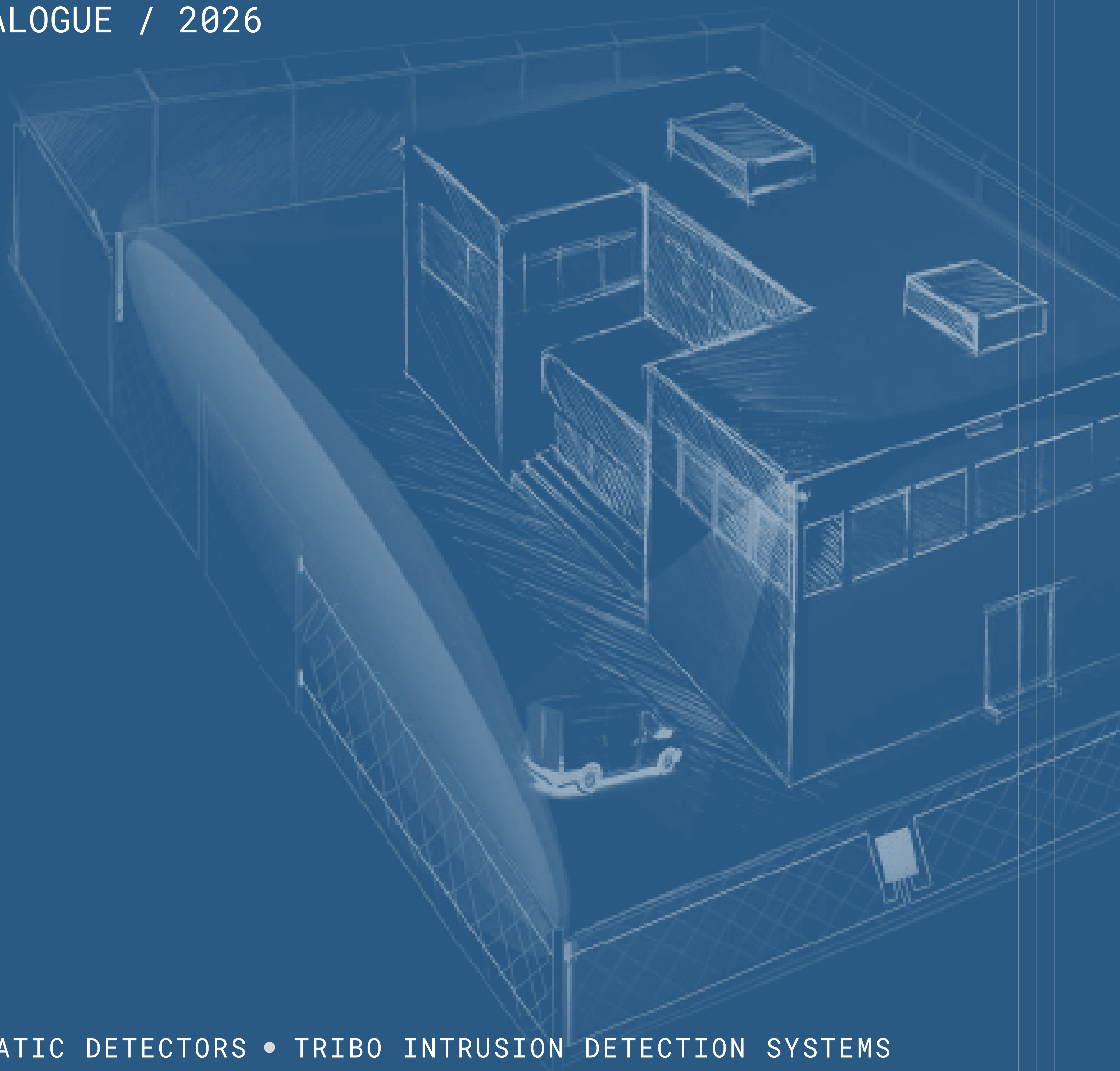




PERIMETER SECURITY SYSTEMS

MANUFACTURER OF PERIMETER PROTECTION SYSTEMS

PRODUCT CATALOGUE / 2026



MICROWAVE BISTATIC DETECTORS • TRIBO INTRUSION DETECTION SYSTEMS

ABOUT FORTEZA

We are **Forteza**, a Lithuania-based manufacturer and developer of modern high-performance outdoor perimeter security systems. Forteza JSC was founded in 2005 and has since engineered detection technology deployed across the globe. The company regularly participates in international exhibitions, having presented its products in more than 45 exhibitions in various countries (Lithuania, Poland, Germany, Spain, Romania, United Kingdom, France, and others).

Our technical solutions provide perimeter protection for everything — from private property or small offices to large estates and commercial objects. With fully-certified systems manufactured here in Europe, we have built a distributor network for our products around the world, driven by competitive price levels. Backed by years of experience developing innovative technical and specialized security solutions, we bring you the Microwave Bistatic Sensors of the FMC Series and the Forteza TRIBO-S Fence Protection System.

With an outstanding quality-price ratio and a high level of integration, these systems are precisely crafted to prevent intruder entry by triggering a proximity alarm and facilitating a swift response from security personnel. We use high-quality up-to-date electronic components, having a lifetime of up to 8 years. Each manufactured product is thoroughly inspected before it is put on the market.

CERTIFIED QUALITY



CE MARKING



EN 50131 — GRADE
2 / CLASS IV



ISO 9001



ISO 14001

PRODUCT LINES

Four product families engineered for every perimeter topology — from open terrain to fenced compounds to concealed underground zones. Every model is CE-marked and manufactured in Lithuania.



FMC 24 PRO

Microwave Bistatic Detector (24.15 GHz, 5–300 m). Built-in Bluetooth & USB, 8 independent channels.

[EXPLORE →](#)



FMC 10

Microwave Bistatic Detector (10.525 GHz, 5–200 m).

[EXPLORE →](#)



TRIBO-S

Fence-mounted triboelectric detection using SE-86 sensitive element.

[EXPLORE →](#)



TRIBO-U

Underground triboelectric detection. Invisible perimeter for sites without fences or with hidden-zone requirements.

[EXPLORE →](#)

FMC 24 PRO



FMC 24 PRO — MICROWAVE BISTATIC DETECTOR

Intelligent 24.15 GHz detection with Bluetooth configuration up to 50 m

KEY FEATURES

- Built-in Bluetooth (up to 50 m) for wireless setup
- 8 independent channels — nearby zones never interfere
- Built-in USB connection
- Adjustable from Android, iOS and Windows devices
- Sabotage-protected sensor output wiring
- Multi-threshold outdoor algorithm — high immunity to disturbances
- Detects a crawling intruder in a prepared sterile zone

TECHNICAL SPECIFICATIONS

MODELS	FMC 24 Pro (50m) · FMC 24 Pro (100m) · FMC 24 Pro (200m) · FMC 24 Pro (300m)
OPERATING FREQUENCY	24.15 GHz
DETECTION ZONE	5–50 m / 10–100 m / 10–200 m / 10–300 m
DETECTION SPEED	0.1–10 m/sec
POWER SUPPLY	9–30 V DC
COMPLIANCE	EN 50131, CE
OPERATING TEMPERATURE	–50 °C to +75 °C
IP RATING	IP-55
INTERFACES	RS-485 · USB · Bluetooth
OUTPUT	Relay contacts (alarm, tamper, fault)
CROSSTALK PROTECTION	8 independent channels
WARRANTY	3 years
CONFIGURATION	Windows/ Android/ iOS

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FMC 10



FMC 10 — MICROWAVE BISTATIC DETECTOR

Reliable 10.525 GHz detection available worldwide without licensing

KEY FEATURES

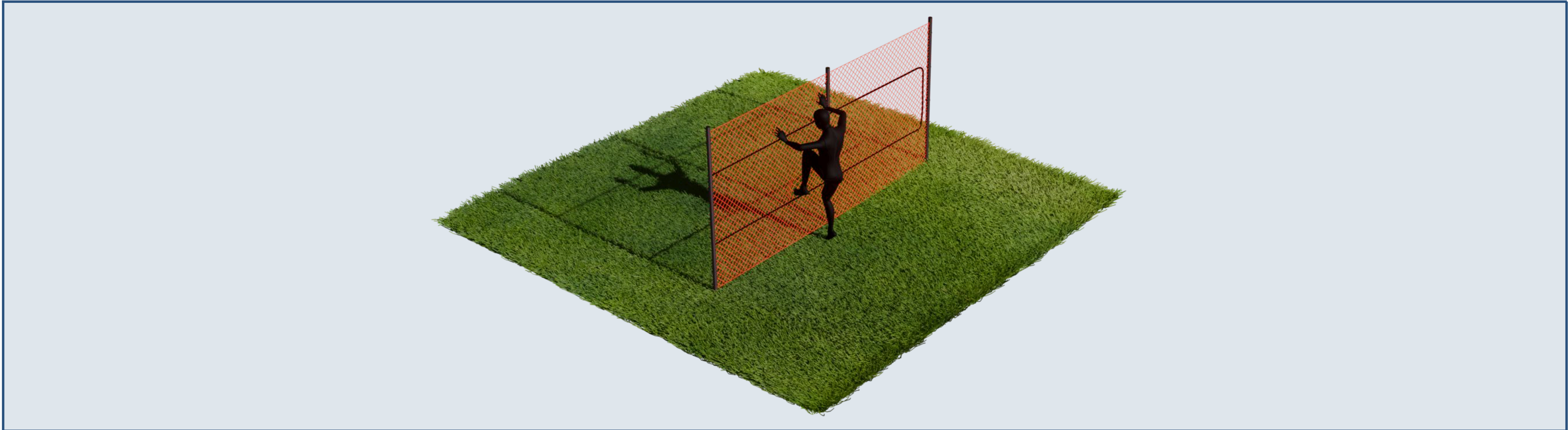
- Multi-threshold outdoor algorithm — high disturbance resistance
- 4 independent channels — no zone-to-zone interference
- Tool-free adjustment via built-in switches
- Adjustable from Android or Windows
- 10.525 GHz band
- Optionally wider detection zone
- Immune to 500 kV electromagnetic interference

TECHNICAL SPECIFICATIONS

MODELS	FMC 10 (50m) · FMC 10 (100m) · FMC 10 (200m)
OPERATING FREQUENCY	10.525 GHz
DETECTION ZONE	FMC 10 (50m): 5–50 m · FMC 10 (100m): 10–100 m · FMC 10 (200m): 10–200 m
DETECTION SPEED	0.3–10 m/sec
POWER SUPPLY	9–30 V DC
POWER CONSUMPTION	0.045 A
OPERATING TEMPERATURE	–50 °C to +80 °C
IP RATING	IP-55
INTERFACES	RS-485 · USB
OUTPUT	Relay contacts (alarm, tamper, fault)

MORE

TRIBO-S



TRIBO-S — TRIBOELECTRIC FENCE PROTECTION SYSTEM

Passive detection of climbing, cutting and destruction on any fence type

KEY FEATURES

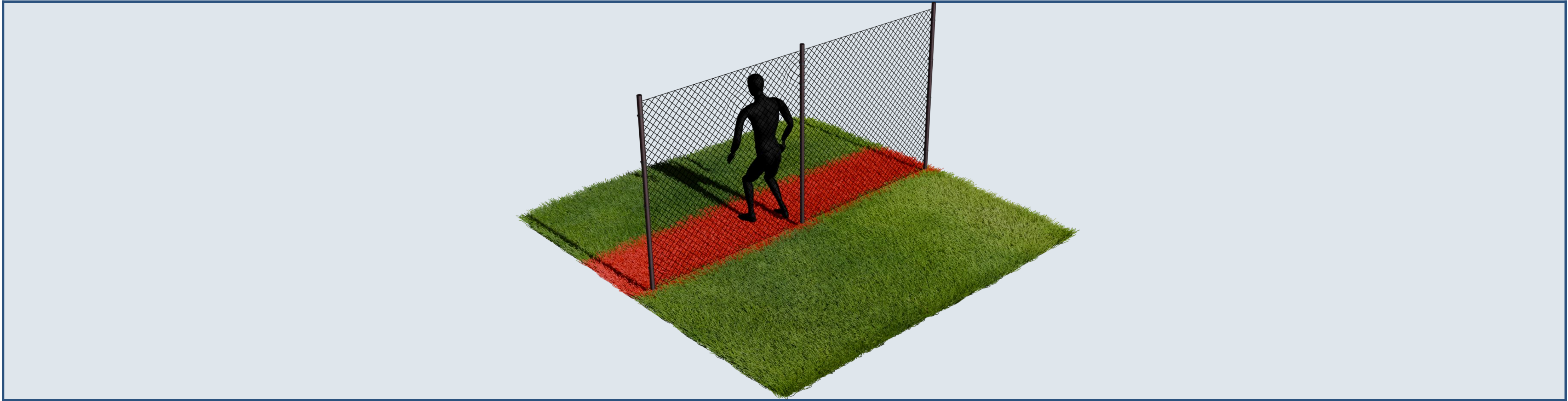
- Fully passive
- Protects every fence type: welded mesh, razor wire, wrought iron, NYLOFOR, barbed wire, corrugated metal, wooden, brick, concertina coil, concrete
- SE-86 sensitive element, CS connection sleeve, ES end sleeve, NON-SE non-sensitive cable
- High immunity to weather, vegetation and electromagnetic interference
- Alarm before the intruder enters the protected territory — fast security response
- Sites: industrial facilities, airports, military bases, power plants, private premises

TECHNICAL SPECIFICATIONS

SENSING ELEMENT	SE-86 universal
ZONES PER SPU	2 (TRIBO-S 2) / 4 (TRIBO-S 4)
MAXIMUM WIRE LENGTH PER ZONE	Up to 300 m
DETECTION PRINCIPLE	Triboelectric charge generated by mechanical impact
OPERATING TEMPERATURE	−55 °C to +70 °C
POWER SUPPLY	9–30 V DC
CONFIGURATION	Windows/Android/iOS
COMPLIANCE	CE · EN 50131

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TRIBO-U



TRIBO-U — UNDERGROUND PERIMETER DETECTION

Hidden, dependable protection for sites without fences

KEY FEATURES

- Detection cable buried in the ground — invisible perimeter
- Detects walking, running and jumping off fences into the protected zone
- Ideal for sites of irregular shape, sites with no fence, or hidden-zone requirements
- Universal SE-86 sensitive element with CS, ES-U, NON-SE cabling
- Continuous 24-hour operation
- No false alarms from outdoor weather

TECHNICAL SPECIFICATIONS

SENSING ELEMENT	SE-86 — universal
DETECTION PRINCIPLE	Triboelectric charge from ground deformation above buried cable
SENSOR CABLE BURIAL DEPTH	200–300 mm (typical, site-dependent)
MAXIMUM PROTECTED LENGTH PER SYSTEM	Up to 500 m
POWER SUPPLY	9–30 V DC
OPERATING TEMPERATURE	–40 °C to +70 °C
IP RATING (PROCESSORS)	IP-55
CONFIGURATION	Windows/Android/iOS
COMPLIANCE	CE · EN 50131

MORE

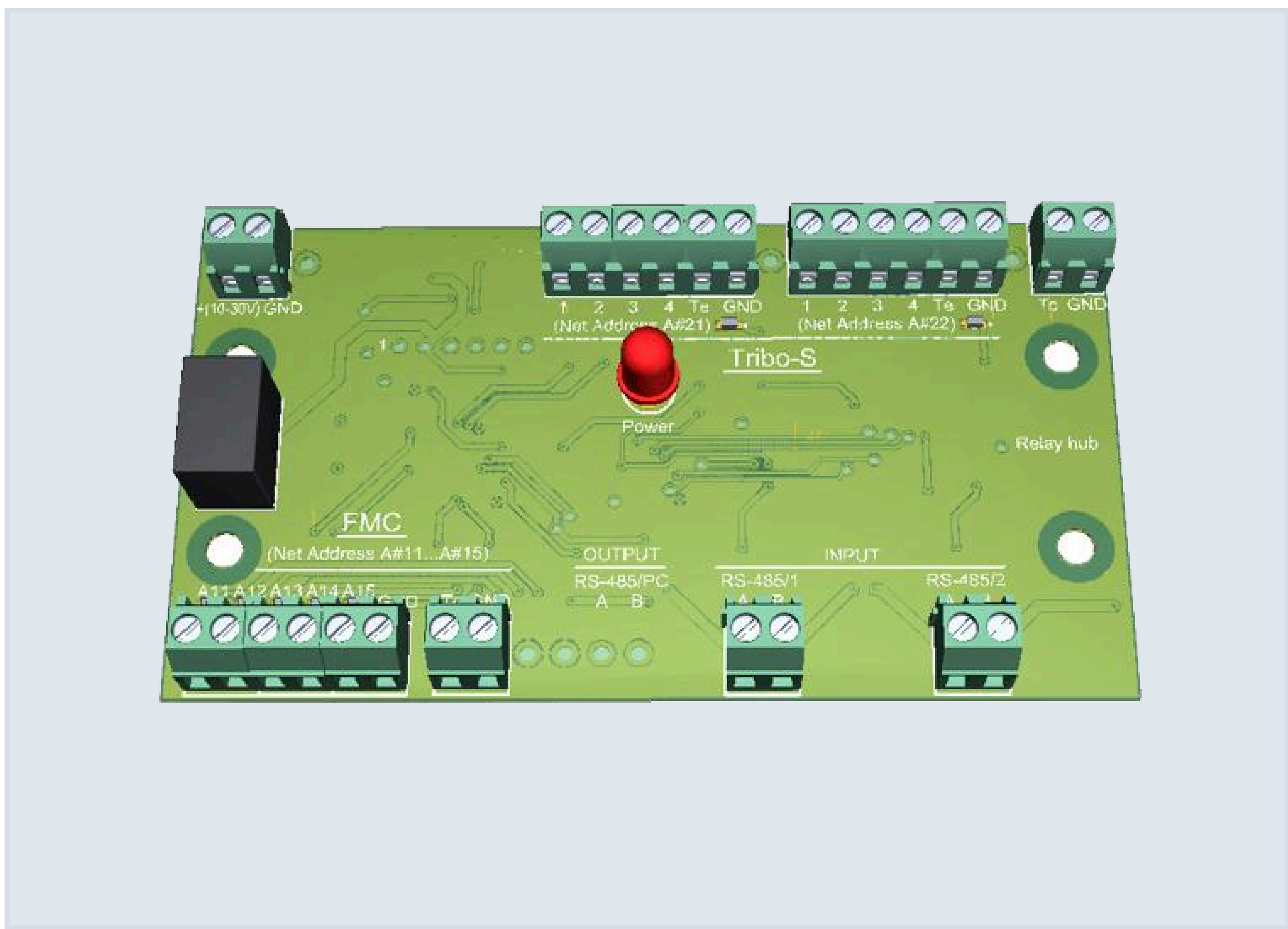
ADDITIONAL EQUIPMENT



RS-BL (LIGHT) — BLUETOOTH CONVERTER

The converter RS-BL (light) is intended for tuning the communication interfaces of the detector and control panel when adjusting and testing the detector’s operability. The converter is designed for interoperability with the FMC series detectors devices and Tribo-S fence protection system. The RS-BL (light) converts RS-485 signal into “Bluetooth” signal, assuring the connection with “Android” device wirelessly.

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RELAY HUB

The product is intended for the construction of complex security systems of sites with the organisation of centralised or autonomous protection. The product scans address detection devices (DDs) via the RS-485 interface and provides information about their status to separate outputs of the “open collector” type, which can be included in the signalling loops of control panels.

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SINCE 2005

PROTECT YOUR PERIMETER WITH FORTEZA

Contact us for a tailored security assessment, technical specifications, or distributor pricing.

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