



Codec Networks

Coding Threats. Decoding Solutions.

INDUSTRY BROCHURE · AGRICULTURE & AGRITECH

Secure the Farm Platform. Protect Every Harvest.

IoT and platform security, privacy, payment integration testing and cloud assessments for agribusinesses, seed and agri-input companies, precision farming and farm IoT providers, agritech marketplaces, warehousing and agri-credit platforms, FPOs and cooperatives.

Farm IoT Security

Platform & API Testing

Payment Integration

Farmer Data Privacy

Cloud Assessments

24/7 SOC

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www.codecnetworks.com

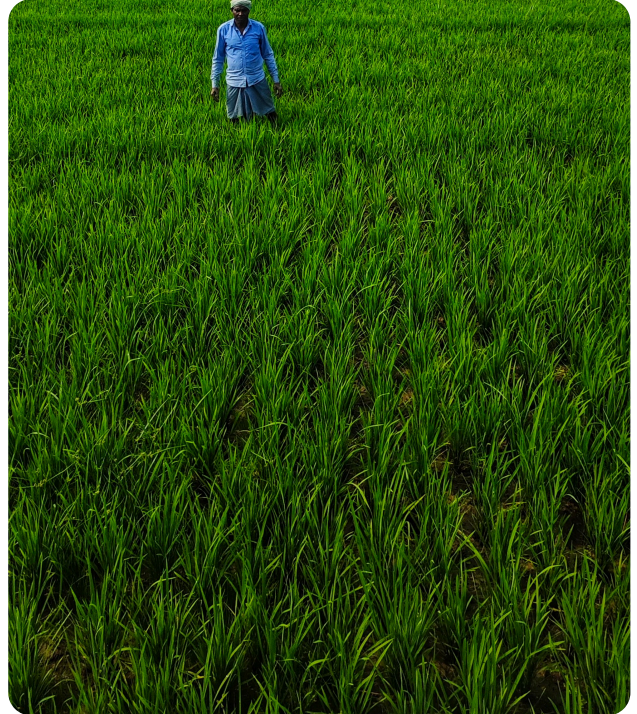
THE CHALLENGE

When farm platforms are hacked, farmers and harvests pay the price.

Indian farming is going digital fast: over 10 crore Farmer IDs under AgriStack, 1.80 crore farmers on e-NAM and PM-KISAN payments to over 9 crore farmers. In 2021 ransomware shut US grain cooperatives at harvest, and in 2020 misused official logins added lakhs of ineligible PM-KISAN payees in Tamil Nadu.

What keeps leadership teams awake

- Farm sensors and gateways open to the internet
- Payment callbacks trusted without checks
- Farmer and land data in exposed cloud stores
- Field agent logins phished for loan fraud
- Ransomware timed to sowing and harvest
- Dealer portals and seed QR codes abused



10.31 crore

Farmer IDs created under AgriStack (Aug 2026)

1,656

Mandis linked to e-NAM (Mar 2026)

9.44 crore

Farmers paid PM-KISAN in June 2026

6 hours

To report cyber incidents to CERT-In

The rulebook has changed

Instrument	What it means for you
Digital Agriculture Mission and AgriStack (2024–2027)	Farmer IDs, crop survey and land data shared through state registries and approved integrations
RBI digital lending and KCC rules (2022–2026)	Lender, partner and loan app duties for digital agri-credit, KYC and data handling
CERT-In Directions and audit guidelines (2022, 2025)	6-hour incident reporting, 180-day logs in India, risk-based independent audits including OT
DPDP Act and sector laws (2023–2027)	Safeguards and breach intimation for farmer data; seed, pesticide and warehouse record rules

One partner from field sensor to payout

Built around our primary proposition for the sector: **IoT and platform security, privacy, payment integration testing and cloud assessments.**

Farm IoT & Drone Security

- Sensor, gateway and controller testing
- Telematics and drone platform reviews
- Device firmware and update checks
- Message broker and cloud link tests

Platform & API Testing

- Marketplace and farmer app VAPT
- Trader, lender and partner API tests
- AgriStack and portal integration checks
- Dealer portal and QR code reviews

Payment Integration Testing

- Gateway, UPI and callback testing
- Settlement and payout logic reviews
- DBT and subsidy flow checks
- Reconciliation and fraud controls

Farmer Data Privacy

- Farmer, land and borrower data maps
- Consent and notice reviews
- DPDP gap assessment and roadmap
- Vendor data handling checks

Cloud Assessments

- Cloud configuration reviews
- Storage and bucket exposure checks
- Identity and field agent access
- Backup and recovery testing

24/7 SOC & Response

- Platform, payment and IoT monitoring
- Harvest-season threat watch
- 6-hour CERT-In reporting support
- Ransomware and fraud forensics

Who we serve: Agribusinesses and agricultural enterprises · seed and agri-input companies · precision farming and farm IoT providers · agritech marketplaces and commodity platforms · warehousing and agri-credit platforms · FPOs and cooperatives on digital platforms.

Packaged for how agriculture and agritech firms buy

Eleven Codec Networks bundles apply directly to agribusinesses, agri-input companies, farm IoT providers, agritech marketplaces, warehousing and agri-credit platforms and FPOs:



Foundation

Agri-tech start-ups and FPO platforms

- App and API security test
- Cloud configuration review
- Farmer data privacy check
- IR retainer

Assurance

Marketplaces and agri-credit platforms

- Payment integration test
- Field agent access review
- CERT-In empanelled audit
- 24x7 managed SOC

Continuous Resilience

Agribusiness and input groups

- IoT, OT and network VAPT
- Supplier and dealer assurance
- ISO 27001 and DPDP
- SOC with plant OT

Mapped to your obligations

Requirement	How we help	Bundle
Approved, consent-based use of AgriStack data (DA Mission)	Integration and data flow review	B2, B6
Lender and partner duties for digital agri-loans (RBI)	Loan app and API assessment	B2, B5
Incidents to CERT-In in six hours; 180-day logs (CERT-In)	SOC, IR retainer, reporting support	B7, B8
Risk-based independent audits incl. OT (CERT-In guidelines 2025)	CERT-In empanelled audit	B4
Accurate electronic warehouse receipts (WDRA framework)	Warehouse system and access review	B1, B3
Safeguards and breach intimation for farmer data (DPDP Act)	DPDPA programme	B6
Supplier and dealer assurance where contracts require it	Third-party risk assessment	B9

Why agriculture and agritech businesses choose Codec Networks

CERT-In empanelled

Independent audits that lenders, buyers and CERT-In guidelines expect.

Field to cloud

Sensors, drones, apps, payments, warehouses and cloud in one scope.

Season-aware testing

Agreed windows that never put sowing, harvest or payouts at risk.

Certified and accountable

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

Full stack, one partner

Testing, audit, SOC and forensics connected from finding to closure.

Certified experts

CEH, OSCP, CISA, ISO 27001 LA/LI and CHFI professionals.

How we engage

Discover & scope

Farm devices and drones, marketplaces and apps, payment flows, AgriStack and lender integrations, warehouses, cloud platforms, farmer data, suppliers and your obligations.

Assess & test

Threat-led testing and regulatory audits executed by certified specialists.

Report in business terms

Findings, risk ratings and a compliance gap matrix for the Board and regulators.

Remediate

Practical, prioritised fixes with technology and compliance teams.

Validate & prove

Retesting and an evidence tracker for auditors, regulators and partners.

Monitor & improve

Managed SOC, recurring testing and quarterly governance reviews.

What you receive: executive summary for the Board or its committee · technical findings with evidence and CVSS ratings · compliance gap matrix · prioritised remediation roadmap · retest reports · audit evidence tracker · SOC dashboards and MTTD/MTTR metrics.



START WITH A SCOPING SESSION

Let's make your next harvest, payout and platform release a non-event.

Tell us your devices, platforms, payment flows, warehouses, data and obligations. We will propose a practical testing, audit and monitoring plan.

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Codec Networks

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Secure Today. Innovate Tomorrow. Regulatory references reflect public instruments as of October 2026; applicability depends on each entity's licence, category and activities. Packages are proposed groupings of Codec Networks bundles, finalised through scoping. Services support risk reduction and assurance and do not guarantee prevention of all incidents or regulatory compliance. Sources: Rajya Sabha reply on AgriStack (August 2026), PIB on e-NAM (April 2026) and PM-KISAN (June 2026), CERT-In Directions (2022). Confirm obligations against the official instruments.