REINVENTING AGRICULTURE: AI POWERED, PROFITABLE & OFF-GRID

NeuponicsAI Corporate Presentation

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EXECUTIVE SNAPSHOT

A Transformative Leap in Sustainable Agriculture at significantly lower cost than Vertical Farming

We are not Vertical – Who We Are:

- NeuponicsAI is an AgTech company with a patent-pending “Neuponics” system.
- The first unlimited-scale AgTech solution combining aeroponics, predictive analytics, and AI to tackle global food security.

Market Potential:

- **$31.6B :** global AgTech market.
- **$5.52T :** worldwide agriculture market grows to by **2029** (Statista).

Value Proposition:

- **Significantly** lower cost than Vertical Farming,
- **First year Profitability**.
- **45%** less water usage than hydroponics, **95%** less than traditional farming.
- Fully off-grid capability (air-to-water tech + solar power).
- Scalable franchise model for international expansion.
- Engineered for faster breakeven and reduced CAPEX/OPEX, outpacing other AgTech solutions

Crop Variety:

- **Supports a broader range of produce—including peppers, tomatoes, and other fruiting crops – not just leafy greens & herbs**
- **Engineered** by a founder who is a proven inventor with a track record of solving complex challenges for Fortune 500 companies.

THE PROBLEM: GLOBAL FOOD SECURITY CHALLENGES

Why Traditional Methods Won't Meet Future Demand

Key Drivers:

Population Growth

- World population reaching **9B** by **2050.**
- FAO estimates **60%** increase in agricultural output required.

Resource Scarcity

- Agriculture consumes **70%** of global freshwater.
- Soil depletion and limited arable land impede expansion
- Drawing next-generation innovators to agriculture & advancing global food security.

Climate Change

- Extreme weather, droughts, and flooding disrupt yields.
- Traditional farming faces growing unpredictability and risk.

The Rise of AgTech

- Market poised for swift growth to **$22.5B** by **2025** (Juniper).
- consumers seek resilient, sustainable solutions like NeuponicsAI.

IMPLICATIONS:

- Vertical farming is facing challenges with revenue and scalability. Traditional farming methods are unable to keep pace with demand
- NeuponicsAI's solution eliminates the need for grid-supplied water and energy and uses AI and Predictive science to reduce operational risk..

THE SOLUTION: HOW NEUPONICS TECHNOLOGY SOLVES THE SCALABILITY ISSUES OF SUSTAINABLE AGRICULTURE

Harnessing Air, Solar, AI, and Advanced Aeroponics to succeed where vertical fails

01 WATER FROM AIR

- Solar-powered condensation replaces grid reliance, enabling deployments in water-scarce regions, which significantly increases facility location options. The PURE mineral-free water allows total control of plant nutrition.

02 SOLAR-POWERED OPERATIONS

- Our ultra-efficient design runs entirely on solar, avoiding the high energy costs that undermine competitor margins.

03 INTELLIGENT NUTRIENT DELIVERY

- Our patent-pending system slashes nozzle count from hundreds of thousands to just hundreds, which allows monitoring of each nozzle across unlimited acreage, ensuring peak yields under any conditions.

04 AI & PREDICTIVE ANALYTICS

- A robust sensor suite with AI analytics maximizes equipment performance, greenhouse efficiency, and crop growth.
- AI scheduling proactively minimizes downtime, preventing crop losses and operational disruptions.

OUTCOME

- Achieve significantly higher yields than typical aeroponic/hydroponic systems while reducing costs for immediate profitability.
- A system purpose-built to serve both local communities and meet worldwide food demand.

HOW NEUPONICS WORKS

Harnessing Solar Air, AI, and the first Advanced Scalable Aeroponics

CORE PRINCIPLES

Unique Off-Grid Water & Power design:

- Specialized condensers extract PURE water from ambient humidity.
- Solar PV panels supply all required electricity.

Intelligent Nutrient Misting:

- Patent-pending nozzle system precisely delivers nutrients to suspended roots.
- Adjustable particle size & timing sequences to maximize root mass development.

AI & Predictive Maintenance:

- 24/7 monitoring of pH, CO2, humidity, and root-zone oxygen.
- Early failure alerts reduce downtime and prevent crop losses.

EXAMPLE WORKFLOW

Seedlings Loaded:

- Roots remain suspended in aeroponic chambers.
- AI calibrates initial nutrient concentration.

Growth Phase:

- Automated misting cycles & climate controls.
- Data-driven adjustments for optimal light, temperature, and humidity.

Harvest & Replenish:

- Robotics aid in picking and reloading new plants.
- Real-time analytics track yield, enabling continuous process improvements.

BENEFITS AT A GLANCE

- **45%** less water than hydroponics; **~95%** less than traditional farming
- Consistent, high-yield harvests
- Fully adaptable to diverse crops, from leafy greens to tomatoes, peppers, and beyond
- Lower operating expenses due to predictive maintenance and off-grid energy
- Patent-pending design cuts nozzle count while individually tracking peak performance.

VISION, INNOVATION & DEVELOPMENT

Driving Future-Ready Agriculture Through AI Optimization, Predictive Science & Robotics

INNOVATION PILLARS

01

AI & Predictive Analytics:

- Real-time sensor data to optimize yield and detect maintenance needs.
- Predictive algorithms to intercept failures before they harm crops.

02

Robotics Integration:

- Practical, cost-effective automation to reduce labor and improve consistency.
- Automated crop handling, root inspection, and nutrient delivery.

03

Scalability & Cost Efficiency:

- Systems designed for profitable large-scale deployment.
- Franchise model accelerates expansion with minimal direct CapEx and Opex.

OUR VISION

NeuponicsAI aims to solve three critical challenges in agriculture:

- Climate vulnerability (droughts, extreme weather, limited land)
- Resource constraints (freshwater scarcity, high energy dependence)
- Solves the agtech scalability shortfalls of competitive technologies

Through continual R&D, we strive to revolutionize food production with reduced environmental impact, higher yields, and global scalability.

CONTINUOUS DEVELOPMENT

Our roadmap includes:

- Outdoor Neuponics prototypes for fruit-bearing trees.
- Hybrid organic certification (aeroponics + microbials).
- AI-driven expansions into new crops (avocados, coffee, and more).

KEY DIFFERENTIATORS

What Sets NeuponicsAI Apart from Other AgTech Solutions

AI & PREDICTIVE MAINTENANCE

- Unlike typical hydroponic or aeroponic methods, NeuponicsAI is the world's first unlimited-scale aeroponic system that harnesses AI and predictive analytics to deliver early profitability and continuously increasing efficiency.

OFF-GRID WATER & ENERGY

- Condensed air-to-water technology, removing municipal water dependency.
- Fully solar-powered operations, eliminating high energy bills and cutting carbon footprint.

NOT JUST LEAFY GREENS

- Competitors mainly focus on lettuce or herbs. NeuponicsAI's advanced root- growth manipulation supports a wider range of crops (tomatoes, peppers, etc.).

HYBRID ORGANIC CERTIFICATION POTENTIAL

- The system fosters beneficial microbial colonies in a closed-loop environment that could meet USDA organic standards – a rare achievement in aeroponics.

SCALABILITY & PROFITABILITY

- LOWER COST than vertical farming
- Franchise model accelerates deployment worldwide.
- Renowned for record-breaking yields, yet NOT hindered by the inability to scale effectively.

REVOLUTIONIZING FARMING PROFITABILITY

- By harnessing free sunlight and eliminating grid water usage, NeuponicsAI slashes operating expenses and CapEx, fixing the core profitability issue plaguing vertical farms.

MARKET OPPORTUNITY

Sizing the TAM, SAM, and Neuponics AI's Growth Potential

Global Trends

- FAO estimates a **60%** increase in agricultural output is needed by **2050**.
- Soil depletion, water scarcity, and extreme weather make traditional farming methods unsustainable for large-scale expansion.

AgTech MARKET

- Rapidly expanding category with high B2interest.
- Projected **$22.5B** segment growth in AgTech alone by **2025** (Juniper Research).

IN HIGH-DEMAND CROPS

- Fast growth in fresh produce categories (tomatoes, peppers, berries, herbs).
- Urbanization driving local, pesticide-free and organic produce demand.

TARGETING 10% MARKET SHARE

- NeuponicsAI's competitive edge: proprietary, AI-driven aeroponics.
- Robust franchise/licensing model accelerates uptake in **40+** countries.

WHY NEUPONICSAI WINS

- 24/7 Expert Monitoring
- Immediate Profitability
- Off-grid resource Independence, free of grid water and electricity and associated profit-robbing costs.
- Multi-Crop Flexibility
- Minimal Overhead

COMPETITIVE LANDSCAPE

Positioning NeuponicsAI Against Emerging AgTech Innovators

MAJOR PLAYERS IN AGTECH

OISHII FARM (Funding: $184m)

- Specializes in indoor vertical farming to grow high-quality strawberries and produce. Uses ~50 state-of-the-art robots for automated growing and harvesting.

ROBOVISION (Funding: $60.7m)

- Developed a for managing AI-based vision systems in agriculture. Leverages 3D deep learning to modernize the industry.

SENCROP (Funding $30m)

- A micro-climate technology company providing weather station tech. Helps farmers reduce environmental crop risks with real-time data for 20,000+ customers

AUGMENTA (Funding: $11.2 m)

- Precision agriculture solutions for farmers and agricultural companies. Offers field analysis, fleet monitoring, and analytics to improve crop yield.

NEUPONICSAI'S ADVANTAGE

- **Off-Grid Capability:** No direct water from the grid and fully solar-powered
- **Predictive Maintenance:** AI-driven alerts to prevent downtime; unique among competitors
- **Multi-Crop Flexibility:** Grows beyond leafy greens (tomatoes, peppers, etc.) for higher revenue potential
- **Scalable Franchise Model:** Faster market penetration with shared CapEx burden
- NeuponicsAI employs digital twin technology for real-time optimization and instant alerting.

WHY IT MATTERS

- Most rivals raise vast sums with no real path to profit, failing to deliver true off-grid water, zero electricity costs, or broad crop versatility
- NeuponicsAI’s robust franchise model, combined with AI-driven optimization, delivers cost-effective scaling and constant system

BUSINESS MODEL & REVENUE STREAMS

Produce, Licensing & AI: A Triple-Stream Approach

FRANCHISE MODEL

- Partners finance greenhouse construction & day-to-day operations
- NeuponicsAI provides proprietary tech, AI, and expertise
- **Revenue Share:** Company collects portion of produce sales + licensing fees
- **High Profit Margin:** Up to **80%** conversion to profit, given lower water/energy costs

REVENUE STREAMS

- **Produce Sales (70% of revenue):** NeuponicsAI's share from franchise and owned facilities
- **Licensing & Franchise Fees (20%):** Annual franchise fees, technology licensing, ongoing subscriptions
- **Consulting & AI Solutions (10%):** Robotics integration, predictive maintenance consulting, AI-driven data services

LONG-TERM SCALABILITY

- **Low CAPEX & OPEX for NeuponicsAI:** Franchise partners carry main facility costs
- **Global Expansion:** Targeting **40+** countries by **2030**
- **Future Upgrades:** Outdoor Neuponics, fruit-bearing trees, coffee, and advanced AI analytics

COST STRUCTURE & CAPEX

Efficient Operations and Targeted Capital Deployment

ONGOING OPERATIONAL EXPENSES

1. Overhead (Approx. up to 35% in 2nd year)

- AI software and licensing
- Project management and process engineering
- General admin and utilities

2. Salaries & Employment

Executive leadership & engineering staff

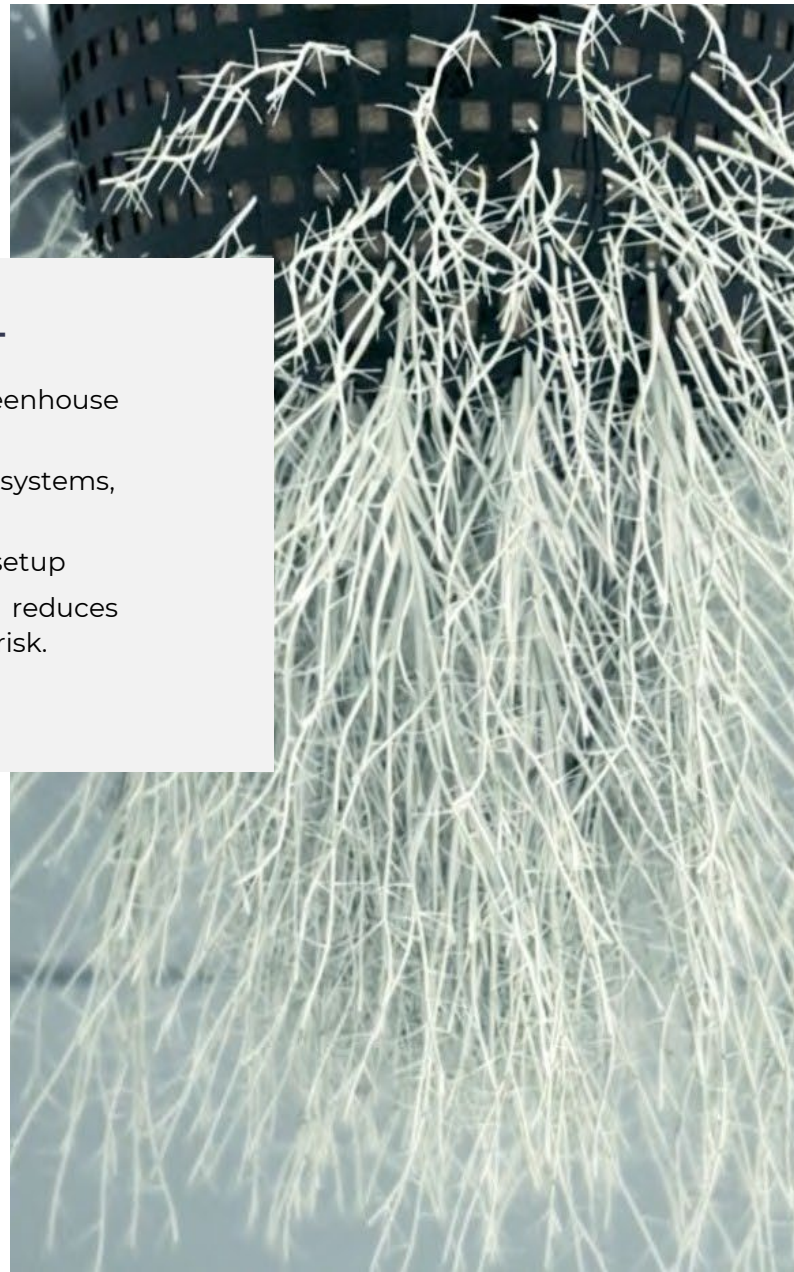
- IT/AI development and marketing teams
- Administrative and consulting personnel

FRANCHISE MODEL IMPACT

- Franchise partners finance most greenhouse build-out
- NeuponicsAI invests in core tech, AI systems, and training
- Minimizes direct CapEx after initial setup
- Accelerates worldwide deployment, reduces capital exposure and lowers capital risk.

COST-EFFICIENCY & SCALABILITY

- No grid water or power overhead
- Predictive analytics reduce maintenance disruptions
- High yields offset cost of advanced systems
- Profit margins scale with each additional franchise agreement



FRANCHISE MODEL & PARTNERSHIPS

Accelerating Global Expansion with Minimal Direct CapEx

FRANCHISE STRUCTURE

1. Franchise Agreements:
- Partners invest in greenhouse construction & OPEX
- NeuponicsAI provides technology, AI, and support

2. Revenue Splits:
- NeuponicsAI earns portion of produce sales
- Annual licensing & technology fees
- Consulting/AI subscriptions for advanced services

3. Operator Salaries:
- Paid by franchise, lowering direct payroll burden on NeuponicsAI

PARTNERSHIP CRITERIA

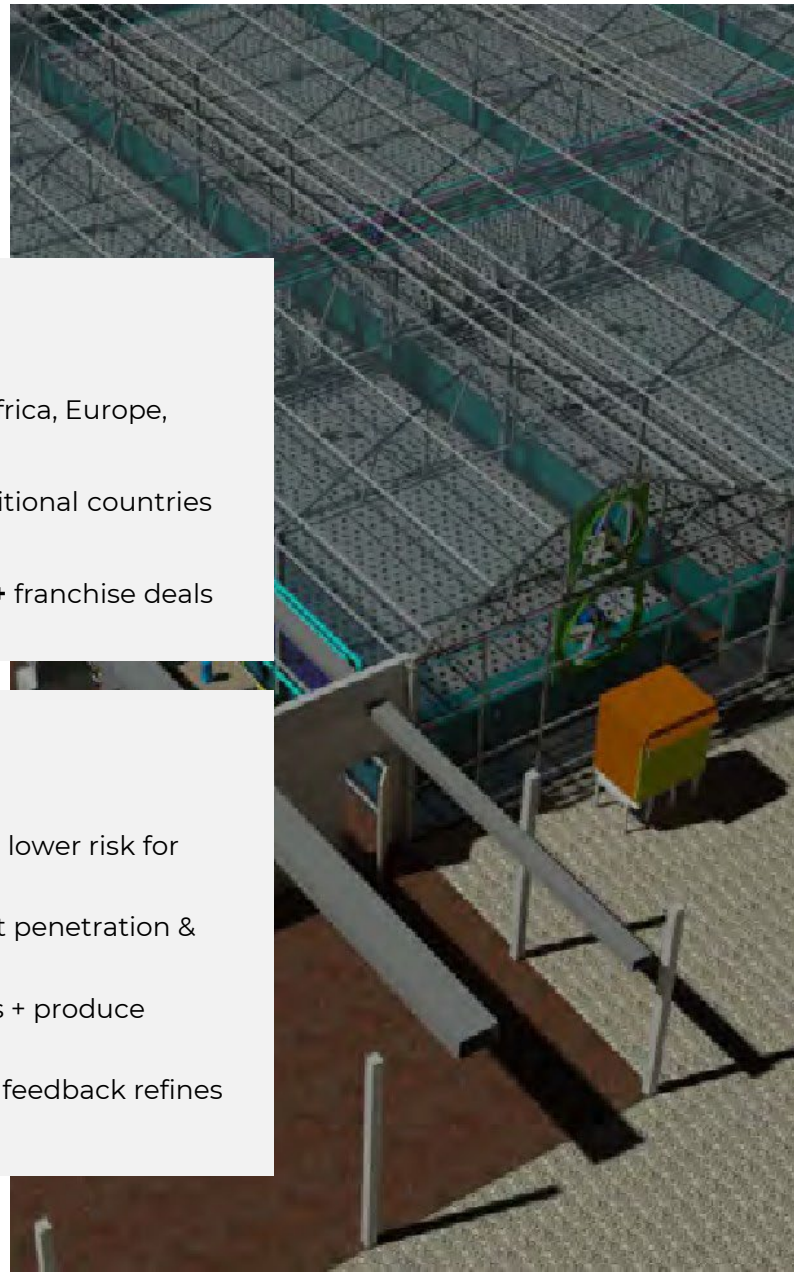
- Established presence in local agriculture or distribution
- Commitment to sustainable, off-grid farming
- Financial capability to fund construction & operating costs
- Alignment with NeuponicsAI's core mission & long-term vision

GLOBAL ROLLOUT PLAN

- **Focus Regions (Years 1-3):** MENA, Africa, Europe, North America, Asia
- **Scale-Up (Years 4-5):** Extend to additional countries once initial sites are proven
- **Target: 40+** countries by **2030** via **7+** franchise deals

ADVANTAGES & BENEFITS

- **Shared CapEx** = Faster deployment, lower risk for NeuponicsAI
- **Local knowledge** = Stronger market penetration & brand acceptance
- **Recurring Revenue** = Licensing fees + produce revenue share + Profit share
- **Continuous Innovation** = Franchise feedback refines AI & technology



OPERATIONAL ROADMAP

Milestones & Deliverables for the Next Five Years

Year 1

- Foundation & Market Research
- Deep-dive into MENA, Africa, Europe, North America, Asia demands
- Establish local partnerships, evaluate potential franchise operators
- Finalize AI integration and seed initial greenhouse facility
- Begin building a 10% market share strategy (ten-year horizon)

Year 2

- Expansion & Brand Building
- Roll out first set of franchise agreements in key regions
- Launch wholly owned flagship facility for brand development
- Collect real-world data to refine AI-based yield optimization
- Boost marketing to highlight sustainability & performance

Year 3

- Scaling & Optimization
- Expand to additional countries, grow the franchise base
- Fine-tune operations with feedback loops from sensors and predictive data
- Prioritize sustainability initiatives: advanced water-saving, solar efficiency
- Aim for a 3% overall market share

Year 4

- Consolidation & Innovation
- Strengthen market position; refine processes to scale up
- Expand R&D for new crop varieties and external partnerships
- Extend brand reach with targeted marketing; consider new revenue streams
- Improve franchise support systems with training and on-site AI upgrades

Year 5

- Achieving Market Share Goals
- Aim to solidify 3% global market share with growing franchise presence
- Maintain high-quality standards; ensure brand trust and customer loyalty
- Prepare roadmap for achieving 10% share by Year 10
- Consolidate lessons learned to fuel continued R&D and commercialization

TECHNOLOGY ROADMAP

R&D Pipeline, Outdoor Neuponics, and AI Enhancements

NEAR-TERM 0–12 MONTHS

Complete AI Integration

- Leverage predictive maintenance for pumps, filters, mixers, compressors, blowers, fans, fluids, electronics, atomizers, triggers, and sensors.

Refine Nutrient Delivery

- Adjust fog particle size & timing for diverse crop types

Patent Fortification

- File additional claims covering robotics, software, and hybrid organics

Data Collection & Analytics

- Expand sensor array to gather more variables, improving yield algorithms

MID-TERM 12–36 MONTHS

Outdoor Neuponics Prototype

- Test feasibility of fruit-bearing trees and evaluate water-saving performance

Advanced Robotics Integration

- Automated pollination, root inspection, and harvesting for lower costs

Hybrid Organic Certification

- Expand microbial colony technology to facilitate USDA organic certification.

LONG-TERM 3-5 YEARS

Global Data Network

- Real-time crop performance data from 40+ countries fueling AI improvements

AI Evolution

- Machine learning for yield forecasting and supply chain optimization

Broader Crop Portfolio

- Scaling coffee, tree nuts, cucumbers, gourds, and specialty crops

Future-Proofing Agriculture

- NeuponicsAI's R&D ensures long-term competitiveness & innovation

Monetizable Data

- AI & analytics can become a separate revenue engine

Continuous Evolution

- Rapid iteration on technology in response to climate, market, and regulatory shifts

MANAGEMENT & ADVISORS

Expertise Driving NeuponicsAI's Breakthroughs

Executive Leadership

Kevin McDoneld (Founder, CEO, CTO, Inventor)

- **25+** years in engineering, NASA & GE consultant
- Multiple patents; developed predictive analytics & AI for offshore O&G
- Spearheads NeuponicsAI's technology, IP strategy, and scaling solutions

Nick Luksha (COO)

- **18+** years in business ownership, capital markets, and franchising
- Expertise in real estate, asset management, and corporate growth
- Oversees day-to-day ops, partnerships, and strategic implementation

Key Contributors

Alex Wells (Marketing)

- Owner of Uptake Creative, 15+ years in brand & design
- Develops digital marketing strategies for business growth

Sully Jacques (Advisor/Consultant)

- **10+** years in investment banking and advisory
- FDA scientist background; global healthcare & biotech experience

Justin Mabanta (Advisor/Consultant)

- **13+** years in capital markets, private equity, and listed ventures
- Focus on tech, mining, resources, and cannabis industries

Key value add

- **Technical Rigor:** In-depth engineering and AI backgrounds ensure robust product development
- **Capital & Scaling Experience:** Proven track record in raising funds and managing public/private ventures
- **Marketing & Operations:** Skilled leadership drives commercialization, brand awareness, and franchise success

RISK FACTORS & MITIGATION

Regulatory, Market, and Operational Strategies

Disclosure:

Category	Risk	Mitigation
Regulatory & Compliance	Uncertainty around aeroponics organic certification; changing USDA or international regulations	Patent-pending hybrid system + continuous R&D to comply with evolving standards
Technology & IP	Potential IP infringement or challenges from larger AgTech players	Regular patent filings; strong legal counsel; AI-based unique functionalities
Market & Competition	Rapid emergence of well-funded vertical farms or hydroponic competitors	Demonstrate the stark contrast between our unlimited-scale, profitable technology and competitors' ongoing profit concerns.
Scaling & Franchise Operations	Over-dependence on franchise partners for global expansion	Thorough due diligence of partners; robust training & support; local-market alignment
Climate & Supply Chain	Extreme weather, supply disruptions for critical components (pumps, sensors)	Diversified suppliers, on-site inventory buffers, self-contained water & energy systems

- All forward-looking statements are subject to uncertainties.
- Past performance or references to similar technologies are no guarantee of NeuponicsAI's future results.

SUSTAINABILITY & IMPACT

Environmental Benefits, Water Conservation & Carbon Footprint

WATER & POWER

- Neuponics uses **95%** less water than traditional farming, **45%** less than hydroponics
- Air-to-water tech suits drought-prone regions, and efficient design enables fully solar-powered operation.

CARBON FOOTPRINT REDUCTION

- Fully solar-powered greenhouses eliminate dependence on fossil fuels
- Localized production means lower food miles, reducing CO2 from transportation
- Eligible for global carbon credits thanks to advanced sustainability protocols.

PESTICIDE-FREE, ORGANIC POTENTIAL

- Closed-loop aeroponics significantly decreases need for chemical inputs
- Patent-pending hybrid system supports beneficial microbes for organic certification

GLOBAL COMMUNITY IMPACT

- Strengthening food security in water-scarce and arid regions
- Empowering local farmers/franchisees with cutting-edge tech
- Potential for social impact programs: training, job creation, and education

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