

**SIGN4L**



**V-PROTECT**

# ON THE MOVE. UNDER FULL PROTECTION.

Convoy jammer for VIP protection.

Advanced communication jamming against all threats.









# NEUTRALISE RF THREATS



**Transporting VIPs and other high-risk targets has become increasingly challenging, with the growing sophistication and lethality of explosives detonated via radio frequency-enabled devices.**

V-PROTECT provides a leading-edge radio frequency (RF) communication jamming system that brings seamless and adaptable protection across a wide range of relevant frequency bands and technologies. Integrated into standard or armoured SUVs, the system is quickly deployable and easily operated to provide convoy protection, among many other applications.

Designed and built in the UAE, V-PROTECT is fully self-contained, with the option of external power source for “on-the-pause” operation and built-in shock absorbers to protect the system during high-speed or rough-terrain driving.





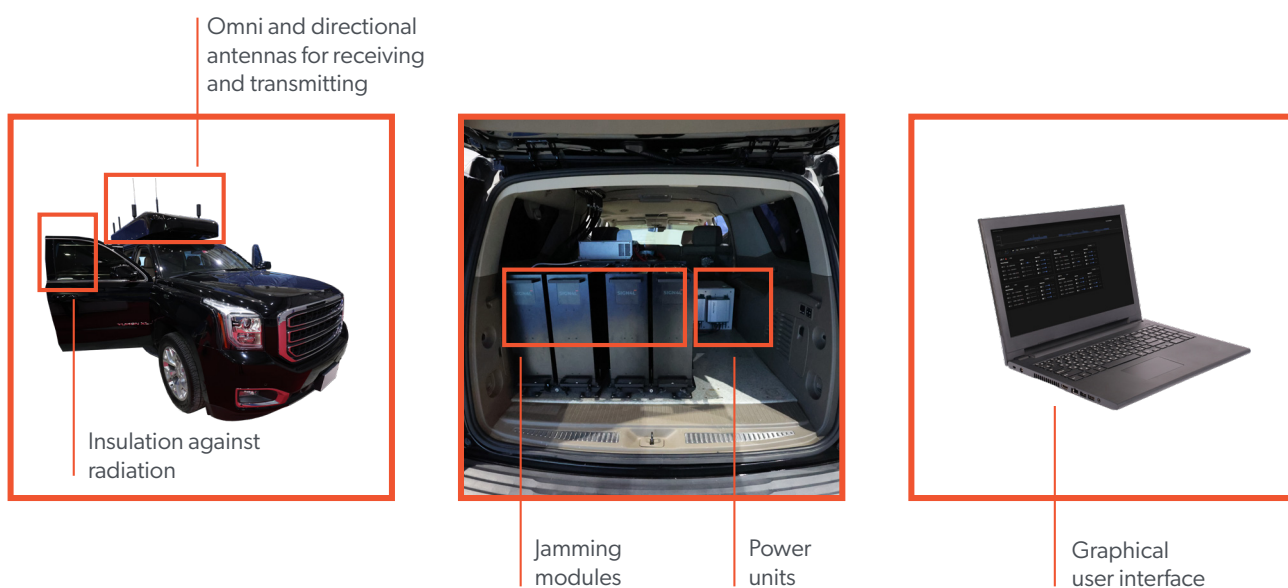


## KEY FEATURES

- Mobile operation. Installed in a vehicle, the system is fully self-contained, with the option of external power source for “on-the-pause” operation
- Active / reactive jammer to enhance range
- Easy to use. The system can be operated automatically or manually depending on user requirements
- Jamming of all frequencies associated with radios, walkie-talkies, mobiles and Wi-Fi
- Up to 16 wideband jammers for simultaneous operation across all bands.



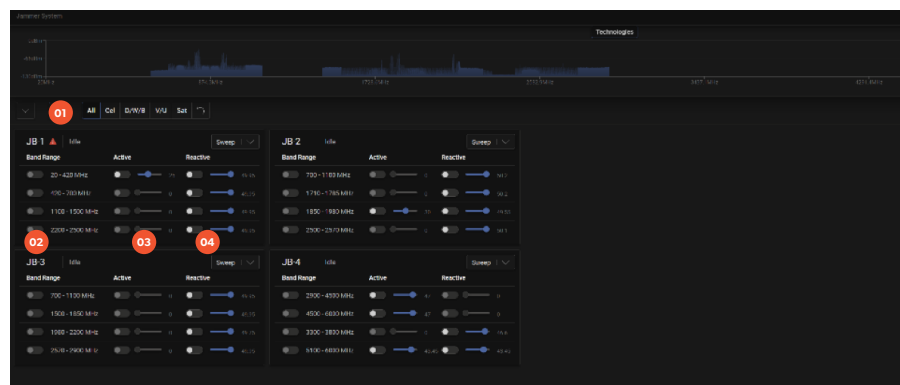
# SYSTEM COMPONENTS



## POWERFUL SOFTWARE CAPABILITIES

- Manual configuration
- Display of received signals on graph
- Easy-to-operate, user-friendly interface

## INTUITIVE DISPLAY



- 01 Predefined profiles
- 02 Enable/disable frequency bands
- 03 Enable/disable active jamming. Output power increase /decrease
- 04 Enable/disable reactive jamming. Output power increase /decrease





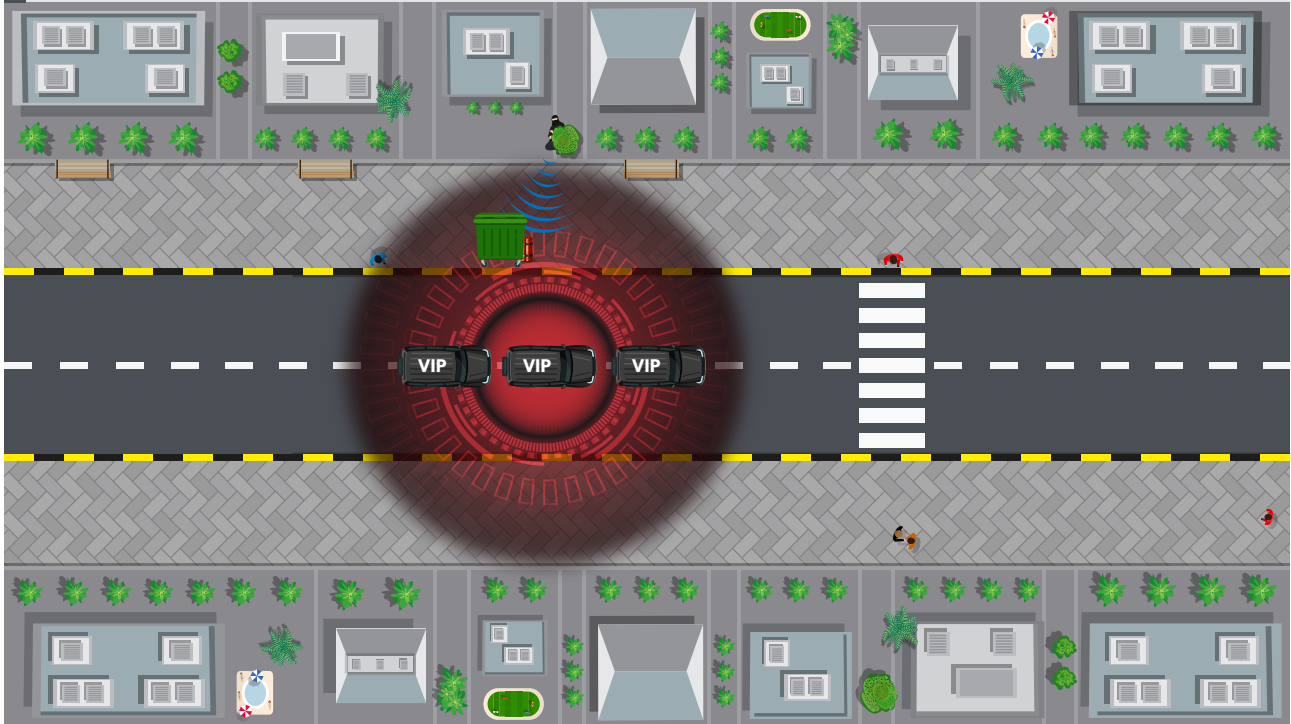
## TECHNICAL SPECIFICATIONS

Operating Bands	20 to 6000 MHz, continuous (with no gaps)
Common threats	UHF/VHF
	Cellular 2G/3G/4G/5G
	Bluetooth/Wi-Fi (2.4 and 5 GHz)
	SATCOM (Thuraya, Iridium, Inmarsat)
Jamming ratio	2:1 (typical)
Number jamming elements	Up to 16 simultaneous channels
Total output power	> 1000 W
Antennas	Combination of omni and high gain directional antennas
Capabilities	User defined reactive jamming frequency range, pre-defined active wave-forms
Functionality	No manual hardware configuration changes between bands, frequencies or technologies
Display	Ruggedised Remote Control Unit (RCU) with integrated GUI
Environmental	Designed to meet MIL-STD 810G

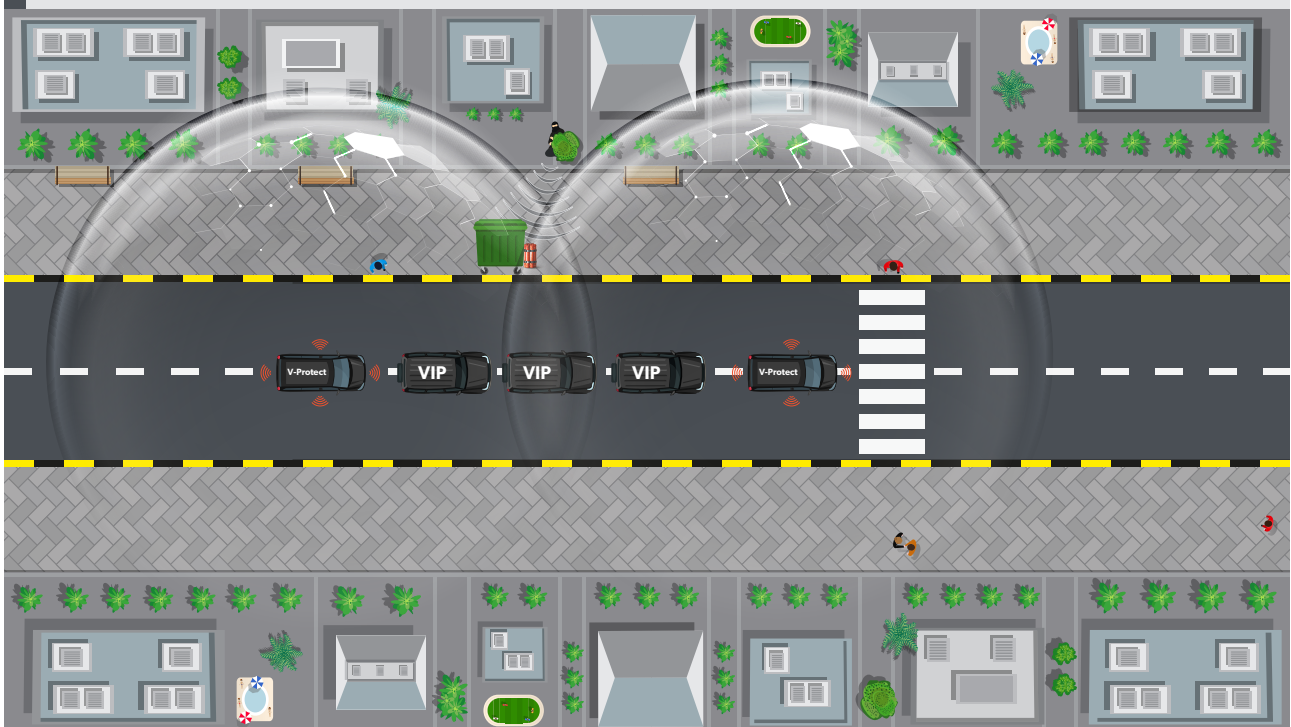


# USE CASE: CONVOYS —

**Unprotected:** All vehicles are exposed to ground or aerial RF-mediated threats.



**Protected:** All vehicles are shielded with a protective dome against threats operating via RF signals, including roadside bombs and drone-delivered munitions.

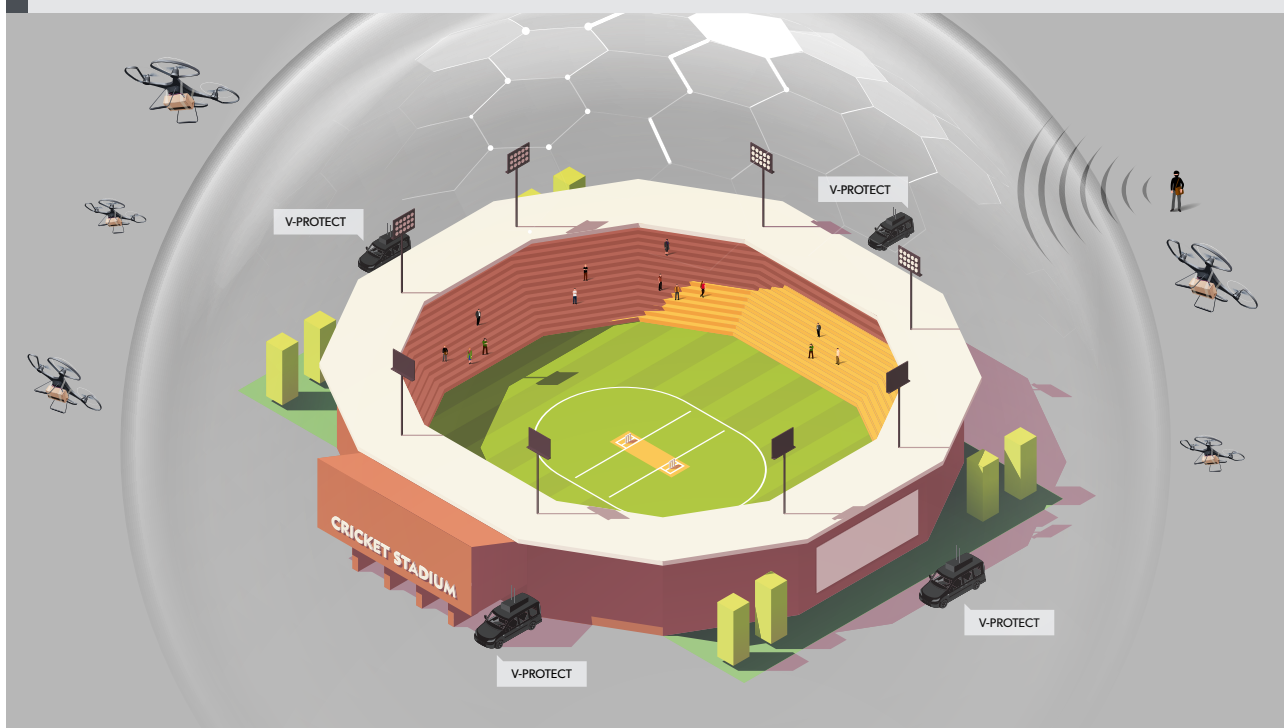


# USE CASE: STADIUMS —

**Unprotected:** Large public events are exposed to RF-mediated attacks across a wide area.



**Protected:** By deploying several vehicles equipped with V-PROTECT systems, large areas and infrastructure, such as stadiums, can be secured with a protective dome that denies all RF-enabled threats.





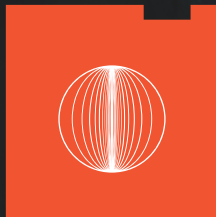
## ABOUT SIGN4L

Electronic warfare (EW) systems have become an essential element of the modern battlefield, and SIGN4L is pioneering advanced technologies to secure the electromagnetic spectrum and is developing disruptive solutions to outpace adversaries.

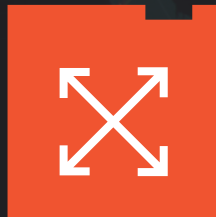
Based in Abu Dhabi, SIGN4L is the leading provider of EW solutions in the UAE and one of only a few in the region with such capabilities.

SIGN4L is part of the Electronic Warfare & Cyber Technologies cluster at EDGE Group.

## OUR CAPABILITIES



Electronic deception and concealment



Electronic Protection



Signal and Communication Intelligence



Electronic Support Measures



Intelligence, Surveillance, Target Acquisition and Reconnaissance (ISTAR) sensors





## ABOUT EDGE

We live in an accelerating world. Characterised by uncharted frontiers, the future is empowered by advanced technology that is galvanising a new breed of players. At the edge of these frontiers exist no limits – where boundless opportunities await.

Transforming how we live, and ensuring a more secure future, is what we do. We are EDGE; and our mission is simple. To disrupt complacency. To move with speed. And to counter threats.

We will not only revolutionise the defence industry, but we will change its fundamentals. We are the vanguard of the next-generation, of a reimagined sector. We prioritise technology in a non-binary world and seek universal solutions. We work with everyone: big or small, start-up or established, local or global.

We are EDGE. We enable a secure future.

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