



# QUANTUMWEAVE INTELLIGENCE

Weaving Intelligence for a Sustainable Tomorrow



## About Quantumweave

Quantumweave is an Indian DeepTech startup specializing in AI, cybersecurity, and smart systems. Harnessing custom-developed technologies and advanced techniques, we create secure, adaptable, and sustainable solutions that address complex global challenges. Through strategic collaborations with leading institutions and industry partners, we deliver impactful solutions for a more connected world.

### Focus Areas

Our core focus areas include:

- AI-Driven Cybersecurity & Quantum Security
- Smart Surveillance & IoT Solutions
- AgriTech Solutions
- Fintech Security Solutions



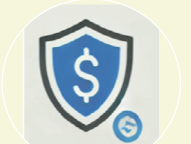
### Mission:

We drive technological innovation through research and development to create sustainable solutions that enhance infrastructure and promote responsible resource management. Our mission focuses on bridging the digital divide, fostering secure and ethical technology adoption, and advancing global progress through strategic partnerships.



### Feel free to reach out

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- LinkedIn: <https://www.linkedin.com/company/quantumweave-intelligence/>



*Scan for more information and to download our brochure:*

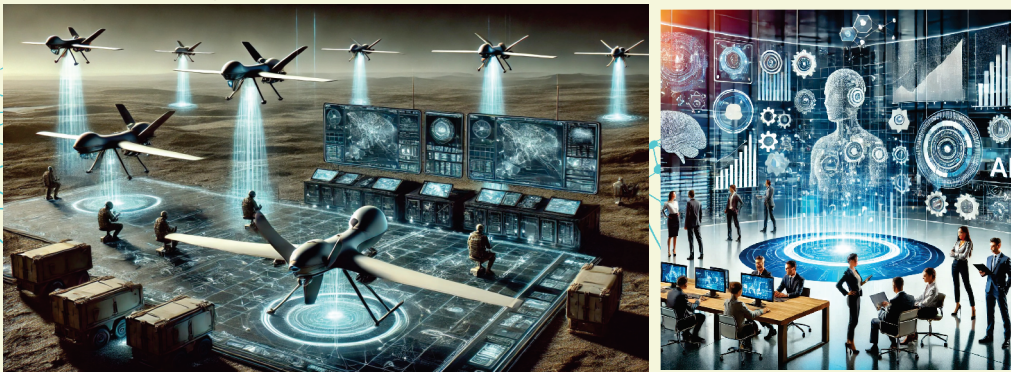


## Flagship Solution: SmartQEye

Precision. Security. Adaptability.

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An advanced surveillance platform designed for precision target detection and adaptive security. Featuring quantum-resistant encryption and real-time high-definition monitoring, SmartQEye safeguards critical infrastructure and high-security environments.

### Key Features

- **Precision Target Detection** : Real-time, high-resolution imaging for accurate identification and tracking.
- **Adaptive Security Protocols** : Context-driven access control dynamically adjusts to evolving security needs.
- **Quantum-Resistant Encryption** : Future-proof data protection against emerging quantum threats.
- **Reliable Connectivity** : Continuous, secure data transfer and monitoring.

### Enhanced by SecureSky:

Adds comprehensive drone security through cross-domain authentication and adaptive controls.

## Innovative Solutions Suite

<b>CrowdEye</b>	AI-driven crowd monitoring for public safety, offering real-time density tracking, behavior prediction, and GIS mapping.	
<b>SmartQEye-CX</b>	Specialized drone-based solution for confined space operations, providing precision navigation, real-time digital twin modeling, and adaptive access control.	
<b>SecureSky</b>	Comprehensive security framework for the Internet of Drones, featuring cross-domain authentication, adaptive access control, and secure communication.	
<b>SecureQX</b>	An extension of SecureSky, designed for adaptive, quantum-resistant security tailored to Industrial IoT environments.	
<b>ShowroomX</b>	AI-driven platform that optimizes customer engagement and showroom experiences through behavior analysis and engagement metrics.	
<b>ShieldNet</b>	AI-powered financial fraud detection platform integrating predictive analytics and quantum-resistant security for FinTech.	
<b>VaanTwin &amp; VertiTwin</b> Digital twin for precision agriculture	VaanTwin: Optimized for large-scale rural applications, integrating satellite and IoT data. VertiTwin: Tailored for urban and vertical farming with real-time growth optimization.	 



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## Market Potential & Strategic Impact

Surveillance & Security: \$75 billion by 2027 (10.3% CAGR)  
Precision Agriculture: \$9.5 billion (12.1% CAGR)  
Cybersecurity: \$250 billion by 2025 (14.5% CAGR)

## Key Milestones

- **SmartQEye** : Secured seed funding under the Startup India Seed Fund Scheme; selected for the Maruti Suzuki Incubation Program at NSRCEL, IIM Bangalore; initial prototype ready; patents filed.
- **CrowdEye** : Initial prototype ready; patent filed; proposal under review for the Toyota Sustainable Cities Challenge 2024.
- **SecureSky** : Developed with support from Digital University Kerala, funded by Kerala Startup Mission and TIDE 2.0 (MeitY). Selected for incubation at Maker Village, Kochi; prototype ready.
- **VaanTwin & VertiTwin** : Patent filed; shortlisted for the India Pitch-Pilot-Scale Startup Challenge; VertiTwin initial prototype ready.
- **ShowroomX** : Advanced to the final stage of the Maruti Suzuki Mobility Challenge; initial prototype in the final stage.
- **ShieldNet** : Final incubation stage at FINGLOBE STPI Gandhinagar; initial version conceptualized.



## Strategic Collaborations & Partnerships



At Quantumweave Intelligence, we actively collaborate with leading institutions and industry partners to foster innovation and deliver next-gen solutions.

### Key collaborations include

**Digital University Kerala (MoU)**

Joint R&D initiatives focused on smart systems, IoT, and cybersecurity.



**Maruti Suzuki Mobility Challenge**

Active participant under a Non-Disclosure Agreement (NDA) to develop and refine mobility and customer engagement solutions.



**Centre of Excellence in AI, National Institute of Technology Calicut (NITC)**

Consortium Partner: Collaborative AI-driven mobility and urban resilience project (SAMUDRA) funded by MHRD.



**Drone Startup Aerosys (MoU)**

Collaborative projects in drone-based security and monitoring solutions.

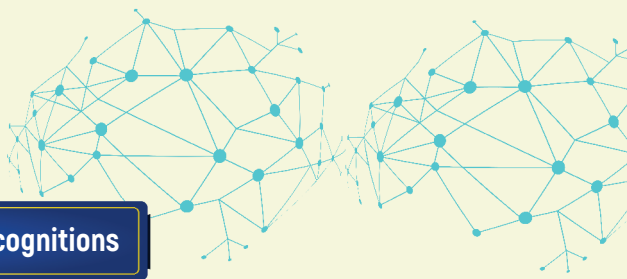


**IICT-International IoT Communication Technologies (Startup), providing integrated IoT testbed solutions.**

Collaboration advancing to the MoU stage, focused on innovative smart city and smart village solutions.







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## Strategic Incubations & Recognitions

### DPIIT Certificate of Recognition



Official startup recognition by the Department for Promotion of Industry and Internal Trade (DIPP Number: DIPP153686).

### MSME Recognition



Recognized under the Ministry of Micro, Small and Medium Enterprises, Govt. of India.

### Kerala Startup Mission



Recognized startup, offering access to Kerala's vibrant startup ecosystem for funding and mentorship.

### NSRCEL, IIM Bangalore, Maruti Suzuki



Completed 6-month incubation through the Maruti Suzuki Incubation.

### Amrita TBI



Active incubation with a focus on scaling and market readiness

### Maker Village



Incubation at India's premier ESDM and hardware incubator.

### NASSCOM 10000 Startups



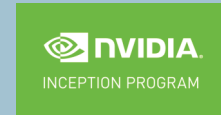
Provides virtual mentorship, networking, and resources.

### AWS Lift Program



AWS credits and cloud infrastructure for product scaling.

### NVIDIA Inception Program



Technical collaboration for AI and ML innovations.

### Microsoft for Founders Startup Hub

Microsoft for Startups

### Founders Hub

Access to Microsoft tools, cloud resources, and expert mentorship.

### FINGLOBE STPI, Ahmedabad



Incubation process underway to expand FinTech and AI capabilities for ShieldNet.

### SIIC, IIT Kanpur (Letter of Intent)



Planned incubation to advance R&D and innovation in AgriTech solutions.



### Team Expertise & Strength

Our dedicated team brings a blend of expertise in AI, cybersecurity, smart systems, and precision technologies. Guided by experienced advisors, we focus on delivering practical, scalable solutions that address pressing challenges in diverse sectors.

### Join Us

We invite partnerships, collaborations, investments, and joint development opportunities to drive impactful change. Let's build a smarter, sustainable resilient future together.

