

— COMPANY PROFILE • 2026

Intelligent systems for enterprises that *build, grow & trade.*

We design and engineer Agentic AI, Blockchain and custom cloud-native ERP platforms, from first architecture to production.

Agentic AI

Blockchain & Tokenization

Cloud-Native ERP

UNITED ARAB EMIRATES • WWW.ULTRANOUS.AI

Born in the boardroom. *Built for the real world.*

UltraNous emerged from the boardrooms of **GrowPro, TechAgro and H-Eden**, backed by three generations of entrepreneurial leadership across farming, mining and IT. We turn that operating experience into secure, scalable technology with measurable business impact.

MISSION

Sustainable AI for a thriving future.

VISION

Innovate ethical, eco-conscious AI solutions.

MANTRA

Intelligence for a Sustainable Tomorrow.

We build robust web and mobile applications alongside **AI and Blockchain** solutions that address real challenges in construction, agriculture, climate, finance and community empowerment.

Our team has delivered and maintained large-scale private and government programmes, with a focus on **compliant, secure and ethically designed** technology.

6

flagship platforms built and running: construction ERP, carbon, AgriFinTech, incubation, crop finance, KYB

3

core disciplines: Agentic AI, Blockchain and Cloud-Native ERP

65+

years of combined co-founder experience in AgriTech, blockchain, AI and enterprise operations

Three disciplines. *One delivery team.*

We specialise where intelligence, trust and scale meet, so a client's AI, ledger and operating system are designed together.

01

Agentic AI

Multi-agent systems that read documents, talk to users by voice and act through governed tools.

- Multi-agent orchestration & copilots
- Voice & chat agents (English / Arabic)
- Document OCR, extraction & validation
- Recommendation & prediction engines

02

Blockchain & Tokenization

Ledgers that make assets, credentials and impact verifiable on-chain.

- NFT certificates & carbon credits
- Real-world asset tokenization
- Decentralized oracle networks
- Wallets, payments & tokenomics

03

Custom Cloud-Native ERP

Industry ERPs built as microservices, with AI agents built into every workflow.

- Microservices, API gateway, per-service data
- Role-based portals, KYC/KYB, payments
- Web, mobile & admin consoles
- AWS-hosted, secure & audit-ready

STEP 01

Discover

Map processes, data and regulatory constraints with your stakeholders.

STEP 02

Architect

AI, ledger and cloud designed as one system, security first.

STEP 03

Build & prove

Agile sprints and an MVP your users can touch within weeks.

STEP 04

Launch & operate

Production on AWS with monitoring, audit trails and improving agents.

A production-grade stack, *not a slide of logos.*

Every layer below runs in platforms we have shipped, with security, metering and audit built in.

LAYER 01 Intelligence

Multi-agent orchestration Anthropic Claude Google Gemini AWS Bedrock
ElevenLabs voice Realtime speech-to-text Document OCR & extraction
Satellite imagery IoT telemetry analysis

Engine-validated tools, prompt-injection hardening, per-turn metering and budget caps for every agent.

LAYER 02 Trust

XDC Network EVM · Solidity ERC-721 NFTs ERC-3643 (RWA) Decentralized oracles
R3 Corda ethers.js Tokenomics design

Energy-efficient chains for carbon credits, certificates and payments.

LAYER 03 Cloud & Platform

AWS Microservices + API gateway Node.js · TypeScript Next.js · React
React Native / Expo MongoDB Atlas Redis · BullMQ Socket.IO Docker · S3

Database-per-service, queue-driven workers and role-scoped gateways.

LAYER 04 Compliance

UAE Pass KYC / KYB · ShuftiPro Stripe & regional gateways Verra alignment
Shariah-compliant flows RBAC & audit trails

Built for regulated markets, including an SCA-approved crowdfunding platform.

TEAM CERTIFICATIONS

AWS Generative AI R3 Corda SAFe Product Owner Open Group Enterprise Architect

Multi-Agent Construction Management *ERP*

One platform connecting clients, consultants, contractors and site teams from tender to handover, with AI agents doing the paperwork that slows projects down.

- **Projects, phases & tasks:** Kanban, timelines, progress
- **Tenders & BOQ:** bidding with structured bills of quantities
- **Invoicing & purchase requisitions** with cost variance
- **Documents** with role-based access and audit
- **KYC onboarding**, meetings and realtime messaging

15

microservices behind one API gateway

4

stakeholder portals in one ERP

5

AI agents across the ERP workflow

THE AGENT CREW

AGENT · DOCUMENTS

Document Intelligence

Extracts and cross-checks trade licences, site plans, passports and Emirates IDs; flags expiries and mismatches.

AGENT · TENDERS

BOQ Parsing

Turns client BOQ files (PDF / Excel) into structured line items with codes, quantities and rates.

AGENT · VOICE

Voice Assistant

Lets site and office teams query and update projects hands-free.

AGENT · SITE

Site Report AI

Generates structured daily site reports from field inputs.

AGENT · CONTRACTS

FIDIC Contract Generation

Drafts FIDIC-based contracts from project and tender data for review.

ROADMAP

Tender, Schedule & Risk

Tender analysis, schedule prediction and risk assessment agents.

React · TypeScript

Node.js microservices

MongoDB Atlas

Redis · BullMQ

AWS Bedrock

Zekon

Trusted carbon. Verified impact.

The digital backbone carbon markets lack. Zekon connects carbon offsetters, verifiers (VVBs), registries and buyers on one platform, from originating verified impact to selling and retiring tokenized credits.

THE PROBLEM

Farmers and project owners create real carbon value but face manual verification, cumbersome reporting and double counting.

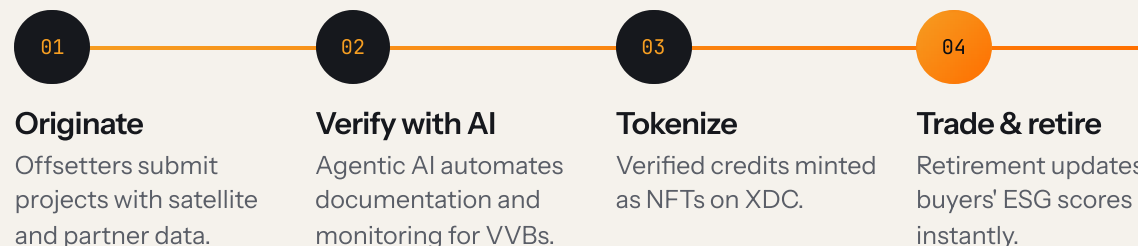
\$25.85B

UAE carbon market by 2030, up from \$3.29B in 2023 (34% CAGR)

\$50–100B

global carbon credit market projected by 2030

LIFECYCLE · CARBON IMPACT TO ESG VALUE



AI Documentation

Automated monitoring and verification to accelerate approvals.

Instant ESG Scoring

Real-time impact reporting for CSRD-style disclosure.

Carbon Tokenization

Transparent NFT-based credits on energy-efficient XDC.

Registry Alignment

Verra integration and a roadmap to digital VVB capability.

ZKN utility token · 500M supply

Burn on every NFT trade

Staking & governance

Roles: offsetters · buyers · VVBs · investors

Tathmeer.ai

An AI-powered AgriTech platform uniting farmers, agri-experts, buyers and investors across the GCC, and the **UAE's first SCA-approved, Shariah-compliant AgriTech crowdfunding platform.**

AI AGENT • سند

Sanad: onboarding agent

Completes onboarding with farmers and buyers by voice or chat, in English and Arabic.

AI AGENT • سند

Sanaad: farm assistant

Answers questions on a farmer's real data: farms, IoT readings, funding and bookings.

AGENTIC ENGINE

Crop recommendations

A multi-agent engine produces a ranked top-3 set for each farm.

IOT + AI

Smart farm monitoring

Sensor telemetry analysed into alerts and farm-health reports.

Farmer Journey funding

Expert verification

UAE Pass

Payments

Web + iOS / Android

20+ microservices

"Invest · Grow · Sustain": technology that puts farmers and investors on the same page.



SPARK • SHARJAH

Tathmeer's AgriTech training, innovation & incubation centre

Tathmeer *Academy*

The digital platform behind Tathmeer's AgriTech centre. It takes innovators from idea to commercialisation and connects them with mentors, facilities and investors, all in one governed portal.

INNOVATOR JOURNEY

01

Register

Individuals or teams sign up.

02

Submit idea

Draft and submit for screening.

03

Screening

Committee scores against criteria.

04

Incubate

3, 6 or 12-month packages.

05

Invest

Investor meetings & data rooms.

INNOVATORS

Ideas, team, packages, mentors, facilities, events and lifecycle tracking.

INVESTORS

Idea feed, watchlists, meeting requests and NDA-gated data rooms.

CENTRE STAFF

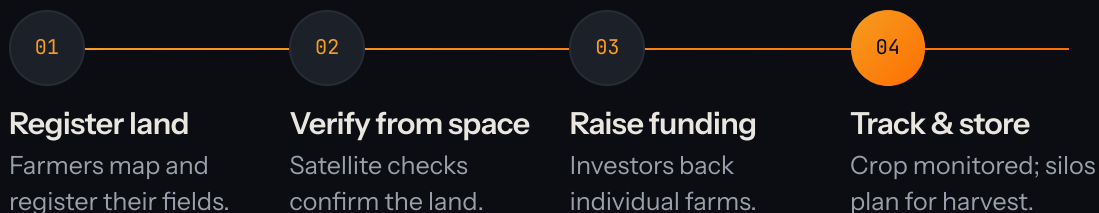
Screening, finance, facilities and an append-only audit trail.

Khumo

Fund the farm, not the paperwork.

An AI-powered crop value-chain platform connecting farmers, investors, silos, banks, insurers and government. Investors fund individual farms, not abstract shares, and watch the crop grow by satellite.

HOW IT WORKS



South Africa • maize Ghana • rice edition Region packs for new countries

ONE PLATFORM, EVERY STAKEHOLDER

FARMERS

Register land, pick a suited crop variety and raise funding.

INVESTORS

Fund individual farms and follow the crop by satellite.

SILO OPERATORS

Plan storage against forecast harvests.

BANKS & INSURERS

Lend and insure against verified, monitored farms.

GOVERNMENT

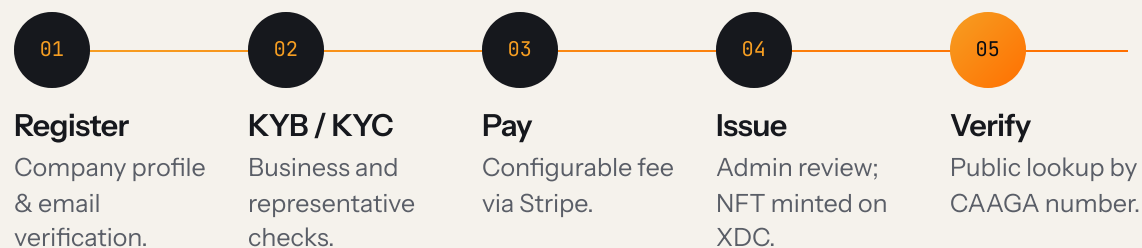
Sees national production in real time for food-security planning.

CAAGA

"Is this company legit?" answered in one search.

A KYB/KYC verification platform and blockchain-certified company directory. Businesses prove they are real and vetted, and receive a tamper-proof **CAAGA Certificate minted as an NFT on XDC** that anyone can verify independently.

CERTIFICATION FLOW



CAAGA CERTIFICATE

● VERIFIED

Example Trading LLC

Verified business · United Arab Emirates

CAAGA NO.

CA-2026-000142

VALID UNTIL

31 DEC 2027

NETWORK

XDC • ERC-721

TOKEN ID

#142

Illustrative certificate: verifiable on-chain without trusting CAAGA's servers.

Next.js

MongoDB Atlas

XDC • ERC-721

ShuftiPro

Stripe

The people behind *the platforms*.

CEO • CO-FOUNDER

Layth Dwairi

~25 years in AgriTech. Founder of TechAgro, co-founder of Tathmeer, Nature Hub and H-Eden. A pioneer of AI and digitalisation in agriculture with patented smart-farming technology and Shariah-compliant investment platforms.

CO-FOUNDER

H.E. Faisal Eissa Lutfi

Assistant Undersecretary for Consular Affairs, UAE Ministry of Foreign Affairs. Led the world's first AI-powered Smart Mission and the eDAS attestation platform; former executive at Dubai Customs.

CTO • CO-FOUNDER

Lokesh

~20 years in IT across blockchain, AI and IoT, with neuro-symbolic AI research. Led decentralized oracle networks, Layer-1 ecosystems and cross-border payments. Certified in R3 Corda and AWS Generative AI.

COO • CO-FOUNDER

Karthick

20+ years leading digital transformation across blockchain, DeFi, ESG and tokenized RWAs. SAFe Product Owner and Open Group Enterprise Architect.

GROUP CHIEF STRATEGY OFFICER

Imran Nawaz

17+ years in strategy, operations and financial leadership across manufacturing, healthcare, logistics, aviation and F&B. CMA, CIPFA, MBA.

Operators

Founders who run farms, ports and funds, not only software.

Regulated

SCA, Shariah, KYC/KYB and registry-aligned delivery.

Full-stack

AI, blockchain, cloud, web and mobile under one roof.

Connected

Government, investor and partner networks across MENA.

A trusted *partner network*.

SHARJAH, UAE

Well Tech LLC

Digital solutions that simplify business operations.

SHARJAH, UAE • SRTI PARK

StrugNova FZC

Robotics and automation.

UZBEKISTAN

AlxBlock

Build, train and monetise AI models with no-code workflows.

UNITED STATES

Cybersecurity Advisory

Risk assessment and protection of networks and systems.

INDIA • SINGAPORE

Engineering Partner

Dedicated engineering capacity for scaled delivery.

BANGALORE, INDIA

Geospatial Partner

Remote sensing and hyperspectral satellite monitoring.

Let's build what's *next, together*.

Our agents are at your service, and they are listening. Tell us the problem; we will bring the architecture.

EMAIL

info@ultranous.ai

PHONE

+971 54 468 8576

WEB

www.ultranous.ai

