

ANTI-DRONE FENCE

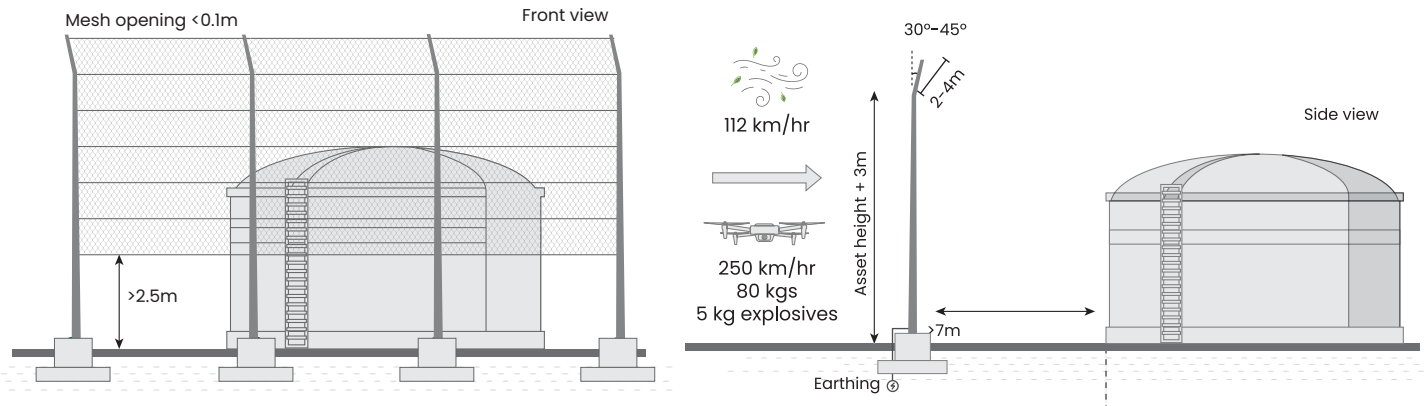
Compliant with SAIS Sec 21



Passive defence measures
against drone attacks

ANTI-DRONE FENCE

A-1 Fence Arabia's Anti-Drone Fence also called Anti-UAV (Unmanned Aerial Vehicles) Fence is a physical drone mitigation system specifically engineered to intercept hostile drones before they can reach and damage critical assets like tanks, transformers, substations, ammunition depots, fuel farms, and battery energy storage systems.



FEATURES



High Tensile Woven Mesh

Constructed with 1500 MPA tensile strength wires, capable of stopping drones weighing up to 80 kg, traveling at speeds of 250 km/h, and carrying explosive payloads.



Robust Pole Design

Poles extend 3 meters above the protected asset and 3 meters inward at an angle, featuring a polygonal tapering shape with a structurally calculated foundation for enhanced resilience.



Explosion Impact Mitigation

Installed 7 meters away from the asset to minimize the impact of potential explosions



Corrosion-Resistant Durability

All components are hot-dip galvanized, ensuring long-lasting performance even in corrosive environments.



Optimized Maintenance & Structural Safety

The mesh starts at 2.5 meters above ground for easy maintenance access, while external guide wires ensure any structural failure directs the fence outward, away from the asset.



TECHNICAL SPECIFICATIONS

FABRIC & WIRE ROPE SPECIFICATION

Fence Member	Dimension	Description
Fabric	2.70mm	Galvanized High Tensile Wire
	Tensile Strength	Minimum 1350 MPa
	100 x 70	Mesh Size
	Standard 6 Meter Width	In Split lengths of Suitable Size
	Zinc Coating	As per ASTM A 641 Class-3
Wire Rope	10 mm	Galvanized Wire Rope
	Zinc Coating	Heavy Galvanized

METAL SPECIFICATION

Line Post	Profile	Hot Dip Galvanized in accordance with ASTM A123
	Spacing	Every 12 meters
Crank	Profile	Hot Dip Galvanized in accordance with ASTM A123
	Spacing	Over the Pole 3 Mtrs Length @ 30 Degree

SYSTEM SPECIFICATION

System Height	Variants	10m 13m 15m 18m 20m 25m 30m 35m
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OFFERINGS FROM OUR COMPREHENSIVE PERIMETER SECURITY SOLUTIONS

PERIMETER PHYSICAL/ PASSIVE SECURITY SYSTEMS



Class 1 Fence
(APF + AVB)



Class 3 &
Class 4 CLF



Anti-Drone
Fence

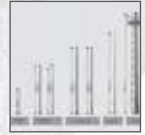
PERIMETER INTRUSION DETECTION SYSTEMS



Fence
Mounted IDS



Tilt Camera
Pole



Fixed Poles

ACCESS CONTROL SYSTEMS



Gates



Bulletproof
Window



Bulletproof
Door

ENTRANCE CONTROL SYSTEMS



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Crash Rated
Static
Bollards



Crash Rated
Hydraulic
Roadblocker

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