BioQube
Revolutionizing Identity, Redefining Trust

*Offering **trusted, reliable**, and **affordable** biometric solutions that are **safe, easy to deploy**, and **upgradeable** with minimal cost*

Building **I**mpactful **O**pportunities for **Q**uality, **U**niversal, **B**iometric **E**mpowerment

*Creating solutions that **impact** lives at the **grassroots** level*

AgriGov
Unified Digital Agricultural Platform

World's First, US Patented, **Web 3.0 enablement ready, AI Powered**

Multi-factor, Multimodal, Decentralized Biometric-Identity management Platform with **Live Data Analytics**

Mr. Subodh Narayan Agrawal
Founder

After experiencing sophisticated digital fraud first-hand, Mr. Subodh Narayan Agrawal founded BioQube in 2018, making it his mission to combat identity fraud globally through cutting-edge biometric solutions.

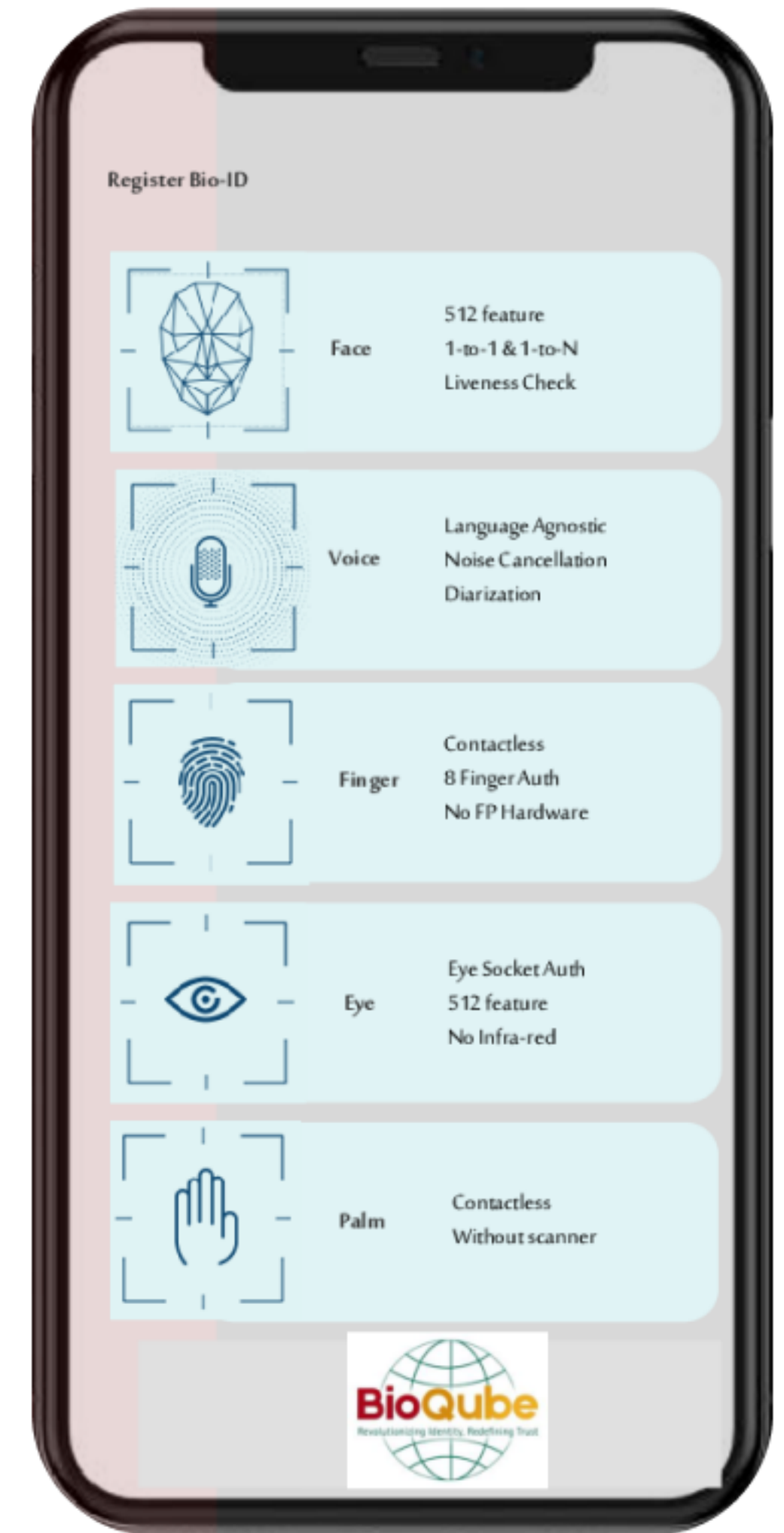| Feature	Problems	Solution by Bioqube	Our Competitive Edge
Biometric Modalities	Single – Factor : Face only or finger (using device)	**Multi Factor Authentication** (Face, finger, Voice, eyes & Palm)	Face : **1: N, 1:1** Match @ 26 ms in a 20 Million Records in cloud
Hardware Requirements	**Fragmented hardwaresolutions: Specialised & Costly hardware,** can't communicate instantaneously with global Databases	**Mobile fist technology.** Mobile Tablet/ IP Camera - Based, No additional Hardware needed WEB 3 Enabled	**No Spares/inventory** required Leverage Mobile **Technology advancement**
Cost and Accessibility	Expensive, Urban Centric, slow deployment	Affordable, grassroots-focused, leverages Mobiles/ tablets innovation	Leverage **existing Infra (IP camera), individual's mobile**
Security measures	**Security vulnerability** Basic encryption, no decentralised data OTP & Password dependent to complete end-to –end process	**Decentralized Data security** with AES 256 Encryption, data stored in customer's Cloud	**Patented** Technology - Distributed architecture for Multi-factor authentication, Local AI deployment –Online & Offline
Scalability	Limited scope, Expensive, Time consuming and difficult to upgrade/ replace	**Empowering users:** Highly Scalable across Diverse environment	Quick deployment **via app,** AI model works both **Offline and Online,Deduplication** check – on Device & in cloud
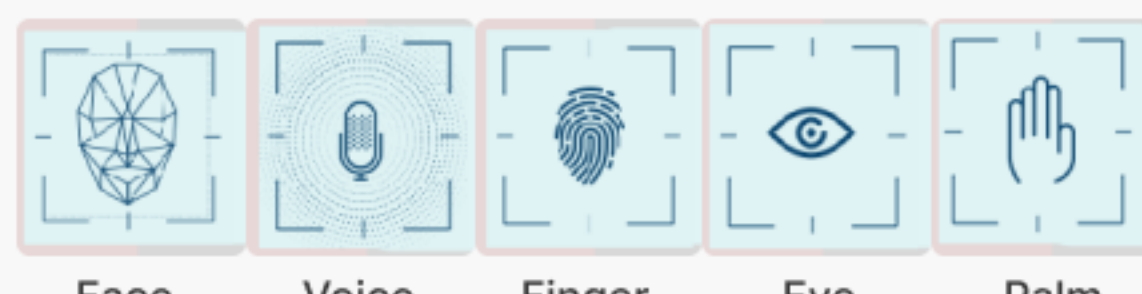
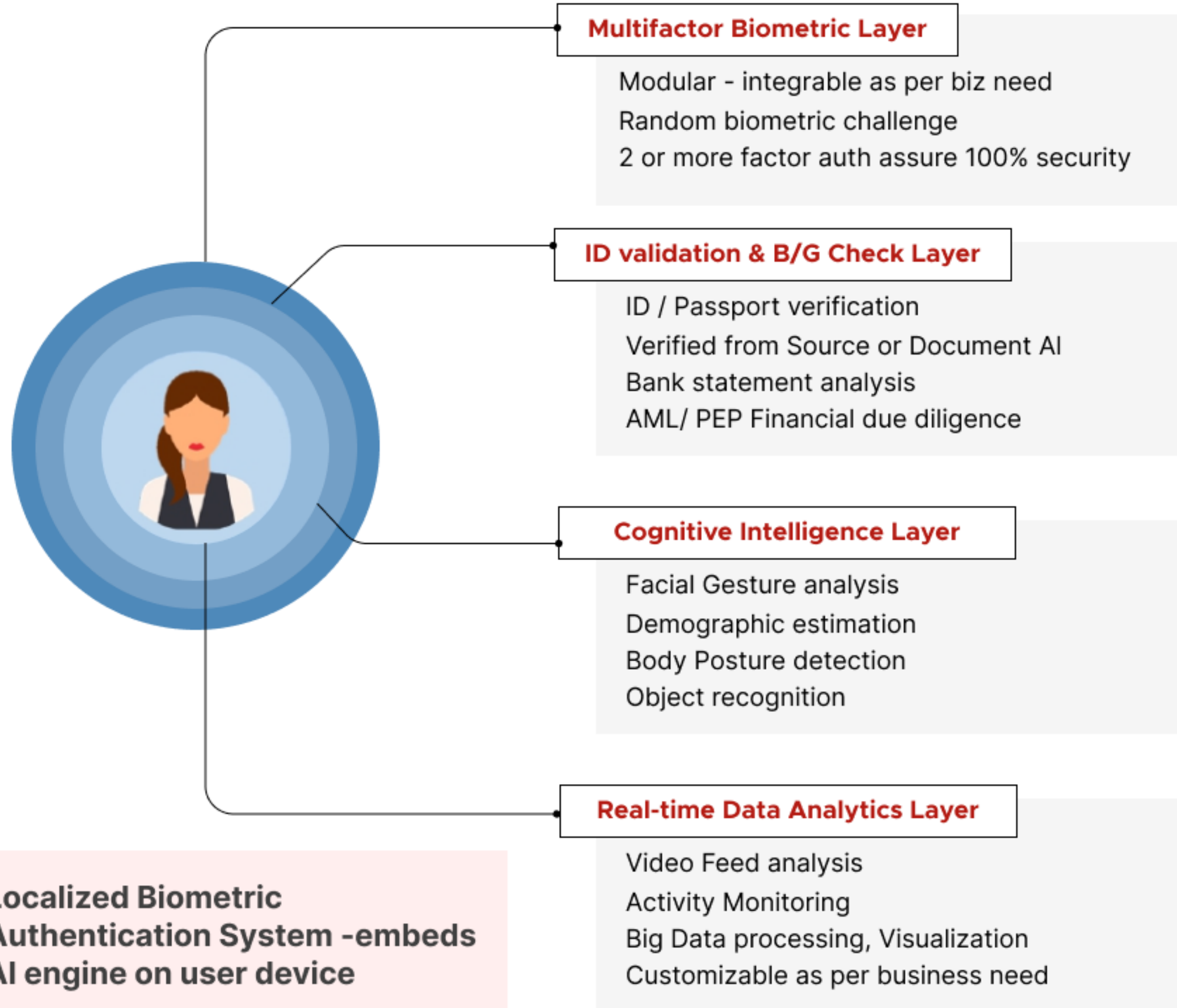Mobile/Tablet + Face Voice Finger Eye Palm +

• **Web3 Enabled**
• **Unique, Distributed Data Architecture**

Core Technology

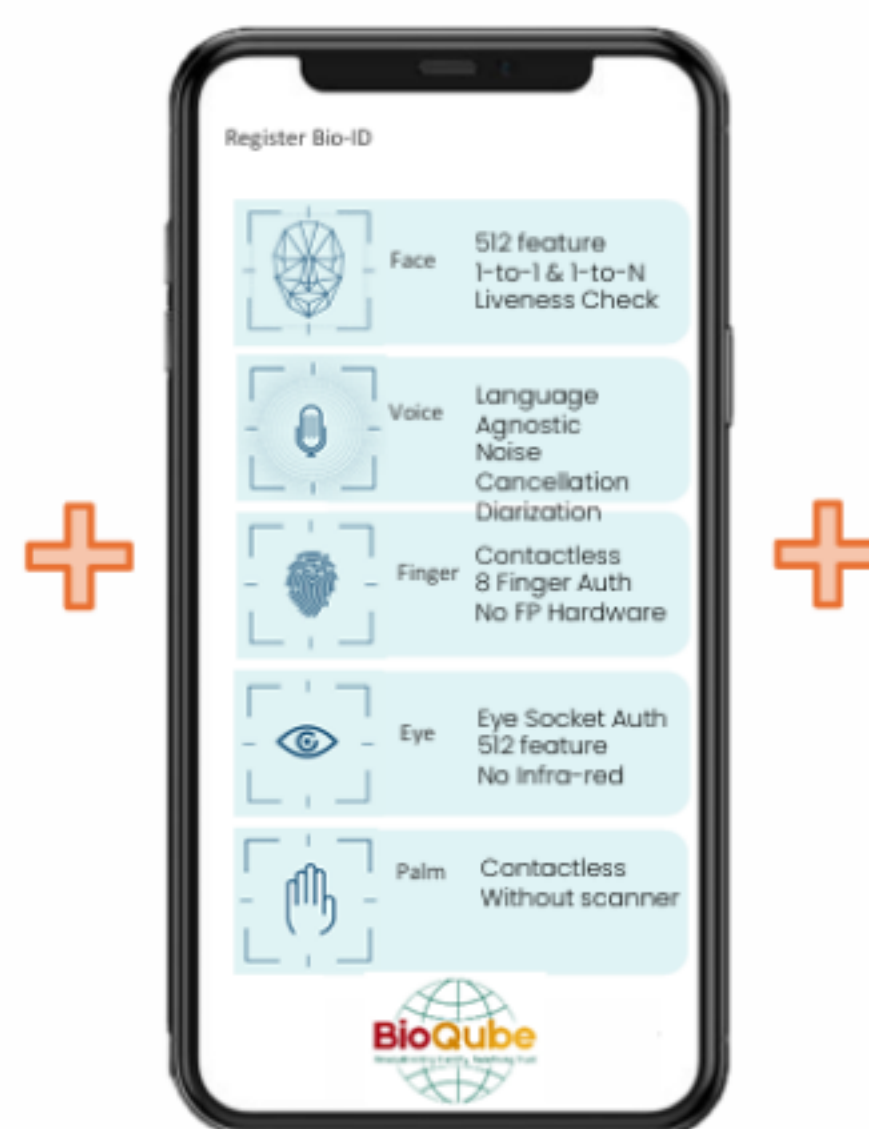Your Biometric is your Identity, Web 3 Enabled
A Patented decentralized data architecture which reduces risk of hacking

Multifactor Biometric Layer

Modular - integrable as per biz need
Random biometric challenge
2 or more factor auth assure 100% security

ID validation & B/G Check Layer

ID / Passport verification
Verified from Source or Document AI
Bank statement analysis
AML/ PEP Financial due diligence

Cognitive Intelligence Layer

Facial Gesture analysis
Demographic estimation
Body Posture detection
Object recognition

Real-time Data Analytics Layer

Video Feed analysis
Activity Monitoring
Big Data processing, Visualization
Customizable as per business need

Localized Biometric Authentication System -embeds AI engine on user device

+ 3 More applied

Register Bio-ID

Face	512 feature 1-to-1 & 1-to-N Liveness Check
Voice	Language Agnostic Noise Cancellation Diarization
Finger	Contactless 8 Finger Auth No FP Hardware
Eye	Eye Socket Auth 512 feature No Infra-red
Palm	Contactless Without scanner

BioQube

Solution Architecture

Deployable both Offline & Online

Multimodal, Interoperable
Agile AI platform

Multifactor Bio-Auth
5-factor, 1200+ feature

Internet Independent
on Edge Device or Server

Privacy & Data Security
No data storage without user consent. AES-256 Encryption

Hardware Agnostic AI
No costly specialized device

Augmented Intelligence
Actionable insights

Self Service
No Operational dependency

Inbuilt Data Intelligence
with Big Data Analytics

Pay-as-you-go SaaS
Zero Upfront CAPEX

+

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Palm	Contactless Without scanner

BioQube

+

No Specialised Hardware

Deployable using any mobile/tablet

+

Interpretable with legacy system

&

Military grade data protection

AES 256+decentralized data structure

+

ALERT
Inside geofence

NO ALERT
Outside geofence

GEOFENCE
A geofence is a virtual geographic boundary around a physical location.

Geo-Fenced

• **Contact Less**
• **No Specialized Hardware**

AgriGOV

Integrated, biometric-driven digital platform that transforms agricultural governance by enabling seamless identification, authentication, and support delivery to farmers.

The platform uses multimodal biometrics like voice and facial recognition to create tamper-proof, verifiable farmer identities, replacing paper-based and manual verification.

Bioqube Focus: Secure & Productive Farming

Key Challenges

- **No Unified Platform for Farmers**

- **Challenges in Insurance and Credit mechanism**

- **Lack of Monitoring Mechanisms**

- **Limited Warehousing facility**

BioQube's Value addition

- **Self Service Verified Onboarding with Biometric & Document Integration**

- **Paperless Loan / Insurance Application with Identity Verification**

- **Continuous Monitoring of User Financial Health Through Closed Loop Merchant & Correspondent Network**

- **Linking Produce Storage at Warehouse with Farmer Bio-ID – Blockchain Enablement in Future**

- **Bio-auth Zero Fraud Subsidy & Benefit Transfer at Each Point Of Distribution**

End-To-End Farmer Financial Lifecycle Manage

UNIQUE DIGITAL ID & FARMER KYC
Each Farmer Is Onboarded Onto A Digital Platform – A Unique Digital ID Is Issued Linked With Farmer Biometrics & Legal ID.

ADVISORY & FEEDBACK
Feedback On The Weather, Crop Recommendation Based On The Output.

GOV. SUBSIDY & BENEFITS
Farmers Are Handed Over Seeds, Fertilizers, Pesticides Etc. & Monetary Subsidies With Identity Verification – Zero Pilferage.

UNIFIED AI ENABLED DIGITAL PLATFORM

AI ENABLED HARVEST MONITORING
Future Roadmap For AI & IoT Enabled Harvest Monitoring On Each Farmer's Land & Tag Them With Farmer Identity & Credit Profile.

LOAN & EQUIPMENT MONITORING
A Unique QR Code Tagged With Farmer's Bio ID For Easy Monitoring In Warehouses Too.

SEEDS & FARM EQUIPMENT CREDIT FINANCING
Comprehensive Farmer Profiling For Bio-Auth Based Loan Disbursement & Monitoring System With Tagged Farmer Identity.

FARMER & CROP INSURANCE
Integrated Crop Insurance & Other Special Insurance Plans For The Farmers & Their Family Members.

Transforming Agricultural Governance

Outcomes
- Unified Data Framework
- Resource Optimization
- Dynamic Decision Support
- Fraud Reduction
- Productivity Scoring

Impact On Farmers
- Frictionless Access
- Financial Inclusion
- Digital Empowerment
- Reduced Bureaucracy
- Merit-Based Support

Impact On Government
- Enhanced Transparency
- Resource Efficiency
- Strategic Planning
- Rural Digitization
- Sustainable Development

AgriGOV: Disruption & Data Benefits

What Makes AgriGOV Disruptive

AgriGOV replaces paper–based verification with biometric ID, functions offline in rural areas, shifts to predictive governance, integrates biometrics, mobile, IoT, and satellite data, and supports the full agricultural lifecycle.
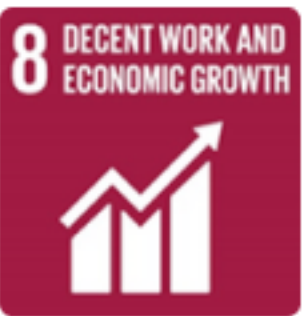

Data-Driven Government Benefits

AgriGOV enables precise input targeting, continuous policy feedback, regional performance visibility, holistic planning across sectors, and measurable progress toward sustainability goals.

Farmer Sentiment Impact

AgriGOV fosters trust through transparency, reduces paperwork with a single biometric ID, empowers farmers with data access, restores dignity by removing queues, and prepares them for modern agri–value chains.

Aligned with 9 UN SDG goals

1 NO POVERTY | 2 ZERO HUNGER | 3 GOOD HEALTH AND WELL-BEING | 4 QUALITY EDUCATION | 8 DECENT WORK AND ECONOMIC GROWTH | 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE | 10 REDUCED INEQUALITIES | 13 CLIMATE ACTION | 16 PEACE, JUSTICE AND STRONG INSTITUTIONS

NIST | HIPAA COMPLIANT

GDPR | ISO CERTIFIED COMPANY 9001:2015

AICPA SOC

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