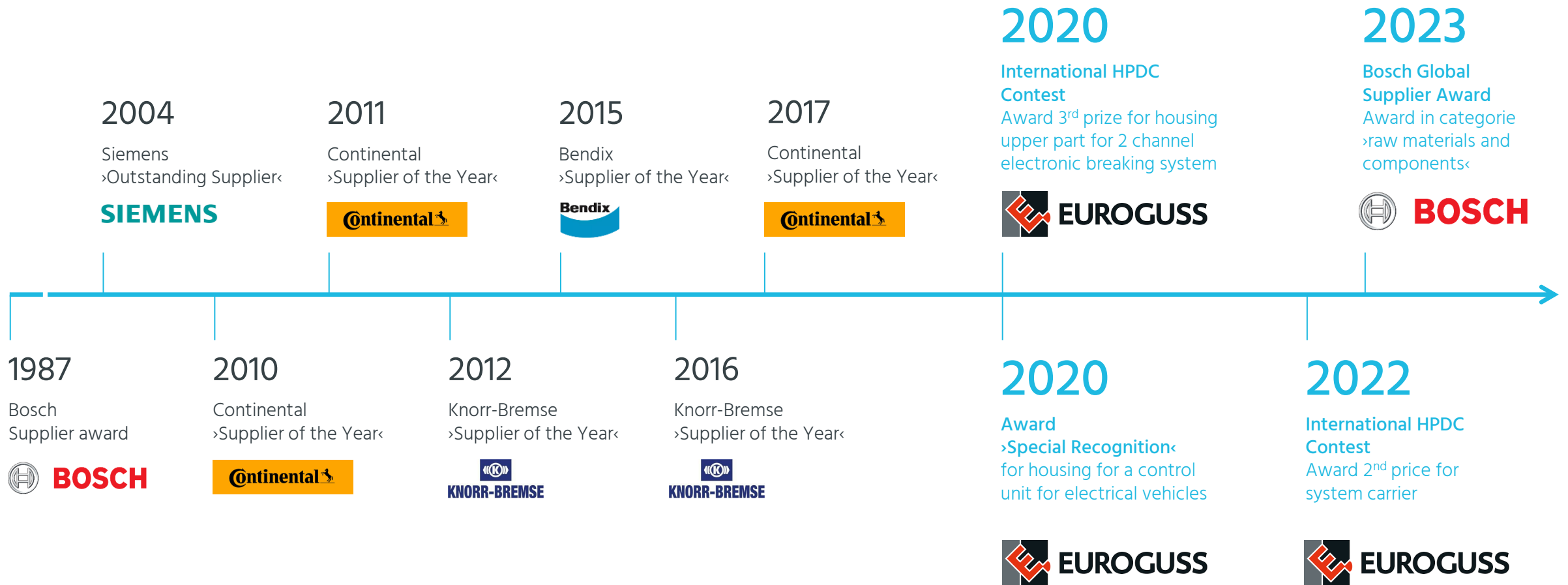
# Quality is our standard

## 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	+			+

# 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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