

About IABG

IABG offers integrated, ground-breaking solutions in the sectors Automotive • InfoCom • Mobility, Energy & Environment • Aeronautics • Space • Defence & Security. We provide independent and competent consulting. We implement with future viability and target orientation. We operate reliably and sustainably. Our success is based on an understanding of market trends and requirements, on our staff's technological excellence and a fair relationship with our customers and business partners.

As a development partner we provide quality control services and develop solutions in the areas of functional efficiency, quality, design, and materials. We offer a broad spectrum of products and services, ranging from numerical analysis to experimental testing and the realisation of turnkey, customised test systems that we operate for the customer.

For further information please contact:

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AUTOMOTIVE



INFOCOM



MOBILITY,
ENERGY &
ENVIRONMENT



AERONAUTICS



SPACE



DEFENCE &
SECURITY

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Testing and Qualification of Protected Military Vehicles

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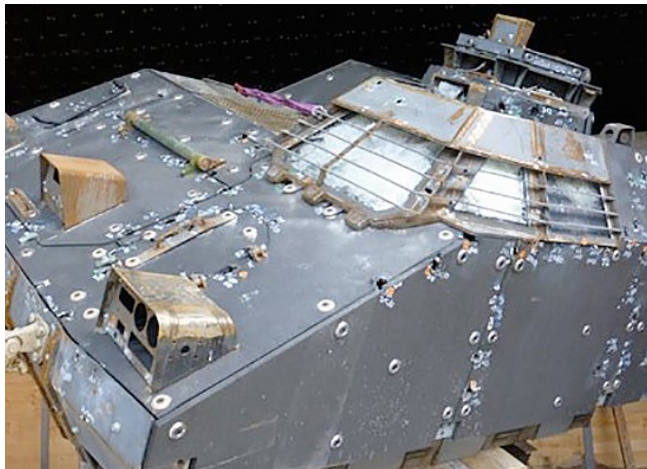
Cover picture: Mine blast test on a military vehicle

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Testing and qualification of protected civilian vehicles according to

- STANAG 4569 AEP-55 Vol. 1 to Vol. 3
- Further standards and customer specifications possible



Ballistic qualification

IABG provides a full scale of high-quality services in collaboration with the customer

- From first vehicle inspection to test performance, documentation of test results, and issuance of certificates
- Ballistic, mine, and improvised explosive devices (IED) tests
- Pre-tests on materials, structures, and components
- Development support
- Fully equipped workshop with qualified staff
- Workshop located next to proving ground
- Time-optimised and efficient test campaign
- Customer participation at the entire test programme

Entire spectrum of measurement technology available

- Crash test dummies
- High speed video cameras
- Pressure measurement
- Acceleration measurement of structures
- Velocity and yaw angle measurement of projectiles
- Further data acquisition available on demand



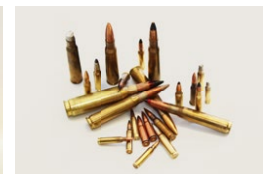
Test preparations

Available threats

- Common ammunition of various standards in the calibre range from .357 Magnum to 30 mm
- FSP artillery fragment from 5.56 mm to 20 mm
- Anti-tank mines
- Fragmentation charges: DM31, MON100, etc.
- IED: underbelly mines, road side blast, multi fragments, Explosively Formed Projectiles (EFP)



Selection of available threats



Range of common ammunition

Why you should rely on us

We are a **neutral company** helping our customers meet mandatory test regulations. **We provide an overview** of how test objects react in worst case scenarios along with analyses of their potential weaknesses. **According to the test results, we issue certifications** that enable market access and facilitate sales.

- IABG is certified according to DIN EN 9001
- IABG's ballistic, blast, and impact tests are accredited according to DIN EN ISO/IEC 17025
- IABG is member of the Team of Experts of STANAG 4569 and 4686
- IABG is partner of the German Federal Armed Forces



Blast test on a protected military vehicle

