



part of



# ASTOTEC

Future powered by excellence.



# Willkommen bei ASTOTEC

We are part of ORASIS Industries Holding GmbH. With our three lines of business, all of them leaders in their field, we represent the division pyrotechnic.



#### **Astotec Automotive – Automotive Excellence**

Only pyrotechnics can produce sufficient power to bring certain applications into motion or activate them in milliseconds. We are your partner for custom-made, innovative solutions.

#### **Astotec Pyrotechnic Solutions – Excellent Solutions**

A name that stands for unmatched quality and experience. We offer inspiring, innovative ideas and a wide range of customized solutions for different applications.

#### **Astotec Metal Processing – Excellent Processing**

We are an innovator in the field of small and medium-sized stamped and bent metal parts. As a TIER 1 and TIER 2 supplier, we co-develop products, manufacture and finish them in line with customer requirements.

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#### **Our Vision**

ASTOTEC developments and solutions can help to save lives within milliseconds. Our knowledge and expertise give us the opportunity to create a safer world now, and in the future.

#### **Our Mission**

ASTOTEC works on the global megatrends in today's automotive and industrial sectors and aims to help reduce the 1.35 million traffic fatalities each year. "Future powered by excellence" is much more than a slogan; it drives all our employees to deliver innovative ideas and outstanding precision work that really move society forward.

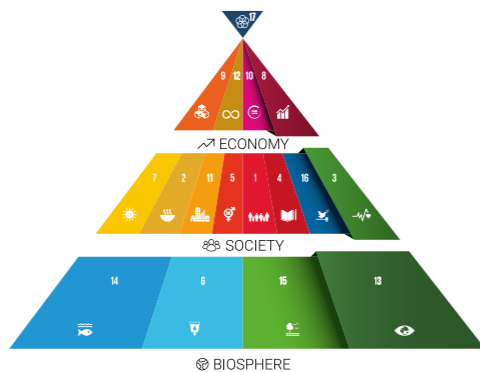


# FAIR – unser CSR Programm

In 2019, ASTOTEC began to deal more intensively with the topic of Corporate Social Responsibility - the social responsibility of companies to operate sustainably. Until then, CSR had already subliminally existed in many individual projects and initiatives.

## Sustainability as a responsibility

ASTOTEC aims to foster sustainable development in a systematic approach. In order to deliver on our promise as an environmentally friendly and socially responsible company, we launched a dedicated CSR program in 2020 called "FAIR". FAIR is a combination of the three pillars of sustainability: "People, Planet, Profit", and of the 17 Sustainable Development Goals agreed on by the United Nations (UN) - also known as the 2030 Agenda. This program enables us to combine a holistic approach with tangible goals that really promote sustainability.

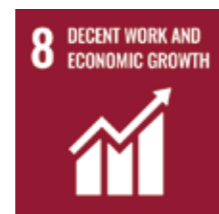


3 PILLARS OF SUSTAINABILITY



## CSR Strategy

In order to enhance the strategic orientation in terms of sustainability, three core SDGs - one SDG for each pillar of sustainability - were defined.



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Our values are our greatest asset



## Driving innovation

Each day, we look for the best solutions for our customers and our company. By continuously optimizing our entire organization, we are creating a solid basis for a successful future for us all.

## Taking responsibility

We recognize our responsibility towards people, the planet and our profit. The combination of all three is our path to a sustainable, successful future.

## Passionate and motivated

Our work and achievements are our biggest passion. This is what drives us constantly.

## Team means together

We know we can be successful if we work as a team; after all, **T**ogether **E**verybody **A**chieves **M**ore.



# Astotec Automotive

As a global player in pedestrian and occupant safety as well as battery separators, Astotec Automotive works with premium OEMs and TIER 1 companies to develop highly innovative safety solutions. Our one-stop-shop is a supplier to a number of OEMs and TIER 1 companies.

## Your partner for every step

With highly qualified teams, we accompany you from the first concept on to prototype assembly and finally to serial production.



## Research and development

We offer you innovative concepts that form the basis for future serial products.

## Testing and simulation

In our test centre, we analyse products, concepts and even entire systems together with you.



## Series production

Whether fully automated, semi-automated or largely manual - we have the right manufacturing strategy and the right team for your product.

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## Our products

Every day, these technologies help us save lives.



## Passenger safety

Our product portfolio covers a wide range of applications designed to protect occupants, minimize injuries and increase vehicle safety.



## Electrical safety elements

In the event of a short circuit or failure, our products close or interrupt an electrical circuit within milliseconds. This enables faster shutdown than conventional systems, protects occupants and minimizes the risk of fire.



## Industrial applications

Wherever minimum installation space, speed, reliability and weight require a cost-efficient use, our products offer you exceptional advantages.



## Pedestrian safety

We are the global market leader for active hoods. Our actuators protect pedestrians, cyclists and children from serious injuries in the event of collision with a vehicle.



## Igniters and pyrotechnics

All renowned auto manufacturers and their suppliers rely on our pyrotechnic igniters. Our core components are developed and manufactured in-house, and therefore can be tailored exactly to your requirements.

# Astotec Pyrotechnic Solutions

We offer pyrotechnic components and blasting products, e.g. pyrotechnic delay elements or energetic materials manufactured according to your requirements as well as matching thermoplastic injection moulded and metal turned parts.

## Series production of pyrotechnic components

We are an industry leader when it comes to developing innovative pyrotechnic solutions, and we have experience of working in accordance with various customer standards.

We find innovative pyrotechnical solutions for you: We support you in pyrotechnical and blasting technology issues, from the pre-development of special products to the process layout of mass products.

## Research and development

We invest in research and development and regularly adapt our capacities and competences to be a step ahead of the needs of the market and our customers. Furthermore, we network with internal research facilities and external institutes. This enables us to ensure REACH, CE and BAM conformity as early as the development phase.



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## Our products



## HiFIRE fuseheads

The electrical and pyrotechnic parameters of our HiFIRE fuseheads ensure high precision and outstanding reliability. They are preferably used in seismic electronic detectors, as well as in a number of safety-related devices and applications in the film and fireworks industries.



## HiFIRE igniters

Our electric igniters are produced on modern production lines and are unmatched in quality and precision. Each and every igniter undergoes rigorous testing before delivery.



## Pyrotechnic components

We offer a range of pyrotechnic components and blasting products, e.g. pyrotechnic delay elements and energetic materials, all made in line with customer requirements in combination with matching thermoplastic injection-moulded parts and metal turned parts.

# Astotec Metal Processing

Many renowned brands in the automotive, medical and electronics industries count on the precision and quality of Astotec Metal Processing. As a TIER 1 and TIER 2 supplier, we co-develop products, manufacture and finish them. Our work processes range from stamping, bending and according to specific customer requirements such as welding and surface treatments.

## Our offer

### Development and design

Our highly skilled engineers can fulfill any requirement. Thanks to 3D CAD Software NX by Siemens, we are able to support the entire design and manufacture process from start to finish.



### Tool making

We make the following tools and devices entirely in-house:

- Progressive die stamping tools
- Stamping tools
- Bending tools
- Forming tools
- Tools for prototypes

### Production of stamped and bent parts-

- Servo stamp forming press machines with a pressing force of up to 200t
- Eccentric press machines with a pressing force of 40t to 125t
- Bihler stamping and bending machine with a pressing force of 6t to 30t

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## Our know-how for your success

### Technology

Thanks to our highly automated mass production, additional processes can be easily incorporated into the stamping and bending procedures. Our combined stamping and bending machines support even complex assembly methods.



### Materials

Our products are available in different materials and alloys (thickness 0.05-5 mm, width up to 420 mm):

- Aluminium
- Steel
- Stainless steel
- Brass
- Copper
- Bronze
- Surface coated materials

### Finish

We offer additional finishing procedures once the stamping process is complete:

- Heat treatments
- Surface treatments
- Tumble finishing
- Polishing
- Ultrasonic cleaning
- Degreasing
- Plastic overmolding



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