

**SIGN4L**



# NAVCONTROL

ATTACKS DISABLED | DEFENCE SECURED

Covert protection against GNSS-guided UAVs



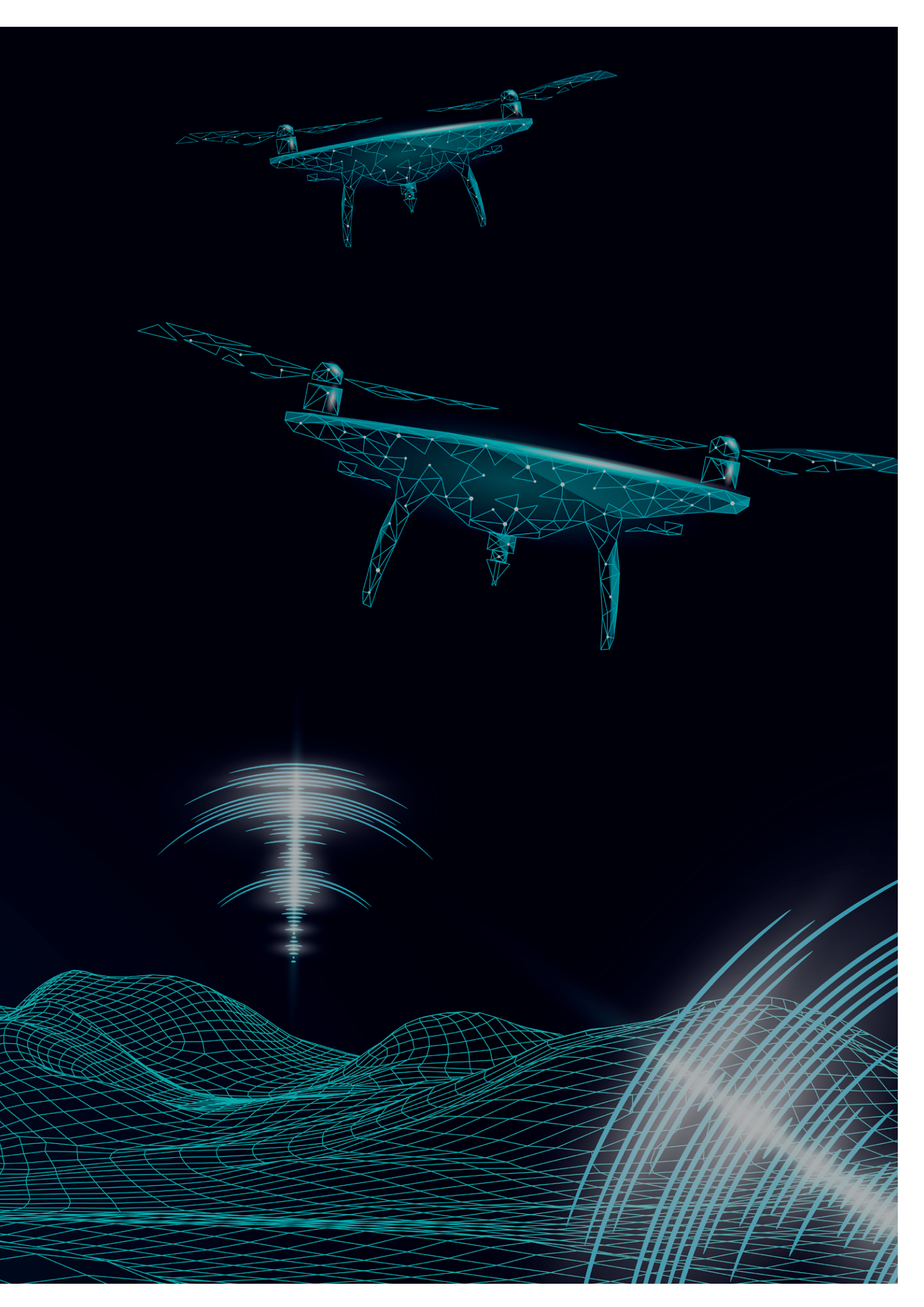
# SOPHISTICATED SPOOFING AND JAMMING TO SECURE AREAS OF INTEREST

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The significant threat posed by unmanned aerial vehicles to ground forces, platforms and facilities requires an effective and reliable response. NAVCONTROL delivers robust protection from hostile UAVs by deploying sophisticated jamming and spoofing measures against guidance systems relying on global navigation satellite systems (GNSS).

Designed and built in the UAE, NAVCONTROL produces covert GNSS denial and emulation signals to safely distance unmanned vehicle threats. With a range of up to 50 km for both spoofing and jamming, the system provides static and dynamic spoofing modes that simulate a contradictory alternative path, thereby protecting areas of interest.





## KEY FEATURES

- Jams all bands across the GNSS spectrum
- Spoofs the GNSS spectrum to protect a specified area of interest
- Combines jamming and spoofing for maximum coverage range

## SPECIFICATIONS

<b>RF Jamming Frequency</b>	GPS L1/L2/L5, Glonass G1/G2, Galileo E1/E5, BeiDou B1/B2
<b>RF Spoofing Frequency</b>	GPS L1C/A, L2C/A. Glonass G1, G2
<b>Total Power Output</b>	Up to 400W
<b>Antenna</b>	High-gain directional antenna
<b>RF Jamming Range</b>	Up to 50km
<b>RF Spoofing Range</b>	Up to 50km
<b>Safety</b>	Alarms for VSWR and temperature
<b>Environmental</b>	Designed to meet MIL-STD 810G

# USE CASE: BORDER SECURITY —

With the NAVCONTROL deployed along a buffer zone of the border, powerful jamming and spoofing signals across multiple GNSS bands are transmitted. Any foreign or potentially hostile UAV that is GNSS-guided or controlled via RF is prevented from entering sovereign airspace, ensuring security of the region.





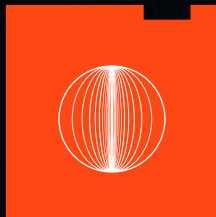
## ABOUT SIGN4L

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.

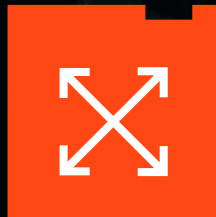
Based in Abu Dhabi, SIGN4L is the leading provider of EW solutions in the UAE and one of only a few in the region with such capabilities.

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**

A person in a military uniform is shown from the chest up, looking at a laptop screen. The background is a blurred outdoor setting with green foliage. The person's hands are visible on the laptop keyboard.

# EDGE

## 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.

**SIGN4L**

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