

Russia – 2023

BBC Verify has been monitoring reports of drone strikes in the Russian media since the start of 2023.

According to these, there have more than 190 suspected attacks this year in Russia and in Russian-annexed Crimea.

The overnight attacks on 30 August are the most widespread we have monitored in one day since the start of the year, with drones hitting at least six regions in Russia from the south to the north-west.

One of the targets was an airbase in the Russian city of Pskov, which Ukraine's military intelligence chief [says was attacked from inside Russia](#) - although he didn't say by whom. The strike set at least two military planes on fire, and a satellite image taken of Pskov Airport after the incident shows two aircraft completely destroyed.

Reported drone attacks on Russian targets



Israel – 2023

How Hamas attacked Israel's communications towers using drones.

Footage posted online by the Al Qassam Brigades, Hamas's military wing, showed a quadcopter drone hovering near a communications tower before it dropped an improvised explosive munition on generators at the base of the tower.

Hamas' use of commercial four-rotor drones to drop small bombs, which appeared to be mortar rounds, on light Israeli defence fortifications has led to worries among military analysts as this form of attack could be replicated by insurgent and terror groups anywhere in the world.

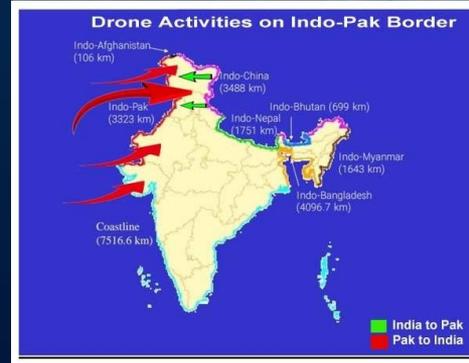
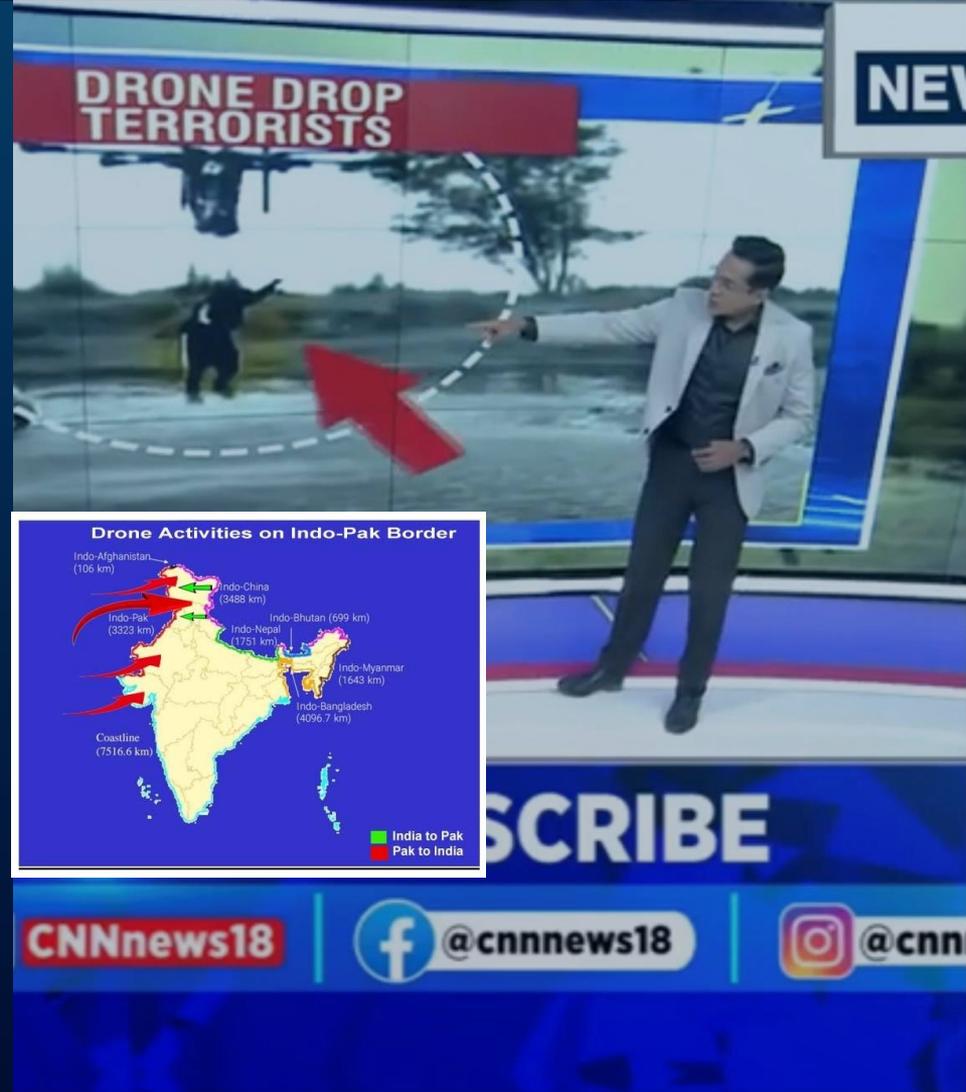


India – 2023

Terror group Lashkar-e-Taiba is testing the capability of dropping terrorists into the Indian territory via drones that can carry payloads of up to 70kg, a video exclusively accessed by News18 has shown

According to the data, Punjab is most active among the three Indian border states and one UT with Pakistan, witnessing more than a four-fold increase in cross-border drone activity between 2020 and 2022.

In 2022, 267 drones detected in Punjab accounted for 83 percent of all drone activities reported along the India-Pakistan border; these are detected, and not necessarily intercepted.



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INDRAJAAL

Indrajaal is India's only autonomous drone defence dome



Indrajaal is backed by industry veterans as parent companies



Grene Robotics

15 years in AI systems



Apogee C4I

10 Years in C4I systems



Sigma Advanced Systems

30 years in defence manufacturing



PLRC Ltd.

60 years in defence construction



I Labs Group

20 years of investments with large portfolios in global defence, media, pharma, manufacturing & special economic zones.

2023 Launch

After **4 years** of rigorous research and development, Indrajaal was officially launched on September 2, 2023, with a keynote address by Lt. Gen. Gurmeet Singh, the current governor of Uttarakhand, former head of the northern command and deputy chief of the Indian army.



[Watch NDTV Coverage](#)



The Tracxn report places Indrajaal as the top counter-drone system in India, while it secures the 9th position globally.

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[View Tracxn Report](#)

Current Projects

We are working with the following organisations to implement the first autonomous drone defence dome tailored to their specific industry.

Each project entails a six-month deployment cycle with necessary approvals from regulatory bodies.

- **India's leading data centre**
- **India's leading Airport**
- **Atomic Energy Plant**
- **Indian Army Border**
- **Indian Navy Ship**
- **Indian Air Force Base**
- **Indonesian Military**
- **Rocket Launch Site**
- **VVIP CM Residence**
- **Indian Oil Refinery**
- **Critical Government Building**
- **Leading City Police Force**



Indrajaal's Exclusive Technology



India's only C5ISR Platform

The heart of the system is the software platform, like iOS that makes the iPhone and not the other way around.



Unified Multi Touch Geo Interface

The move from GUI to Geo UI. We have unified people, process, data, sensors and weapons into one single geospatial interface



Patented Autonomous Engagement

Counter drone systems are expected to engage 100's of threats simultaneously using the most optimal counter measure in 60 to 90 seconds, this is only possible with autonomy



Zombee™ killer drones

The cost to counter a \$10k drone cannot be a million dollar patriot missile, Zombee™ drones are priced equal or less than the price of the incoming threat.

Indrajaal's Unique Value Proposition

Need of the hour

Drone incidents are growing at an alarming rate, not to mention every ongoing international conflict is led by drone attacks.

One size doesn't fit all

This is a fact for counter drone systems, they have to be designed based on threat, terrain and environmental analysis.



INDRAJAAL

The Indigenous Advantage

This technology cannot be brought into India from international players as it has to meet IC & IDDM regulations and has to integrate with sensitive systems like the IACCS and civilian air management systems.

Sensor & Weapon Agnostic

Indrajaal is future and geography proof, as it is not dependent on any one sensor or weapon.

Indrajaal's Experienced Management Team



Kiran Raju
CEO & Managing Director

15 years in AI & Robotics R&D, 60 years of defence business pedigree. The autonomy bug first bit Mr.Raju when he was doing his Masters in Bioinformatics at Carnegie Mellon University in 2002. While working on a project on autonomous vehicles for DARPA (Defence Advanced Research Projects Agency), he realised that existing autonomous systems weren't enough for operations or decision-making



Wing Commander MVN Sai
(Retd.)
CTO & Executive Director

24 years in the Indian Air Force, 34 years in Indian air space mgmt. MVN brings with him a deep domain knowledge and understanding of technology that comes with having spent more than three decades building defence systems for India. He spent 24 years in the Indian Air Force (IAF), where he led several initiatives to modernise air defence infrastructure. MVN played a key role in the IAF adopting network-based operations and was also involved in orchestrating a multi-billion dollar import substitution for the forces



Sunil Kalidindi
Director

3 years in defence manufacturing, 12 years in Indian power sector. He contributed to developing, managing and operating power plants across India. He has led multiple leadership roles in corporate finance and business development. He plays a key role in forging strategic partnerships in the defence sector.

We are leading India's potential landscape



127

Airports



138

Data Centers



36

Police HQ



15000 km

Indian Border



150 Ships,

30 Bases

Ships & Naval Bases



150

Military Bases



64

VIP Locations



355

Critical
Infrastructure



3

Rocket Launch
Sites

\$2.5B is the **estimated market size** in India for the sectors chosen in the 1-10 growth phase

Indrajaal Content Links



**Indrajaal : Product
Explainer Video**



Indrajaal Brochure



**Product Genesis : Defence
Squad Interview of Wg
Cmdr MVN Sai**



**Indrajaal
Technology Vision &
USPs**



**Indrajaal : R&D Centre
Walkthrough**



**Tracxn Report -
Counter Drone
Investments**



INDRAJAAL

Autonomous Drone Defence

Contact us for more details!

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