
# NETFORCE-1™

*Passive. Always-On. Unjammable.*

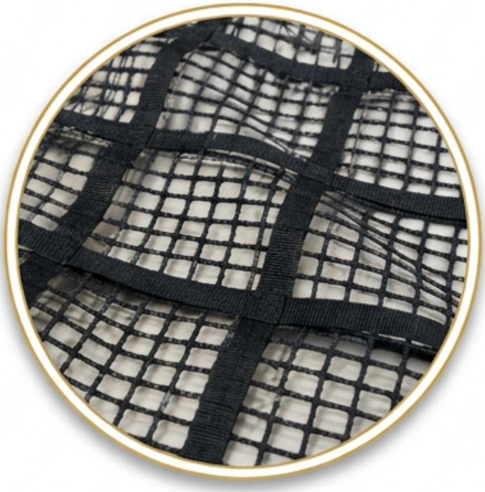
ANTI-DRONE NETTING SYSTEM


**PRODUCT CATALOGUE**

Doc. Ref: TSS-NF1-CAT-001

## KEY FEATURES

- Multi-layer interception system using high-resistance, fire-resistant HTPP, Polyester mesh
- Engineered to address diverse aerial threat kinetic profiles across Group 1-3 UAS categories
- Contains debris and fragmentation upon impact — minimising collateral damage to protected assets
- Sacrificial layers force payload neutralisation at safe standoff distance (LMANS configuration)
- Mesh cell dimensions and energy-absorption characteristics configurable to specific threat classifications and engagement envelopes
- Lightweight, modular design for permanent fixed or expedient temporary deployment
- Simple integration with existing structures, overhead frames, and perimeter infrastructure
- Low-visibility, weather-resistant materials for extended outdoor service life



## TECHNICAL NOTES

- Flame-resistant, non-conductive, UV-stable, and all-weather-resistant materials throughout all variants
- Proprietary connection and assembly method for rapid installation, secure performance, and quick-change panel replacement
- Sacrificial outer layers manage fragmentation, limit debris dispersion, and attenuate blast overpressure at point of intercept
- LMANS multi-row staggered architecture maintains designed row separation to maximise standoff distance
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- Integrates with passive detection, electronic warfare, and kinetic C-UAS layers in a layered system-of-systems architecture
- Proprietary field-repair system — individual panels replaced without full system removal
- Suitable for vehicle-mounted, fixed-structure, and ground-mounted profiles; structural load & wind calculations provided per project

## CONFIGURATION MATRIX

*Variant comparison across the NETFORCE-1 family.*

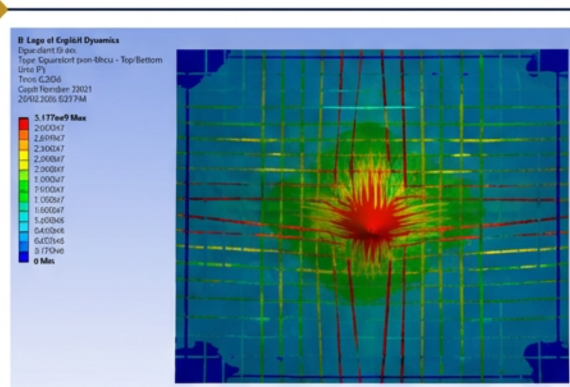
| PARAMETER | Group 1 – ADN | Group 1 & 2 – ADN | LMANS |
|---|---|---|---|
| **CONFIGURATION** | Single-layer net | Multi-layer net | Multi-layer two-plane netting, multi-row staggered, high-impact netting |
| **PRIMARY TARGET** | Small UAS (Group 1) | Group 2 UAS, FPV platforms, loitering munitions | Kinetic energy up to 250J with limited payloads |
| **APPLICATION** | Fixed perimeter enclosures & training environments | Inner-layer close-in defeat within system-of-systems architecture | Terminal C-UAS layer within layered defence architecture |
| **DEFEAT MECHANISM** | Passive capture; rotor/propeller entanglement; low collateral damage | Physical arrest with rotor/propeller entanglement | Energy dissipation; sacrificial layer fragmentation management; modular replacement |
| **DESIGN BASIS** | Physical arrest at low altitude and short range | Engagement at low altitude and short range | Multi-row standoff; payload management at safe distance |
| *Fully configurable — Length (X) and Height (Y) specified per project requirement* | | | |

**NOTE**

Blast and fragmentation standoff are addressed separately from mechanical arrest clearance.

**CRITICAL RISK:** Detonation could occur at impact. All arrest metrics and deflection calculations are strictly based on a kinetic non-detonation scenario. Maintain both clearances independently to ensure complete asset protection.

*Design Basis for high impacts: Calculations & FEM Simulation (Not live scenario)*



FEM SIMULATION — NET IMPACT STRESS DISTRIBUTION

## OPERATIONAL APPLICATIONS

*Deployment across military, infrastructure and tactical environments.*

AIRFIELDS & AIRCRAFT ASSET PROTECTION

MILITARY BASES & FORWARD OPERATING POSTS

CRITICAL INFRASTRUCTURE
(ENERGY, COMMS, INDUSTRIAL)

LOC & ROAD CORRIDOR PROTECTION

## GET IN TOUCH

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