

HighEnd Security with unival group Blast Protection

[unival group/ German Procurement Services GmbH](#)

Unival group is a leading German manufacturer and supplier of advanced security technologies with a special focus on blast protection and explosives detection. The group's clients are government organisations, NGOs, multi-national companies and security companies in emerging markets.

unival group is a specialist in turnkey blast protection for both stationary and mobile applications. Its vision is to create a complete protection scheme that covers physical protection, explosives detection and the latest counter IED technologies based on RF digital wideband systems for building and convoy protection.

Frequency and bomb jamming systems

unival group's systems are believed to be the most advanced digital jamming systems available on the market and meet strict German quality standards. The systems allow efficient disabling of powerful radio and cellular communications, and of special devices, by effective allocation of jamming power based on efficient risk analysis. In addition, unival group's vehicle shielding protects vehicle occupants against radiation created by digital jamming systems to ensure radiation exposure limits are not exceeded. System features include:

- Compact construction (plug-in and play)
- MIL STD 810
- Total wide band 10MHz to 8GHz (up to 18GHz)
- Fully programmable software based on a 8.5GHz FPGA (Field Programmable Gate Array) control board that allows field programming of the system based on an upgradable database that is supplied with the system

- Free input and output configuration
- Real-time jamming and analysis for permanent synchronisation of the system, especially important for convoy use.
- Remote-controlled and programmable through all common interfaces
- Patented and upgradable horizontal and vertical extendable antenna system with wide output and a multi-mounting system
- External alternator for up to 1,000W extra power
- German certification and proof of performance radiation shielding for protection radiation dome.

Sniffex®Plus explosives detection

The SniffexPlus handheld explosives detection device is capable of detecting explosives at distances from 2m to 100 metres (depending on their type and quantity), even when they are concealed in buildings or in vehicles located behind concrete walls or metal barriers.

The device detects a wide variety of explosives including, but not limited to TNT, dynamite, ammonite (+ diesel), PETN, RDX, gunpowder, Semtex, C4 based on its ability to detect the presence of Nitro Oxides (NO₂ or NO₃) compounds within its effective range.

SniffexPlus operates through the human body interface and contains a power source that "modulates" the applied DC magnetic field. The antenna works as an integration device indicating the direction of the explosives by detecting the line of interference. Used in field reconnaissance, it even works from road vehicles and helicopters enabling pre-screening of large areas in the shortest possible time.

Ballistic material supply

unival group supplies Thyssen Krupp ballistic steel from stock either in the form of cut flat plate or formed and welded fabrications profiled to customer requirements, as well as ballistic ceramics, armouring kits, ballistic blankets and ballistic blanks. All materials are certified by independent, government-approved ballistic testing authorities.

Armoured security vehicles

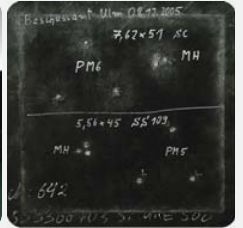
All armoured vehicles including 4x4s, limousines, trucks and CITs are manufactured in accordance with German safety regulations and are in full compliance with European standards. Other products included Explosafe and armoured fuel cell based autonomous power supply systems. ■



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unival security · HighEnd Security Systems Mission Protection Systems



Armoured Vehicles · Ballistic- & Blast Protection · Bomb- & Communication Jamming Systems
HD Video Systems · Surveillance Systems · Explosives Detection · Autonomous Power Supply

Integration

We supply the following MISSION PROTECTON SYSTEMS:

Armoured 4x4s
Armoured limousines
Armoured trucks
Armoured CITs
Explosafe and armoured fuel tanks
Run-flat systems

Ballistic steel
Ballistic ceramics
Armoring kits
Ballistic blankets
Ballistic glass

Digital bomb jamming systems
Communication jamming systems
GSM (prison) jamming systems
HighTag™ Tracking
Monitoring systems
Autonomous (fuel cell) power supply

Security containers
Construction-security products
Explosives detection Systems
SNIFFEX®PLUS
HEDD1®

unival security

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unival ecoprotect



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