

Secure every flight.

Firmware, communications, control platform and cloud security, with authorised navigation resilience testing, for drone makers, operators, robotics firms and fleet software providers.

Three questions every drone and robotics leader should be able to answer

If our update server were breached tomorrow, could it push malicious firmware?

Signing keys in hardware, dual approval, secure boot and staged roll-outs decide whether a breach stays on one server or reaches every drone or robot.

Who can reach our fleet consoles, robot controllers and support tunnels today?

Named accounts, MFA, segmentation and monitored vendor access decide whether a phished password becomes a halted warehouse or a grounded fleet.

Have our navigation fail-safes been tested under authorised, controlled conditions?

Sensor cross-checks, integrity alerts and tested fail-safes decide whether interference ends in a safe landing or a lost aircraft.

30,450

Drones registered with UINs (Feb 2025)

9,120

Industrial robots installed in India in 2024

₹120 crore

PLI for drones and components

6 hours

Incident reporting to CERT-In

Built for every layer of the drone and robotics stack

Drone manufacturers and component makers · survey, inspection, agriculture and delivery operators · robotics and warehouse automation firms · autonomous inspection and delivery businesses · fleet management software providers.

The rules that drive your security calendar

Instrument	Key cybersecurity expectations
Drone Rules 2021 · CSUAS 2022 (2021–2024)	Registration, pilot certificates, zones, type certification
CERT-In Directions · audit guidelines (2022, 2025)	6-hour reporting, logs, independent audits incl. OT
DPDP Act · EU CRA (2023–2027)	Personal data safeguards, secure products for the EU

Firmware, links, platforms, navigation, robotics and SOC

Firmware & Device Security

Controller firmware, secure boot, update signing and hardware interfaces.

Links & Communications

Command, telemetry, video, pairing, Wi-Fi and LTE link testing.

Control Platform & Cloud

Ground control apps, fleet consoles, mission APIs and OTA pipelines.

Navigation Resilience

Authorised, controlled testing of sensor cross-checks and fail-safes.

Robotics & OT Security

Robot cells, AMR fleets, ROS exposure, IEC 62443 and vendor access.

24/7 SOC & Response

Fleet and telemetry monitoring, CERT-In reporting and forensics.

Choose your starting point

Foundation

Drone and ground app test, fleet cloud quick review, imagery data protection check, IR retainer. For drone start-ups, operators and RPTOs.

Assurance

Firmware and update security, fleet API and cloud VAPT, CERT-In empanelled audit, managed SOC. For drone makers and fleet software firms.

Continuous Resilience

Red team of fleet and links, authorised navigation testing, IEC 62443 and ISO 27001, product security programme. For large OEMs, robotics and delivery fleets.

Why Codec Networks

CERT-In empanelled

for information security auditing services, and empanelled with NISCI for application audit services.

Certified

ISO 9001:2015, ISO/IEC 27001:2022 and ISO/IEC 20000-1:2018.

Regulation-mapped

Every finding mapped to the Drone Rules 2021 and Digital Sky, the Certification Scheme for UAS, DGCA's GNSS interference circular, CERT-In's Directions and audit guidelines, IEC 62443, the IT Act, the DPDP Act, the EU CRA for exported products and your contracts with buyers.

One connected partner

Testing, audits, SOC, forensics and privacy linked from finding to closure.

Book a scoping session

Share your drones or robots, firmware, links, ground apps, fleet cloud, data and obligations. We will propose a practical testing, audit and monitoring plan for your business.

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Regulatory references reflect public instruments as of October 2026; applicability depends on each entity's licence, category and activities. Services support risk reduction and assurance and do not guarantee prevention of all incidents or regulatory compliance. Sources: Ministry of Civil Aviation reply in the Rajya Sabha (March 2025), International Federation of Robotics World Robotics 2025, PIB and Ministry of Civil Aviation (2021), CERT-In Directions (2022). Confirm obligations against the official instruments.