

## Challenge

# New Opportunities with PYROtechnical Products

Today many pyrotechnical products are well known and in use in automotive applications. The most obvious ones are airbags which are preventing severe injuries to the occupants in the event of a crash. Beside these, there are many other like pedestrian safety actuator, battery disconnectors, pyrotechnical switches which all rely on the same principal: using pyrotechnical substances to create high gas pressure to ensure fast reactions within milliseconds.

The challenge in this project is to invent new opportunities/new applications for the use of pyrotechnic within the field of automotive as well as industry and personal use.



## Industry Partner



ASTOTEC is an Austrian industrial and technology company with a global presence and outlook. ASTOTEC serves the automotive market, the mining and explosives sectors, and special pyrotechnic applications beyond automotive safety. Using our experience and expertise, we help to save lives in milliseconds.

The guiding principle “Future powered by excellence“ is what drives us to create innovative solutions that make the world a safer and better place every day.

ASTOTEC works on the global megatrends in today's automotive and industrial sectors and aims to move society forward and help reduce the 1.35 million traffic fatalities each year.



## Mission

- Invent new opportunities / applications / products with use of pyrotechnic
- Describe the potential market for the invention and the potential yearly demand (min. >50k/year)
- Market overview of already existing products / applications outside of automotive industry

