



INVEST · GROW · SUSTAIN

Tathmeer Agri Tech

Efficiency through Innovation

The first of its kind in the UAE — uniting a working farm, a digital platform, and an R&D and training campus in one integrated model.

Company Profile

Integrated Agri-Tech Innovation Centre — SPARK, Sharjah



COMPANY AT A GLANCE

One venture, four operating pillars

01

Innovation Centre

R&D labs and an AgriTech Academy inside SPARK, Sharjah.

02

Working Farm

Controlled-environment production that generates revenue and validates solutions.

03

Digital Platform

FarmBridge connects farmers, buyers, suppliers and service providers.

04

Regulated Funding

SCA-approved, Shariah-compliant crowdfunding for farmer access to capital.

FROM DIGITAL INNOVATION TO REAL-WORLD AGRICULTURE

From platform to ecosystem

01 From Digital Platform

Simplifying agriculture by answering what to grow, how to grow, and where to sell

Helping farmers adopt the right technologies and access the right markets

Enabling data-driven decision making

02 To Real-World Ecosystem

A physical innovation centre demonstrating technologies in real conditions

A digital platform that guides and connects farmers

A productive farm that generates revenue and validates solutions

Academy-certified experts and engineers ensuring trust and execution

SCA-approved, Shariah-compliant crowdfunding enabling access to capital

“We don’t just advise farmers — we walk the journey with them, from decision to production to market.”

STRATEGIC OBJECTIVES

Building Sharjah’s Agri-Tech Innovation Centre

Tathmeer proposes a comprehensive Agri-Tech Innovation Centre within SPARK, integrating advanced agricultural infrastructure, a digital ecosystem platform, R&D capabilities, and a dedicated training hub.

Serve UAE Priorities

Food security, sustainability, innovation, and economic diversification.

Connect the Chain

Farm development, deployment, intelligence, market access, and investment.

Modernize Farms

Technology-driven infrastructure and resource-efficient systems.

Food Security

Sustainable UAE food supply

Agri-Tech Ecosystem

Technology-driven farming networks

Farm Crowdfunding

SCA-approved and Shariah-compliant

Youth & Startups

Enabling young agronomists and new entrepreneurs

INTEGRATED SOLUTION FRAMEWORK

One connected ecosystem, coordinated end to end

Farmers, technology, funding, and markets in one system — not just a platform, but real farms, real execution, real outcomes.

Tathmeer FarmBridge

Connects farmers, buyers, suppliers and service providers on a unified platform for onboarding, product listing and supply chain integration.

Agri-Tech Infrastructure

Controlled-environment farming, automation and resource-efficient systems that raise productivity and sustainability on farms.

Data Intelligence Centre

Monitors and analyses farm data with AI to generate insights, predictive alerts and preventive support.

Tathmeer Crowdfunding

Shariah-compliant, SCA-approved funding for farmers, enabling the community — especially youth — to invest in agriculture.

Training Academy

Training and certification programmes; certified experts provide agri-tech expertise and operational support to registered farmers.

Agri-Research Centre

Research and innovation developing AI-based solutions that improve food productivity and related activities.

CAAGA

Validates, certifies and standardises technologies, providing access to global agri-tech partners and worldwide best practice.

VALUE PROPOSITION

Physical infrastructure and a unified digital ecosystem in one model — first of its kind in the UAE.

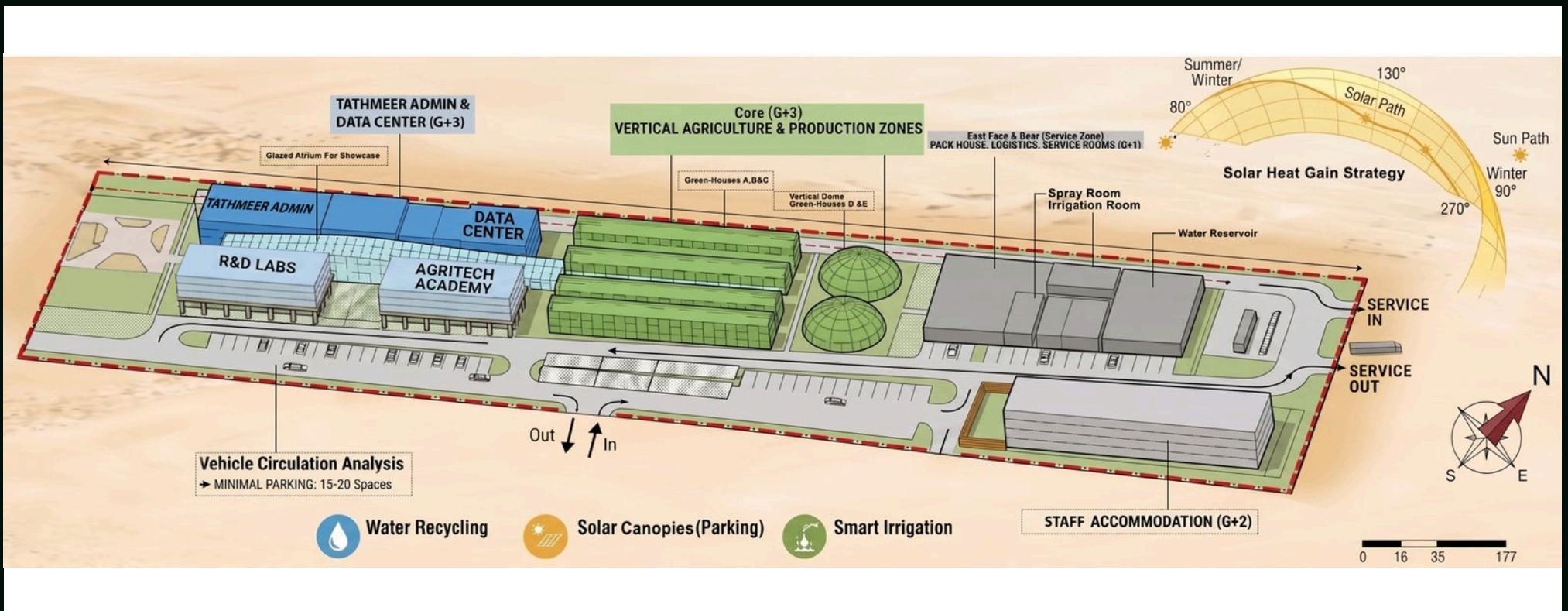
CONCEPTUAL MASTER PLAN

A campus built to operate

Water Recycling

Solar Canopies

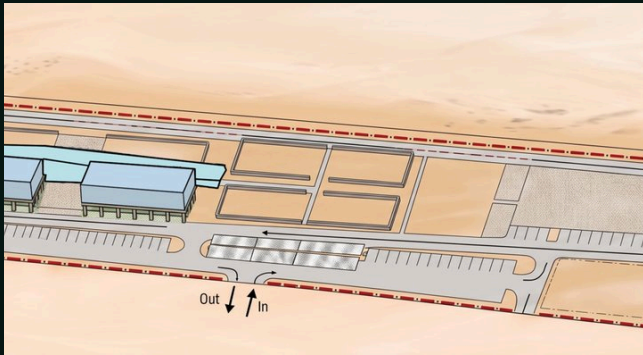
Smart Irrigation



Vertical agriculture and production zones · administration and data centre · R&D labs and AgriTech Academy · greenhouses A–E · pack house and logistics · water reservoir · staff accommodation.

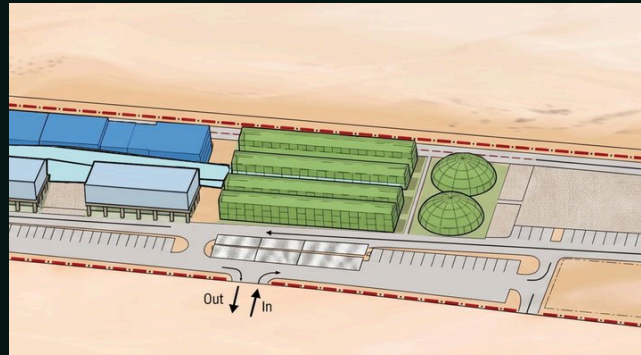
CAMPUS COMPONENTS

How the site builds up



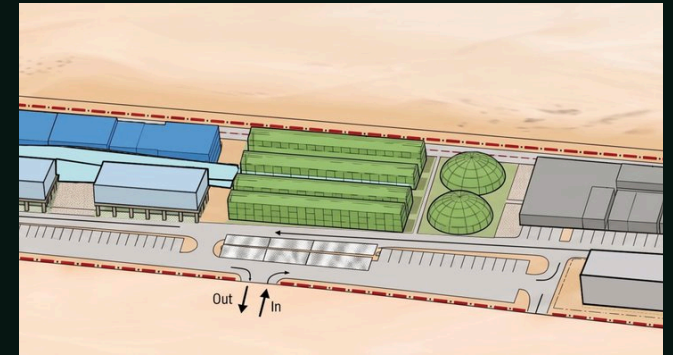
Innovation & Educational Hub

The R&D Centre tests vegetable seed resilience in arid climates; the AgriTech Academy develops the next generation of UAE agricultural leaders around a double-height glazed atrium.



Monitoring Centre

Five modular greenhouses and vertical domes with centralised data intelligence — nutrient delivery, temperature control and yield forecasting in one system.



Support & Accommodation

Pack-house logistics with automated sorting, a large-scale water reservoir for closed-loop irrigation, and on-site housing for essential personnel.

SUSTAINABILITY STRATEGY

Solar canopies and heat-gain optimisation

Solar parking canopies shade vehicles while generating renewable energy that offsets the facility's power consumption. Positioning those structures and optimising building orientation minimises solar heat gain, drastically reducing cooling loads.

- 01 Closed-loop irrigation from an on-site reservoir
- 02 Water recycling across production and packing
- 03 Smart irrigation governed by live farm data

y parking & solar heat gain op

rovide essential vehicle shading while generating renewable energy to offset
y positioning these structures and optimizing building orientation, the design
oling loads.



KEY ACTIVITIES

What Tathmeer does

Controlled Environment Agriculture

Greenhouses, hydroponics and vertical farming used to optimise yield and resource efficiency.

Farming Technologies

Implements hydroponics, vertical farming and Nano Grow Pro systems.

Knowledge Transfer

Conducts workshops, seminars and field training.

Platform Operations

Manages the digital ecosystem and stakeholder integration.

Crowd Funding

Access to funding for farmers through Shariah-compliant, SCA-approved crowdfunding.

Partnerships

Strategic collaborations and ecosystem engagements that boost local food productivity and sustainability.

FOCUS AREAS

Where the work concentrates

Smart Farming

Controlled environment farming for vegetables, flowers and specialty crops.

Platform & Incubation

FarmBridge onboarding, supply chain, and support for agri-startups.

Training Programs

Certification, workshops, technical education, seminars and field training.

Agri-Tech R&D

Pilot projects and validation of innovative agricultural technologies.



BUSINESS MODEL

How the ecosystem sustains itself

01

Revenue Generation

Farm production, FarmBridge onboarding and transactions, training, certification, agri-tech services, consulting, partnerships, and sponsorships.

02

Source of Funding

Internal investment, platform revenue, and strategic or institutional investors supporting growth and expansion.

03

Investment Enablement

Structured access to funding through regulated and Shariah-compliant crowdfunding mechanisms.

Proposition, market and impact

Value Proposition

Tathmeer, first of its kind in the UAE, combines physical infrastructure with a unified digital ecosystem: farming, R&D, training, commercialisation, and stakeholder integration in one model.

Target Market

The platform connects government, academia, private sector, investors, entrepreneurs, SMEs, professionals, supply chain players, and F&B businesses.

Expected Impact

Productivity, technology adoption, supply chain integration, farmer funding, food security, sustainability, and workforce development.

EXECUTIVE LEADERSHIP

Governance, domain expertise and strategic direction



Layth Dwairi

Group CEO & Co-Founder

Among the first to introduce AI and digitalisation into the agricultural ecosystem, coupling environmental stewardship with international business development experience.

Board Member, TechAgro · Co-Founder & COO, Tathmeer Crowdfunding · CEO & Co-Founder, Ultraneous



H.E. Faisal Eissa Lutfi

Partner, Board Member & Co-Founder

A senior Emirati government official and diplomat who has led major digital diplomacy initiatives, including the world's first AI-powered Smart Mission.

Assistant Undersecretary for Consular Affairs, UAE Ministry of Foreign Affairs · Led development of eDAS



Imran Nawaz

Chief Strategy / Finance Officer

Over 18 years of strategic, operational and financial leadership across manufacturing, agriculture, FMCG, healthcare and high-growth startups.

CMA, AFA, MIPA, ASA.CPA, CIPFA · MBA, Business Management and Operations

ADVISORY BOARD

Advisors across sustainability, finance and policy

Thabo Makama

Global Expansion &
International Standards

CEO of TMP Africa; advises multinational corporations and public sector organisations on sustainability.

Khalil Al Eissa

Sustainability & Environmental

Three decades in agriculture and environmental management; 65+ regional and international sustainability projects.

Dr. Hasnan Baber

Strategy, Finance &
Sustainability

Assistant Professor at the American University of Sharjah; ranked in the world's top 2% of scientists, 2022–2025.

Suzanna ElMassah

Economics & Sustainability

A decade of academic leadership integrating sustainability into economic and institutional frameworks.

Dina Dwairi

Women & Youth Empowerment

Youth Representative with the Environmental Stewardship and Action Advisory Committee, City of London.

Jamal Maalouf

Media & Marketing

Associate Professor at the American University of Sharjah; affiliate of Harvard Business School's Institute for Strategy and Competitiveness.

Mohammed Khasawneh

Cybersecurity & IT

23+ years in enterprise-grade security infrastructure and AI-driven cybersecurity innovation.

In discussion

LEADERSHIP STATEMENT

Public sector leadership, deep domain expertise in agriculture, and a clear commitment to innovation and sustainability.

ORGANISATION STRUCTURE

Board and principals over four functions

Board & Principals

H.E. Faisal Eissa Lutfi provides strategic direction, vision and leadership for growth, partnerships and stakeholder relations. Layth Dwairi drives business development, investment strategies and expansion initiatives.

CTO

Technology strategy, platform development and innovation.

- Tech Team
- DevOps Team
- Quality Assurance

COO

Daily operations, process execution and compliance.

- Operations Manager
- Risk & Compliance
- Customer & Vendor Management

CSO

Strategic growth, market positioning and partnerships.

- Marketing & Promotion
- Global Expansion
- Partner & Investor Management

CFO

Financial strategy, planning and controls.

- Accounts
- Payroll
- HR

PARTNERSHIP ECOSYSTEM

Built on a structured partnership ecosystem

- Operational
- In discussion

STRATEGIC & GOVERNMENT

- Sharjah Research Technology & Innovation Park
- National Agriculture Centre (MOCCAE)
- Ministry of Economy — SME Sector
- Sheraa — Sharjah Entrepreneurship Center

GLOBAL AGRI-TECH & EXPANSION

- Canadian Agriculture & Agri-Tech Global Alliance
- DeserTech Ventures
- Elevate Farms

AGRI-TECH

- TechAgro
- H-Eden Group
- Nature LLC
- Noor Nation

TECHNOLOGY

- Tathmeer Crowdfunding LLC
- Ultramous LLC
- Deepfrog.ai

INVESTMENT

- Arada
- Emaar Properties

ACADEMIC

- University of Sharjah — College of Agriculture
- American University of Sharjah
- Western University, Ontario

Relationships marked “In discussion” are in active engagement and not yet contracted.



Join Tathmeer for a Sustainable Future

Tathmeer Agri Tech FZC represents a strategic, scalable, and high-impact initiative, built on a foundation of strong leadership, proven execution capability, and a well-structured partnership ecosystem.

info@tathmeer.ai

+971 52 789 8959

tathmeer.ai

SPARK, Sharjah, United Arab Emirates