

Hirtenberger. Ingenuity. Engineered.



**hirtenberger**  
Automotive Safety



# PYROTECHNIC EXPERTISE

INDIVIDUAL & INNOVATIVE



## PEDESTRIAN PROTECTION

Pushing actuators for active hood hinges and latches.



## OCCUPANT PROTECTION

Pushing and pulling actuators for active steering-column release.



## OCCUPANT PROTECTION

Pushing and pulling actuators for active door locks.

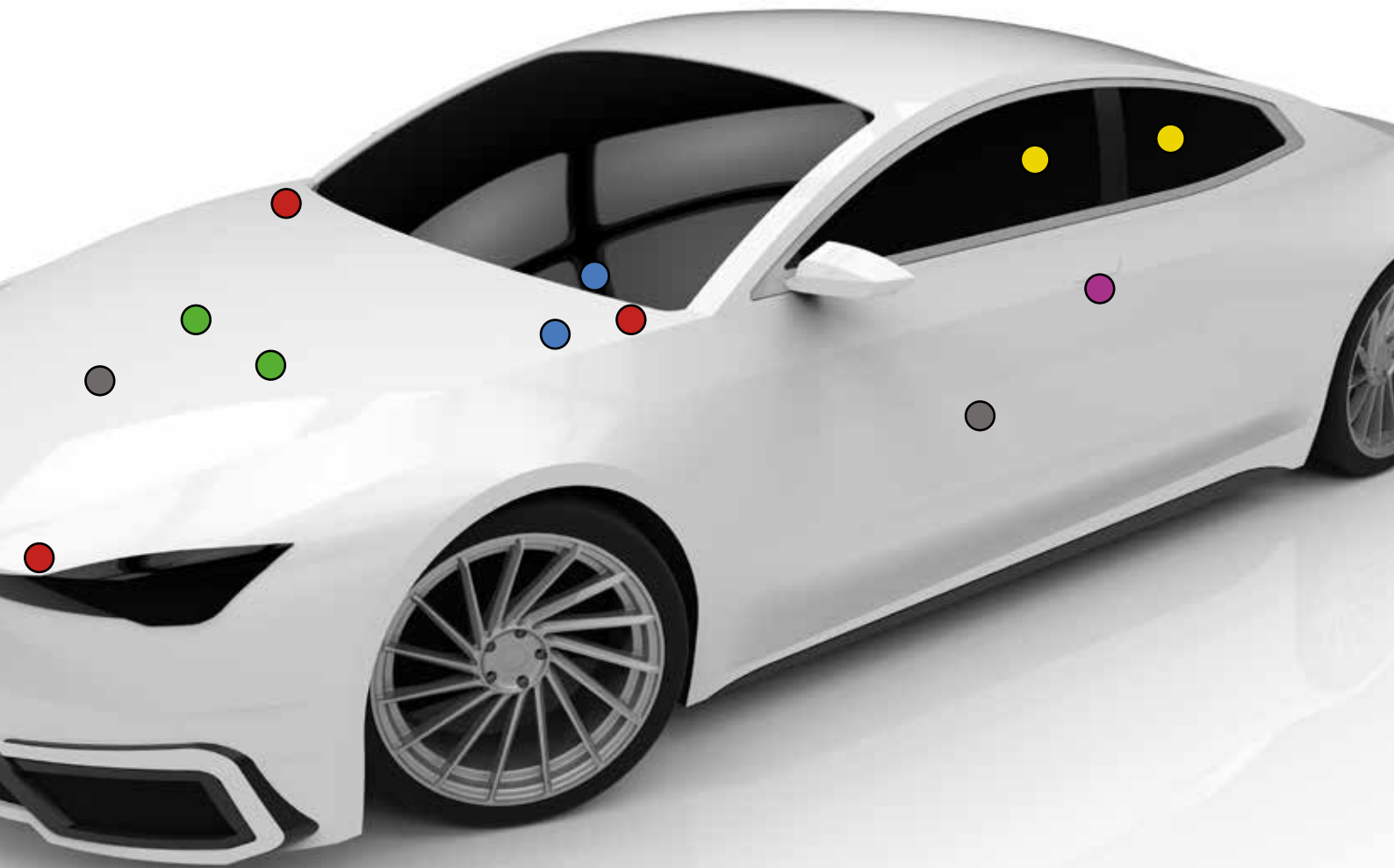


## WHO WE ARE

Hirtenberger Automotive Safety specializes in developing and producing advanced pyrotechnic solutions for systems to protect pedestrians and occupants, as well as for non-automotive applications.

Our highly innovative developments bring technological and competitive advantages wherever they are used.

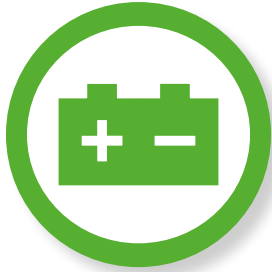
# PRODUCTS THAT PROTECT



## OUR SERVICES

Development – Engineering – Simulation – Testing – Cost-Efficient Series Production

With our outstanding research and development track record and our long manufacturing experience, Hirtenberger is the ideal partner at every stage in the development process, from initial concepts to pre-production to volume manufacture. Our extensive manufacturing resources give us great cost efficiencies while assuring that our products meet very rigorous quality demands.



## ELECTRICAL SAFETY

Circuit breakers and battery disconnectors for post-crash safety and fire protection.



## OCCUPANT PROTECTION

Micro gas generators for seatbelt and buckle pretensioners.  
Pushing actuators for active headrests.



## SPECIAL SOLUTIONS

Pipe cutters, active strikers, inflatable structures and other customized products for your applications.



## OUR CUSTOMERS

Hirtenberger is a supplier and development partner to almost all leading OEMs and Tier 1 suppliers.

Since our founding in 1993 we have produced hundreds of millions micro gas generators and pyrotechnic actuators for the automotive industry. We entered the automotive sector as a Tier 2 supplier and worked our way up to become a Tier 1 supplier, and now supply leading automakers.

# HIRTENBERGER DEVELOPMENT CENTER

## FULL CAPABILITIES IN HOUSE

Advanced equipment to evaluate all product parameters. Immediate analysis and actionable results within the hour. Changes can be made at very short notice. Fast decision-making for product optimization. Current source for testing of electric components is a capacitor bank generating 30.000 A at 1000V DC. Complete in-house environmental testing available.

HEADQUARTER EUROPE  
HIRTENBERG AUSTRIA (AT)

PRODUCTION PLANT EUROPE  
PÁPA HUNGARY (HU)



NORTH AMERICAN OFFICE  
AUBURN HILLS, MI



**Hirtenberger Automotive  
Safety GmbH & Co KG**  
Leobersdorfer Strasse 31-33  
2552 Hirtenberg / Austria  
Phone: +43 2256 811 84-379  
Fax: +43 2256 815 18  
E-Mail: [has@hirtenberger.com](mailto:has@hirtenberger.com)

[has.hirtenberger.com](http://has.hirtenberger.com)



**Hirtenberger Automotive  
Safety North America, Inc.**  
3201 University Drive, Suite 150  
Auburn Hills, MI 48326 USA  
Phone: +1 248 972 2800  
E-Mail: [has-us@hirtenberger.com](mailto:has-us@hirtenberger.com)

[has.hirtenberger.com](http://has.hirtenberger.com)