
FORTIS
PROTECTION SYSTEMS
www.fortis-protection.com

GROUP STRUCTURE

Companies in the group

01 **FORTIS Protection Systems Group Ltd.**
Ljubljana, Slovenia

02 **FORTIS Ballistic Protection Ltd.**
Ljubljana, Slovenia

03 **FORTIS Protection Systems U.S.A. Ltd.**
United States

04 **FORTIS Protection Systems Dubai Ltd.**
United Arab Emirates

05 **FORTIS Protection Systems India Ltd.**
India

06 **FORTIS Protection Systems Skopje Ltd.**
North Macedonia

07 **FORTIS Protection Systems Slovakia Ltd.**
Slovakia

08 **FORTIS Protection Systems Sp. z o.o.**
Warsaw, Poland

GROUP NETWORK

Producers & Research

01 **Steklarna Moste d.o.o.**
Ljubljana, Slovenia

02 **Pro-vizija d.o.o.**
Ljubljana, Slovenia

03 **VENTURIA d.o.o.**
Bohinjska Bistrica, Slovenia

04 **Shadow Nautica d.o.o.**
Šibenik, Croatia

05 **STRiX eMotors d.o.o.**
Maribor, Slovenia

06 **TIMTEC d.o.o.**
Vipava, Slovenia

07 **Institute RINK**
Ljubljana, Slovenia

08 **Simcon svetovanje Ltd.**
Ljubljana, Slovenia

MARKET PRESENCE

EUROPE

Slovenia, Croatia, Serbia, North Macedonia, Slovakia, Poland and Ukraine

U.S.A.

INDIA

U.A.E.

FORTIS BUSINESS GROUP PARTNERS



OUR PORTFOLIO

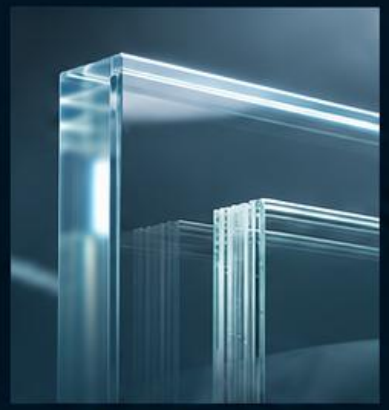
PRODUCTS WE PROVIDE



MILITARY GRADE PROTECTIVE EQUIPMENT



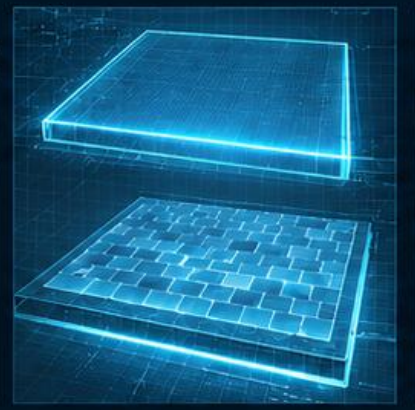
BALLISTIC PLATES FOR BULLETPROOF VESTS



BALLISTIC GLASS PROTECTION



BALLISTIC FOIL PROTECTION



NON-TRANSPARENT BALLISTIC PROTECTION



UNMANNED AERIAL SYSTEMS



SHADOW 47



BALLISTICALLY PROTECTED TERRAIN VEHICLES



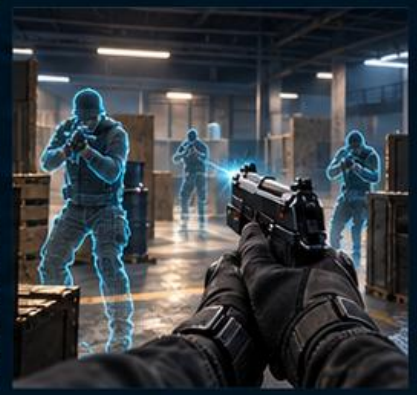
BALLISTICALLY PROTECTED LUXURY VEHICLES



MILITARY GRADE HABITABLE CONTAINERS



STRIX MILITARY ELECTRIC MOTORCYCLE



XR SHOOTING RANGE

USA / ENG

Advanced Ballistic Protection for Governmental Facilities and Critical Infrastructure



FORTIS
PROTECTION SYSTEMS

VEHICLE & BUILDING PROTECTION

USE CASES

- Government buildings
- Embassies and diplomatic missions
- Military camps and bases
- Law enforcement faciities
- Schools and universities
- Banks and financial institutions
- Courts and judicial buildings
- Critical infrastructure
  (power plants, water facilities, data centers)
- Safe houses and secure residences
- Armored vehicles
  (VIP, government, high-risk transport)



BALLISTIC PROTECTION OF GLASS

FOR BALLISTIC-RATED GLAZING APPLICATIONS, FTS UTILIZES A MULTI-MATERIAL COMPOSITE SYSTEM ENGINEERED TO DELIVER CERTIFIED BALLISTIC RESISTANCE WHILE MAINTAINING OPTICAL CLARITY AND STRUCTURAL INTEGRITY.

THE PROTECTION SOLUTION IS BASED ON A STRATEGIC COMBINATION OF:

- SELECTED PET (POLYETHYLENE TEREPHTHALATE) LAYERS
- POLYCARBONATE IMPACT-RESISTANT SHEETS
- ACRYLIC GLASS (PMMA) COMPONENTS
- LAMINATED SAFETY GLASS

PRODUCT	BALLISTIC RATING		COMPOSITE:	THICKNESS	WEIGHT
BTP - 1		BR-2 - 9 mm Luger	Laminated Glass + Polycarbonate + PET	11 mm	27,5 kg
BTP - 2		BR-3 - .357 Magnum	Laminated Glass + PET	13 mm	32,5 kg
BTP - 3		BR-4 - .44 Magnum	Laminated Glass + PET	15 mm	37,5 kg
BTP - L - 4		BR-3 (Lightweight)	2 Polymers + PET (*Portable self-adhesive solution)	14 mm	16,7 kg
BTP - L - 4		BR-4 (Lightweight)	2 Polymers + PET (*Portable self-adhesive solution)	16 mm	19 kg
BTP - 5		BR-5 - 7,62 x 39 mm, 5,56 x 45 mm	Laminated Glass + Polycarbonate + PET	25 mm	49,7 kg
BTP - 6		BR-6 - 7,62 x 51 mm	Laminated Glass + PET	29 mm	55 kg
BTP - 7		BR-7 - 7,62 x 54 mmR API	Laminated Glass + PET	37mm	77 kg
OTHER BR LEVELS	UPON REQUEST				

*weight / m^2

BY COMBINING THESE MATERIALS INTO A LAYERED COMPOSITE STRUCTURE, THE SYSTEM ABSORBS AND DISPERSES PROJECTILE ENERGY, REDUCING PENETRATION AND PREVENTING FRAGMENTATION.IT DELIVERS TAILORED BALLISTIC PROTECTION LEVELS WHILE MAINTAINING TRANSPARENCY AND ARCHITECTURAL COMPATIBILITY.

BALLISTIC PROTECTION OF NON-TRANSPARENT MATERIALS

FOR BALLISTIC-RATED GLAZING APPLICATIONS, FTS UTILIZES A MULTI-MATERIAL COMPOSITE SYSTEM ENGINEERED TO DELIVER CERTIFIED BALLISTIC RESISTANCE WHILE MAINTAINING OPTICAL CLARITY AND STRUCTURAL INTEGRITY.

THE PROTECTION SOLUTION IS BASED ON A STRATEGIC COMBINATION OF:

- SELECTED PET (POLYETHYLENE TEREPHTHALATE) LAYERS
- POLYCARBONATE IMPACT-RESISTANT SHEETS
- ACRYLIC GLASS (PMMA) COMPONENTS
- LAMINATED SAFETY GLASS

PRODUCT	BALLISTIC RATING		COMPOSITE:	THICKNESS	WEIGHT
BNTP - 1		FB1 - FB4 - All Handguns	UHMWPE + PET	8 mm	7,44 kg
BNTP - 2		FB5 - 7,62 x 39 mm FMJ, 5,56 x 45 mm, .223 remington	UHMWPE + PET	16 mm	14,8 kg
BNTP - 3		FB6 - STANAG lvl 1, VPAM 6	UHMWPE +Ceramics (SiC) + PET	16 mm	33 kg
BNTP - 4		FB7 - STANAG lvl 2, VPAM 7	UHMWPE +Ceramics (SiC) + PET	18 mm	34,9 kg
BNTP - 5		FB7 - STANAG lvl 2, VPAM 7	Selected type Ballistic Steel + UHMWPE	21 mm	55,4 kg
OTHER FB LEVELS	UPON REQUEST (NATO STANAG lvl 3, VPAM 8, fb8 etc.				

*weight / m^2

BY COMBINING THESE MATERIALS INTO A LAYERED COMPOSITE STRUCTURE, THE SYSTEM ABSORBS AND DISPERSES PROJECTILE ENERGY, REDUCING PENETRATION AND PREVENTING FRAGMENTATION.IT DELIVERS TAILORED BALLISTIC PROTECTION LEVELS WHILE MAINTAINING TRANSPARENCY AND ARCHITECTURAL COMPATIBILITY.

USA / ENG

INSTANT BALLISTIC PROTECTION AGAINST BOMB-BLAST, SHRAPNELS & DRONE PENETRATION



FORTIS
PROTECTION SYSTEMS

ANTI-DRONE PROTECTION SYSTEMS

INSTANT PROTECTION

AGAINST BOMB-BLAST, SHRAPNELS & DRONE PENETRATION INTO A BUILDING

DRONE EXPLOSION INSIDE OR OUTSIDE OF A BUILDING MAKES COMPLETELY DIFFERENT DAMAGE IMPACT

FORTIS PROTECTION SYSTEMS GROUP OFFERS THREE INSTANT SOLUTIONS OF GLASS PROTECTION AT BUILDINGS:

- **INSTANT PROTECTION OF WINDOWS WITH FORTIS TRANSPARENT LAMINATE ON THE GLASS (FORTIS WIN-1):**

  BoPET Laminate 2 x 24 Mil (FTL 600) on external and 2 x 24 Mil (FTL 600) on internal side of the window.

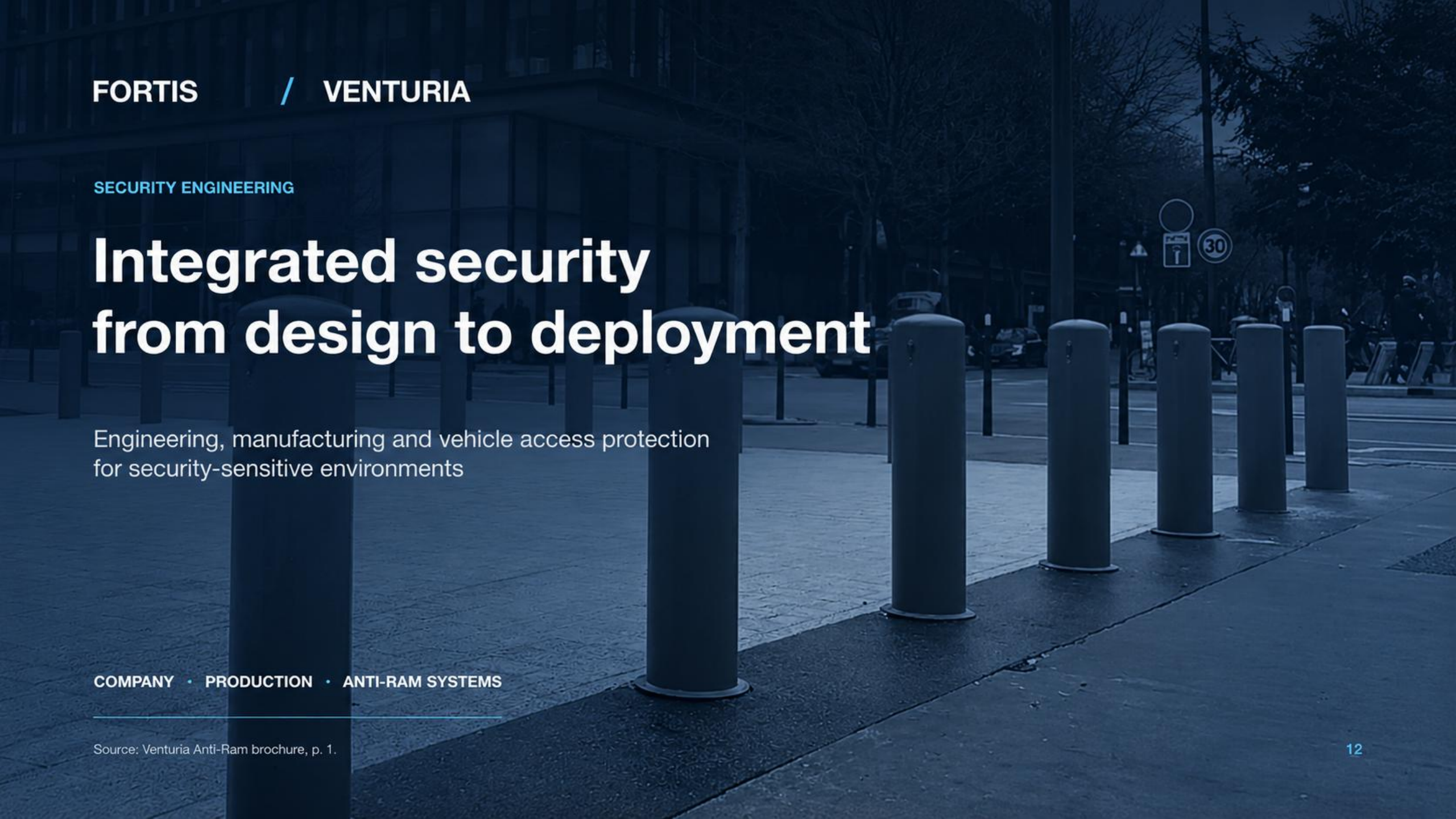
- **SOLUTION BY DESIGN: FORTIS ROBUST PROTECTION OF WINDOWS WITH EXTERNAL PANELS & BoPET LAMINATE ON INTERNAL SIDE (FORTIS WIN-2):**

  Combination of materials PMMA, Polycarbonate and BoPET; external panel covers also the frame (ALU, plastic or wooden) of the window as another weak point of protection.

- **SOLUTION BY DESIGN: FORTIS ROBUST PROTECTION OF WINDOWS WITH EXTERNAL & INTERNAL BALLISTIC PANELS (FORTIS WIN-3):**

  Combination of materials PMMA, Polycarbonate and BoPET; external panel covers also the frame (ALU, plastic or wooden) of the window as another weak point of protection while internal side of the window is covered by another robust ballistic panel made of special impact resistant Polycarbonate and a combination of BoPET laminate.





FORTIS / VENTURIA

SECURITY ENGINEERING

Integrated security from design to deployment

Engineering, manufacturing and vehicle access protection for security-sensitive environments

COMPANY · PRODUCTION · ANTI-RAM SYSTEMS

Source: Venturia Anti-Ram brochure, p. 1.

Security engineering under one roof

Concept, manufacture, documentation and installation

- **Security-critical environments**
  Operational, regulatory and logistical requirements shape the solution from the start.

- **Qualified project delivery**
  Personnel clearance, permit compliance, security protocols and material traceability support restricted projects.

- **DOS and DOD project experience**
  Venturia states proven experience supporting government and defense programmes.



END-TO-END

From concept to completion

Source: Venturia Company brochure, p. 1.

Government and institutional references

Completed projects supported by Venturia installation teams





10+ embassies completed

The brochure reports on-time completion without delays.

Portfolio

Safe rooms • Ballistic subframes • Reinforced construction assemblies

Source: Venturia Company brochure, p. 2.

Global delivery with controlled documentation

Traceability and approvals from design through installation

- **Integrated logistics**
  The delivery network supports worldwide installation and project deployment.

- **Submittal and approval process**
  Materials and components move through documented reviews to support compliance and transparency.

- **Defense-sector manufacturing**
  The brochure cites high-precision components and custom assemblies across a wide range of materials.

DESIGN

DEPLOYMENT

INSTALLATION

Source: Venturia Company brochure, p. 2.

Fixed and automatic bollards

Permanent protection and controlled access





FIXED + REMOVABLE

Deep or shallow foundations
Custom covers and finishes
Enhanced galvanization for corrosion protection

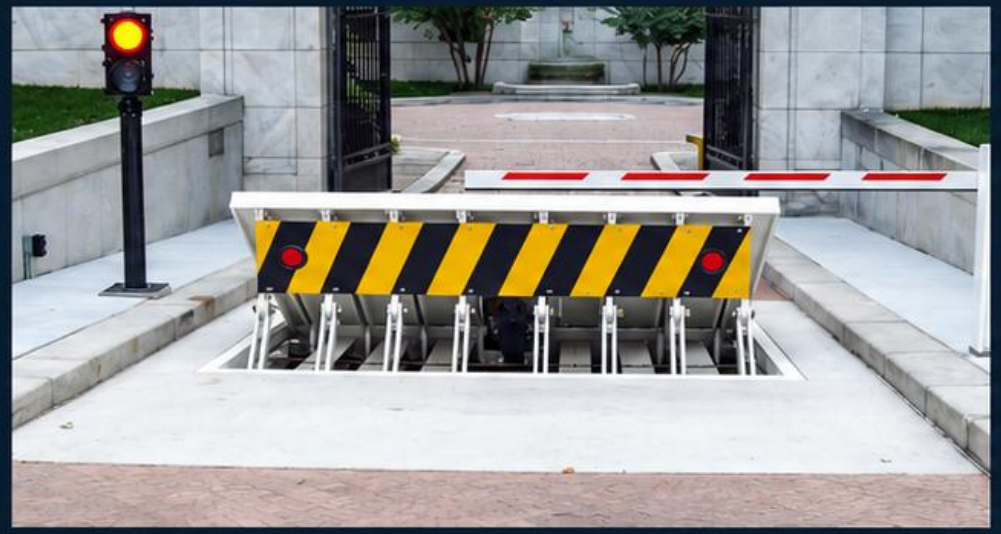
AUTOMATIC

Hydraulic or electro-mechanical operation
LED visibility options
Designed for maintenance and long service life

Source: Venturia Anti-Ram brochure, p. 1.

Wedge barriers and sliding gates

Certified performance with access-control integration



WEDGE BARRIERS

Fast deployment, secure locking and shallow installation options



SLIDING GATES + DROP ARMS

Access-control and surveillance compatibility, safety sensors, obstacle detection and soft start/stop control

VERIFIED CRASH PERFORMANCE

ASTM F2656

IWA 14-1

ISO 22343

20+ projects

Dynamic crash simulation supports energy absorption, structure and foundation design.

Source: Venturia Anti-Ram brochure, p. 2.

USA / ENG

Advanced Ballistic Protection for APCs, LAVs and other battle vehicles



FORTIS
PROTECTION SYSTEMS

ARMORED VEHICLE BALLISTIC GLASS PROTECTION

Ballistic Protection Level:

NATO 4569 STANAG Level 2

Our ballistic glass system is engineered and verified in accordance with NATO AEP-55 (STANAG 4569) – Protection Level 2. This certification defines ballistic resistance requirements for armored vehicles operating in hostile environments.
Compliance confirms the glass system meets defined resistance standards against specified ballistic threats.



Ballistic Protection Level:

NATO 4569 STANAG Level 3

Our ballistic glass system is engineered and verified in accordance with NATO AEP-55 (STANAG 4569) – Protection Level 3. This certification defines ballistic resistance requirements for armored vehicles operating in hostile environments.
Compliance confirms the glass system meets defined resistance standards against specified ballistic threats.



FORTIS
PROTECTION SYSTEMS

USA / ENG

ADVANCED ANTI-UAV DEFENCE SOLUTIONS



FORTIS
PROTECTION SYSTEMS

AIR DEFENSE SOLUTIONS

2026

DARKSTAR

Next-generation Drone Interceptor

Use & Benefits

- Areal air defence
- High-speed interception
- Operational efficiency

Technical specifications:

SIZE
APPROX. 50 x 30cm

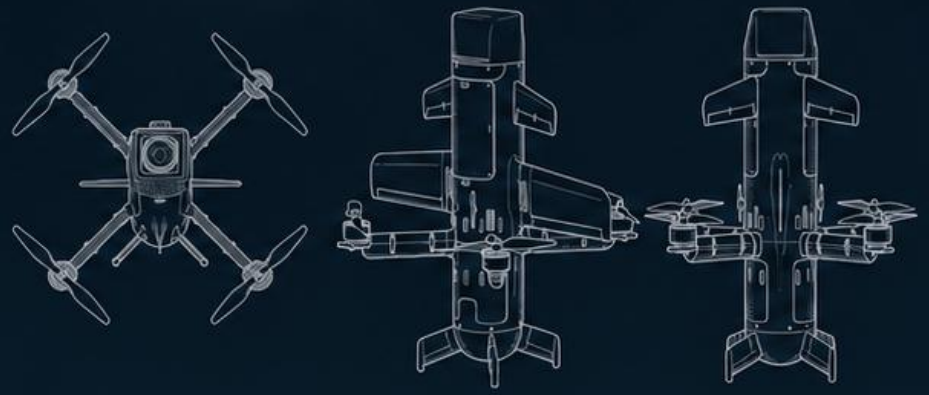
WEIGHT
6 kg
INCLUDING PAYLOAD

RANGE
20-50 km

MAX. SPEED
350 km/h

PAYLOAD CAPACITY
UP TO 500 g





DEFENSIVE POSSIBILITIES

OPTIONS DEPEND ON THREAT TYPE, TERRAIN, AREA PERIMETER













WE ARE ABLE TO CONCEPTUALIZE AND DEVELOP A CUSTOM SOLUTION
EXACTLY TAILORED TO THE NEEDS OF THE CLIENT

USA / ENG

BALISTIC PROTECTION FOR MILITARY GRADE E-MOTORCYCLE STRiX



BALISTICALLY PROTECTED BY:
FORTIS
PROTECTION SYSTEMS

MILITARY GRADE ELECTRIC MOTORCYCLE STRiX

STRiX
E-VOLUTION

ADVANTAGES

STRiX hard-enduro electric motorcycles are designed and developed for special applications, surpassing current combustion or any other electric motorcycles in every aspect.

- **EXTREME POWER**
- **FAST EXCHANGABLE BATTERY**
- **SILENT, ALMOST NO NOISE.**
- **MINIMAL THERMAL FOOTPRINT**
- **WATER-PROOF COMPONENTS**
- **FULLY CUSTOMIZIBLE**
- **POSSIBILITY OF STREET LEGAL VARIANT**









STRIX E-VOLUTION

DISTINGUISHING FEATURES

BALLISTICALLY PROTECTED BY: FORTIS PROTECTION SYSTEMS



NATO STANDARTS

Designed for and approved by professionals with NATO Stock Number: 2340-42- 000-3889.



HOMOGENIC ACCELERATION

enables better control during the acceleration and smooth drivie



LOW MAINTENANCE

80% less maintenance



HIGH RPMs

Max 7000 rpm enables lower gear shift resulting in a more direct and reliable bike response.



NATO STANDARTS

Easily and fast exchangeable battery with 6,2 kWh (1.500 cycles).



TRAIL READY

Easy to ride: no clutch, no gears. just focus on the trail!



EUROPEAN QUALITY

Made in Slovenia



MOBILE APP

Easy tunability or special missions (walk mode, normal, eco, sport mode, reverse)


MADE FOR THE PEOPLE, WHO PROTECT THE HOMELAND IN THE U.S.A.
SHADOW
NAUTICS
018
SHADOW 47
NATO STANDARD MULTIPURPOSE VESSEL
NATO APPROVED
FORTIS
PROTECTION SYSTEMS

USE CASES

- Coast Guard Surveillance
- Customs Patrolling
- Collection of Maritime Data
- Rapid Troop Deployment
- Communication Platform
- Direct Action Missions
- Oil Platform Support
- Diving Support
- Gunfire Support
- Search and Rescue
- Air Drone Carrier
- Anti-Drone Weapons



WHY THE SHADOW 47

EASILY PORTABLE

Durable industry grade lift eyes for easy sea to sea and sea to land tranportation

FULLY CONFIGURABLE

Two configurations are available: a cabin version and an open version. Both feature fully customizable cockpit and interior layouts, with configurable armament options and engine power.

RELIABILITY AND ADAPTABILITY

The Shadow 47 is designed for naval operations at sea as well as in extremely shallow waters, with a draft of just 0,35 m. It can be configured for medical evacuation and emergency response missions, or adapted to support specialized operational tasks.

SERVICE - PROVEN

From coast guard to naval service, the Shadow 47 has proven its value in operational use across multiple countries in Europe, Africa, and the Americas. Its adoption spans a wide range of agencies, specialized units, and public institutions.



FORTIS
PROTECTION SYSTEMS

EUROSATORY • PARIS

WE PROVIDE

UAV PROGRAM

STRATEGIC TECHNOLOGICAL ADVANTAGE

Direct development and manufacturing of UAV solutions tailored to mission requirements.



OUR UAV CATEGORIES

- C-UAS Interceptor UAV
- High-Speed Interceptor – up to 400 km/h
- Long-Range Fixed-Wing UAV
- ISR / Reconnaissance UAV
- Loitering UAS

More information is provided personally, face to face, and according to client requirements.

WHAT WE OFFER

- Direct in-house development
- In-house manufacturing
- Mission-tailored solutions according to client needs

Dr. Rajko Kozmelj
Director

FORTIS Ballistic Protection d.o.o.
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rajko@fortis-protection.com

WE ARE A DIRECT DEVELOPER AND MANUFACTURER OF UAV SOLUTIONS.

FORTIS
PROTECTION SYSTEMS

UAV PROGRAM

ADVANCED UAV SOLUTIONS

DEVELOPMENT. MANUFACTURING. MISSION READY.



FORTIS Protection Systems provides a comprehensive UAV program, covering design, development and production of advanced unmanned aerial systems for modern defense and security operations.

MORE INFORMATION FACE TO FACE
We engage personally with each client to understand specific requirements and deliver customized solutions.

OUR UAV CATEGORIES

ANTI-DRONE INTERCEPTORS
High-speed UAVs designed to detect, intercept and neutralize hostile drones.

HIGH-SPEED INTERCEPTORS
Interceptors with speeds up to 400 km/h for rapid response and high-value target protection.

LONG-RANGE UAVS
Fixed-wing UAVs with extended range for deep strike, surveillance or strategic missions.

RECONNAISSANCE UAVS
Intelligence, Surveillance and Reconnaissance (ISR) platforms for real-time data and situational awareness.

LOITERING MUNITIONS
Kamikaze / loitering UAVs for precision strike missions with minimal collateral risk.

TACTICAL MULTIROTOR UAVS
Highly maneuverable UAVs for short-range missions, surveillance and support.

VTOL FIXED-WING UAVS
Vertical take-off and landing with long-endurance capabilities for versatile operations.

TARGET UAVS
Cost-effective UAVs used as aerial targets for training and system testing.

RELAY & COMMUNICATION UAVS
Extend communication range and ensure connectivity in contested environments.

CARGO & LOGISTICS UAVS
Reliable UAVs for cargo transport, resupply and logistical support in challenging conditions.

WE ARE DEVELOPER & MANUFACTURER
Full-cycle in-house development and production ensure quality, reliability and flexibility tailored to mission needs.

MADE TO PROTECT.
BUILT TO PERFORM.

Dr. Rajko Kozmelj, Director
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FORTIS
PROTECTION SYSTEMS

PROTECTION THROUGH INNOVATION.

A Strategic Response: The UK's Radio Frequency Directed Energy Weapon (RF-DEW) – with Slovenian engineering...

To counter this threat, the United Kingdom has developed and validated a technologically advanced solution: the 'RapidDestroyer' RF-DEW program.

Thisis a strategic national initiative delivered by 'Team Hersa'-a collaboration between Defence Equipment & Support (DE&S) and the Defence Science and Technology Laboratory (Dstl).

Developed by a leading UK-based industry consortium, with the effector integration being developed and manufactured by the Slovenian engineering team of TIMTEC.



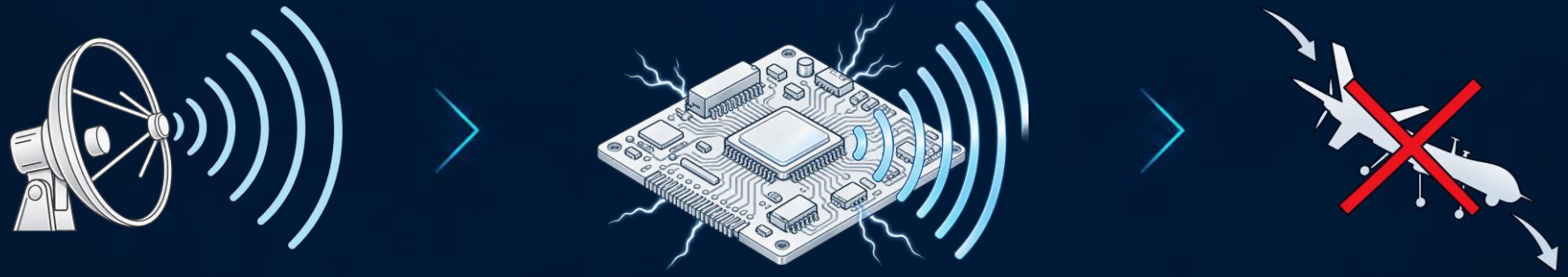
THALES UK | QINETIQ | TELEDYNE e2v | HORIBA Mira | DE&S | [dstl]

FORTIS PROTECTION SYSTEMS

STRATEGIC TECHNOLOGY BRIEFING

The Science of a Definitive 'Hard Kill'

The RF–DEW is a High-Power Microwave (HPM) weapon that emits a concentrated beam of high-intensity radio frequency waves. Our solution combines soft and hard kill methods using a multi-band jammer in combination with the RF–DEW effector.



1. Emit
2. Overwhelm
3. Neutralize

RF– DEW (Hard Kill)

Physically disrupts or destroys electronics.

Immediate and permanent neutralization of the threat.

Jamming (Soft Kill)

Severs communication or navigation links.

Effects can be temporary or reversible.

UK trials – RAPID DESTROYER Integrated By Thales UK, produced by TIMTEC, protected by FORTIS





FORTIS PROTECTIVE SHIELDS

Mission-Specific Protection for Tactical & Public Order Professionals

Ballistic Performance & Advanced Construction

Modular Ballistic Protection Levels

- **NIJ IIIA / VPAM 2–3:** Defeats handgun threats (.44 Mag, 9×19)
- **NIJ III / VPAM 5–6:** Defeats rifle threats (7.62×39, 5.56×45)
- **NIJ IV / VPAM 7 (Optional):** Defeats armor-piercing rifle threats

Material & Construction

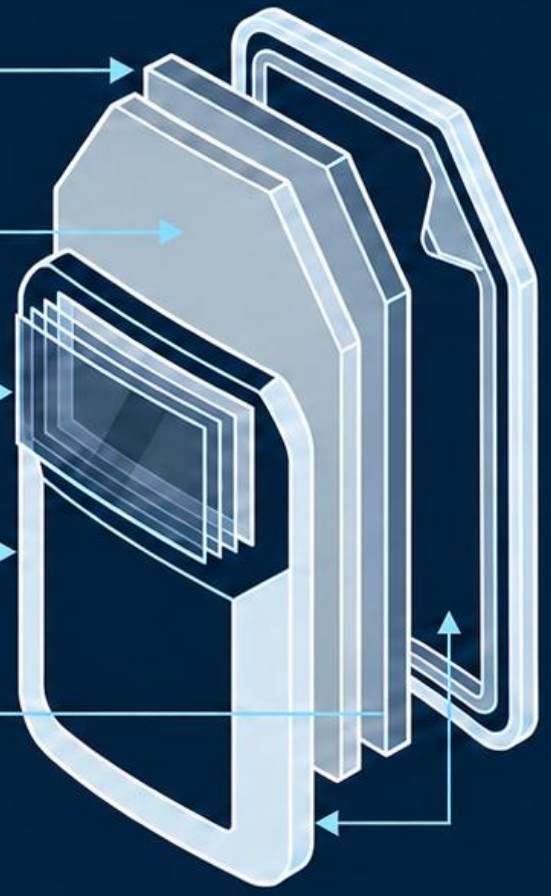
Strike Face: Ceramic (SiC / B_4C) for rifle threat defeat

Backer: UHMWPE laminates and/or aramid composites

Viewport: Multi-layer ballistic glass + polycarbonate

Outer Shell: Impact-resistant composite or rubberized finish

Spall Mitigation: Integrated anti-spall coatings



BALLISTIC + BLAST

FORTIS CONTAINER

Portable protected infrastructure for personnel, command, medical and sensitive-storage missions.

OPTIONAL PASSIVE A-FRAME ROOF CAGE



RAPID PROTECTED CAPACITY

Designed for deployment where risk is highest

USERS

Military, police, border guards, civil protection and deployed humanitarian units.

PROTECTION

Ballistic protection and blast mitigation for people and sensitive equipment.

MISSIONS

Barracks, headquarters, medical shelter, ammunition or high-value storage.

MOBILITY

Lightweight, modular 20 ft or 40 ft solutions that can move between locations.



LAYERED PROTECTION

One modular architecture. Multiple threat paths.

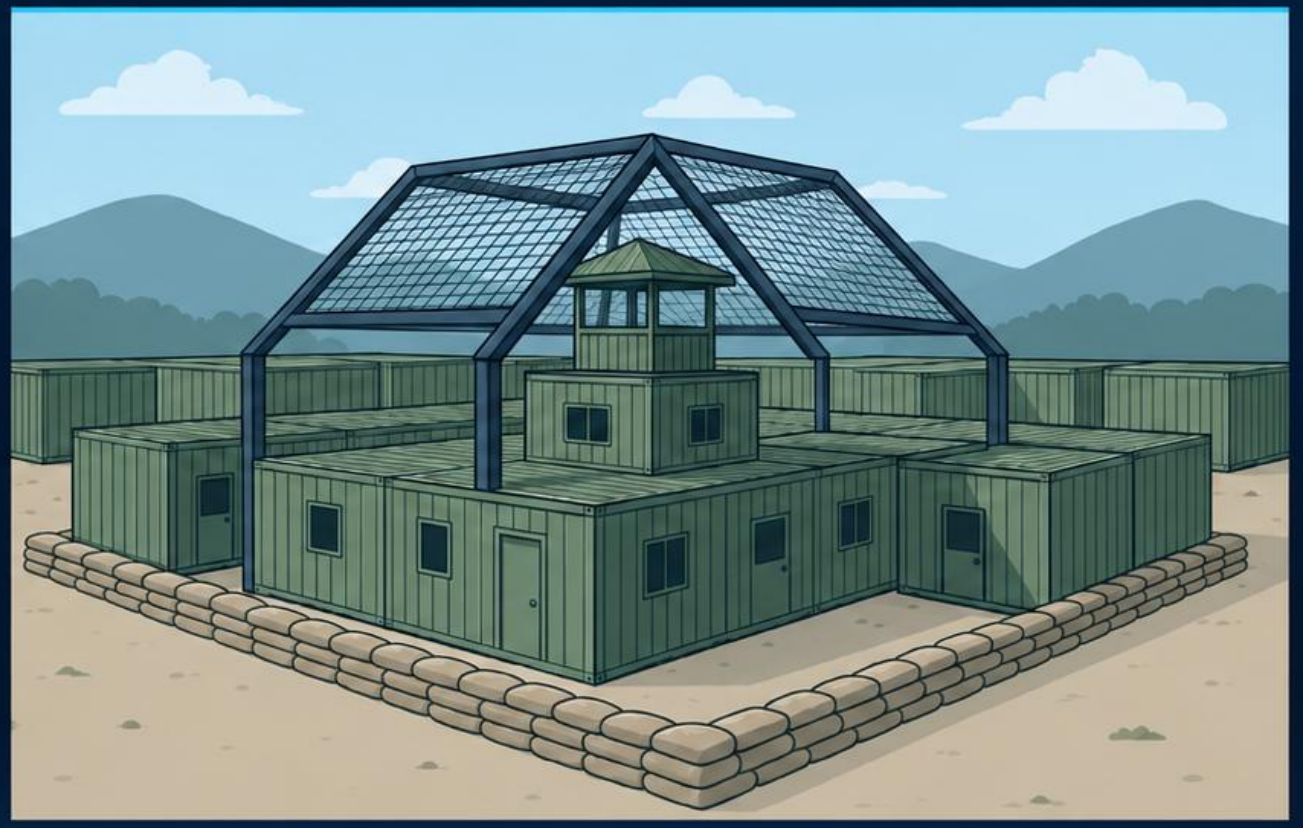
The protection package can be configured around the container walls, ceiling, openings and roof.

01 **Ballistic shell**
Wall and ceiling inserts resist bullets and fragments.

02 **Protected openings**
Ballistic glazing, doors and reinforced frames close vulnerable points.

03 **Standoff roof**
A-frame geometry reduces direct blast coupling into the protected ceiling.

04 **Fragment control**
Mesh and a sacrificial catcher plate intercept debris and dissipate effects.



FORTIS XR SHOOTING RANGE

Train in the Real World. Prepare for the Unexpected.



Concept illustration

REAL ENVIRONMENTS. VIRTUAL SCENARIOS.

Virtual characters and scenarios integrated into real training spaces.

REALISTIC WEAPON HANDLING

Simulation weapons with CO_2 recoil and realistic controls.

WIRELESS & OFFLINE CAPABILITY

Flexible indoor setup, tailored to operational requirements.

MEASURABLE PERFORMANCE

Live instructor monitoring, accuracy analysis and individual reports.

Live demonstrations available in Ljubljana by appointment.

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  matjaz@fortis-protection.com

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