AIROVIA

DECENTRALIZED WATER INFRASTRUCTURE FROM AIR

PITCH DECK

SCALABLE, MODULAR WATER GENERATION SYSTEMS DELIVERING CLEAN DRINKING WATER ANYWHERE WITHOUT RIVERS, GROUNDWATER, OR DESALINATION.

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AIROVIA Atmospheric Water Infrastructure

AIROVIA is an infrastructure-grade atmospheric water platform designed for government-scale deployment. It enables decentralized water production using ambient air, supported by standardized Air House assets, scalable facility models, and transparent monitoring aligned with public-sector governance requirements.

Built for resilience. Designed for scale. Structured for long-term operations.

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The Global Water Problem

The problem is structural, not temporary

- Over 2 billion people live in water-stressed regions
- Climate change is reducing groundwater recharge and rainfall reliability
- Desalination is:
  - Capital intensive
  - Energy hungry
  - Centralized and vulnerable
- Water trucking and bottled water are unsustainable and expensive

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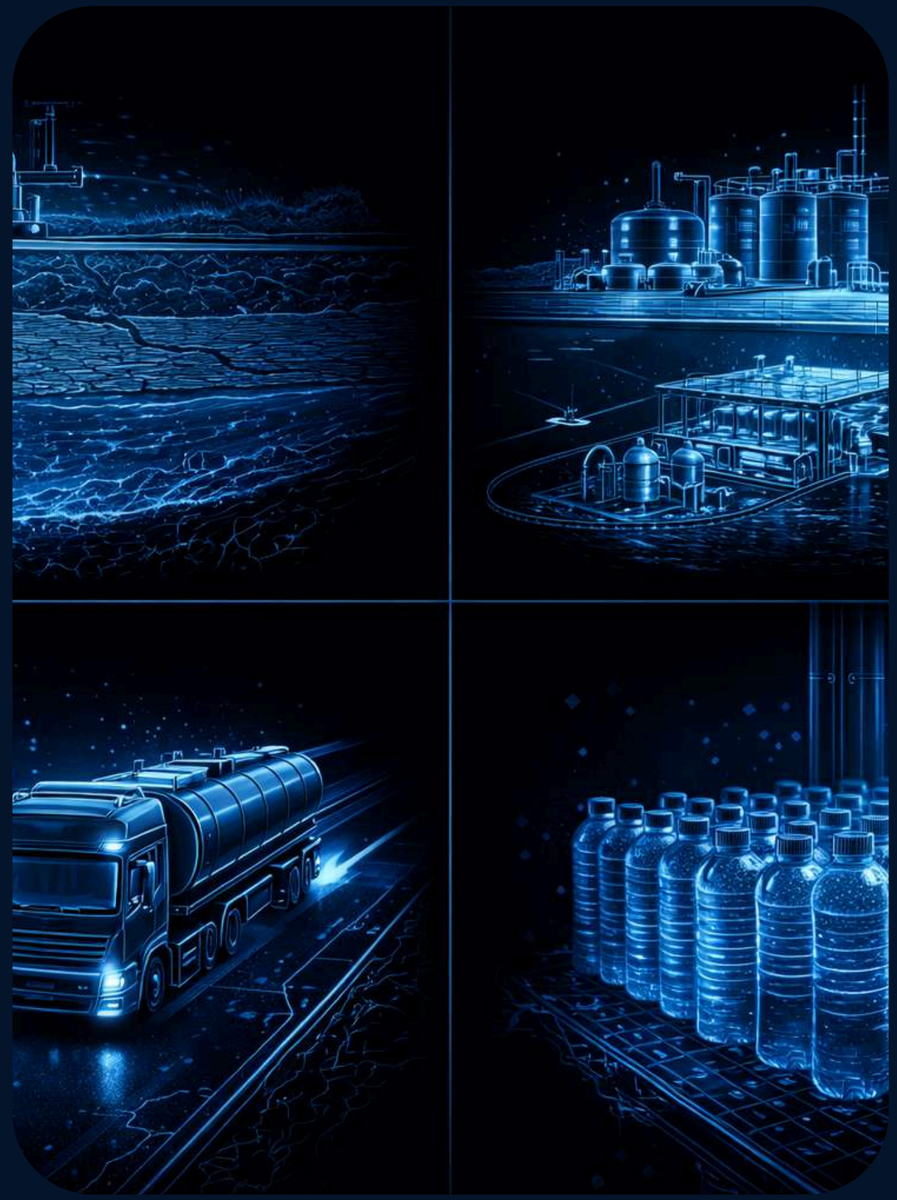

Why Existing Solutions Fail

Solution	Core Limitation
Groundwater	Depletion, contamination, political risk
Desalination	High CAPEX, brine discharge, coastal dependency
Water transport	Expensive, fragile, not scalable
Bottled water	Logistically and environmentally unsustainable

The AIROVIA Solution

Water Infrastructure Built on Air

AIROVIA creates clean drinking water directly from atmospheric humidity using a fully integrated system.

What makes AIROVIA different:

- Does not rely on:
  - Rivers
  - Groundwater
  - Desalination plants
- Works anywhere humidity exists
- Fully modular and scalable

What Is the Air House?

A self-contained, autonomous water plant that produces water from the air from thousands to tens of thousands of liters per day per unit, scalable through clustering.

The AIROVIA Air House

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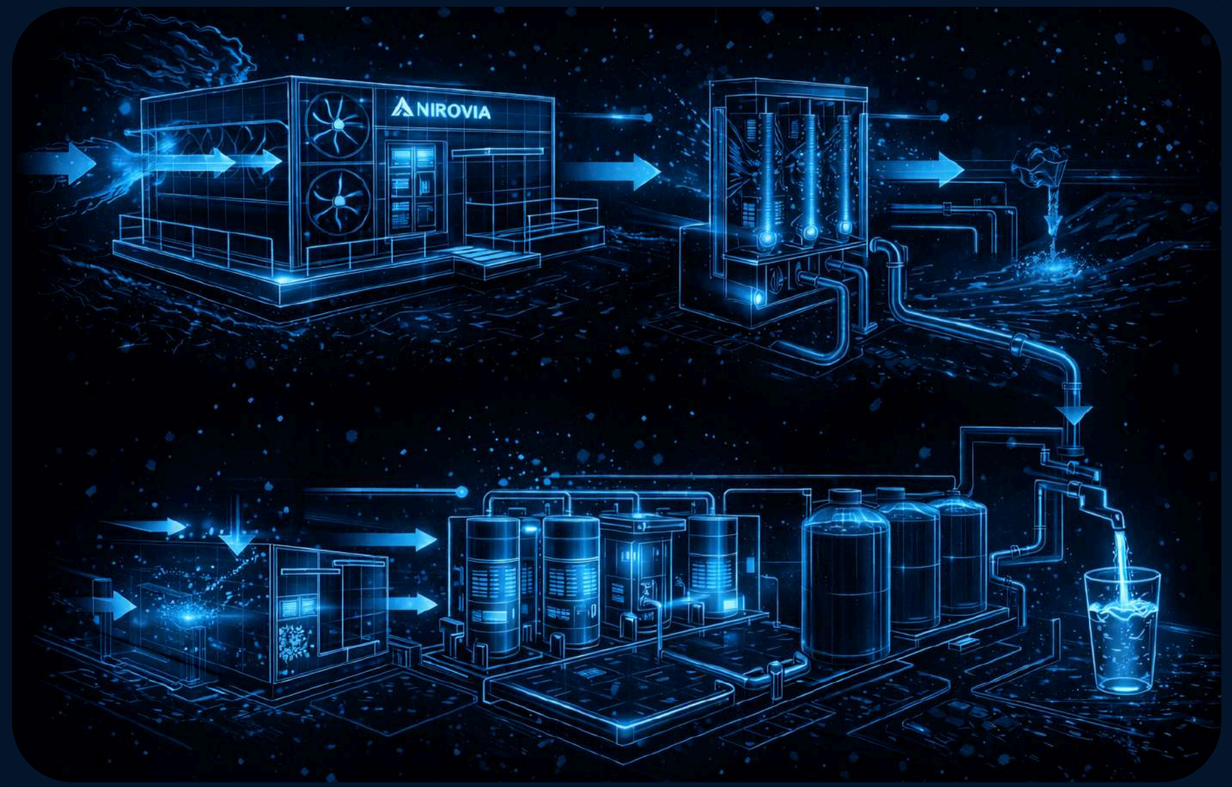

How AIROVIA Air House Works

1. Air intake and filtration
2. Moisture capture and condensation
3. Water extraction
4. Multi-stage purification
5. Mineral balancing
6. Storage and distribution

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Energy & Infrastructure Efficiency

AIROVIA is designed for continuous, infrastructure-grade operation with a predictable and optimizable energy profile.

Key Principles

- Electrically powered atmospheric water generation
- Designed for 24/7 operation
- Optimized for stable load, not peak demand

Energy Strategy

- Compatible with grid, hybrid, or renewable power sources
- Modular energy scaling aligned with Air House capacity
- No dependency on centralized energy infrastructure

Operational Impact

- Energy consumption is a primary design parameter, monitored and optimized in real time
- Predictable operating costs suitable for government and utility planning

Energy performance improves through system optimization, site selection, and operational intelligence.

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Modular & Scalable Infrastructure

AIROVIA scales by replication, not complexity

- Single Air House → localized supply
- Multiple Air Houses → village, city, or industrial clusters
- Central monitoring → full fleet control

Scales from:

- Emergency response
- Remote communities
- Industrial sites
- Municipal supply augmentation

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The AIROVIA Plant

Key Infrastructure Components

Air House Clusters

- Independent atmospheric water generation units
- Operate autonomously or as part of a cluster
- Redundant by design — no single point of failure

Central Water Management Core

- Shared storage and balancing tanks
- Unified post-treatment and quality control
- Centralized monitoring and control interfaces

Interconnection & Distribution Network

- Above-ground piping for accessibility and maintenance
- Designed for utility-grade integration
- Supports phased capacity expansion

Service & Access Zones

- Clear maintenance corridors
- Safe equipment access without plant shutdown
- Optimized for long-term operations

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Technology & Intelligence Layer

Beyond hardware

AIROVIA integrates:

- Smart sensors and telemetry
- Performance monitoring
- Predictive maintenance
- Environmental optimization

Result:

- Higher uptime
- Lower operating cost
- Infrastructure-grade reliability

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Use Cases

Who AIROVIA serves

- Governments & municipalities
- Remote or off-grid communities
- Industrial and mining sites
- Agriculture and controlled farming
- Disaster relief & humanitarian deployments

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Market Opportunity

Water is a trillion-dollar problem

- Global water infrastructure spend: $1T+ annually
- Atmospheric water generation is under-penetrated
- Governments are actively seeking:
  - Climate-resilient solutions
  - Decentralized systems
  - Rapid deployment models

AIROVIA sits at the intersection of:

- Water
- Climate resilience
- Infrastructure modernization

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Business Model

Infrastructure Systems Supply

- Sale of AIROVIA Air House units as critical water infrastructure
- Delivered as:
  - Standalone systems
  - Multi-unit clusters
  - Regional deployments

Deployment, Engineering & Integration

- Site assessment & environmental analysis
- Infrastructure integration with:
  - Power systems
  - Distribution networks
  - Existing utilities
- Commissioning & operational handover

Long-Term Operations & Support Contracts

- Preventive maintenance
- Performance optimization
- System upgrades & lifecycle management

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Competitive Positioning

Factor	AIROVIA	Desalination	Water Transport
Location dependency	❌	✅	❌
Environmental impact	Low	High	High
Deployment speed	Fast	Slow	Medium
Scalability	Modular	Centralized	Limited

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Why Now

- Climate volatility accelerating
- Water stress becoming geopolitical
- Governments funding resilient infrastructure
- Technology maturity reached

Timing is not optional — it’s urgent.

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AIROVIA Vision

AIROVIA’s long-term vision

To become:

- A global atmospheric water infrastructure platform
- Deployed across water-stressed regions worldwide
- A core pillar of climate-resilient water supply

Clean water — independent of geography.

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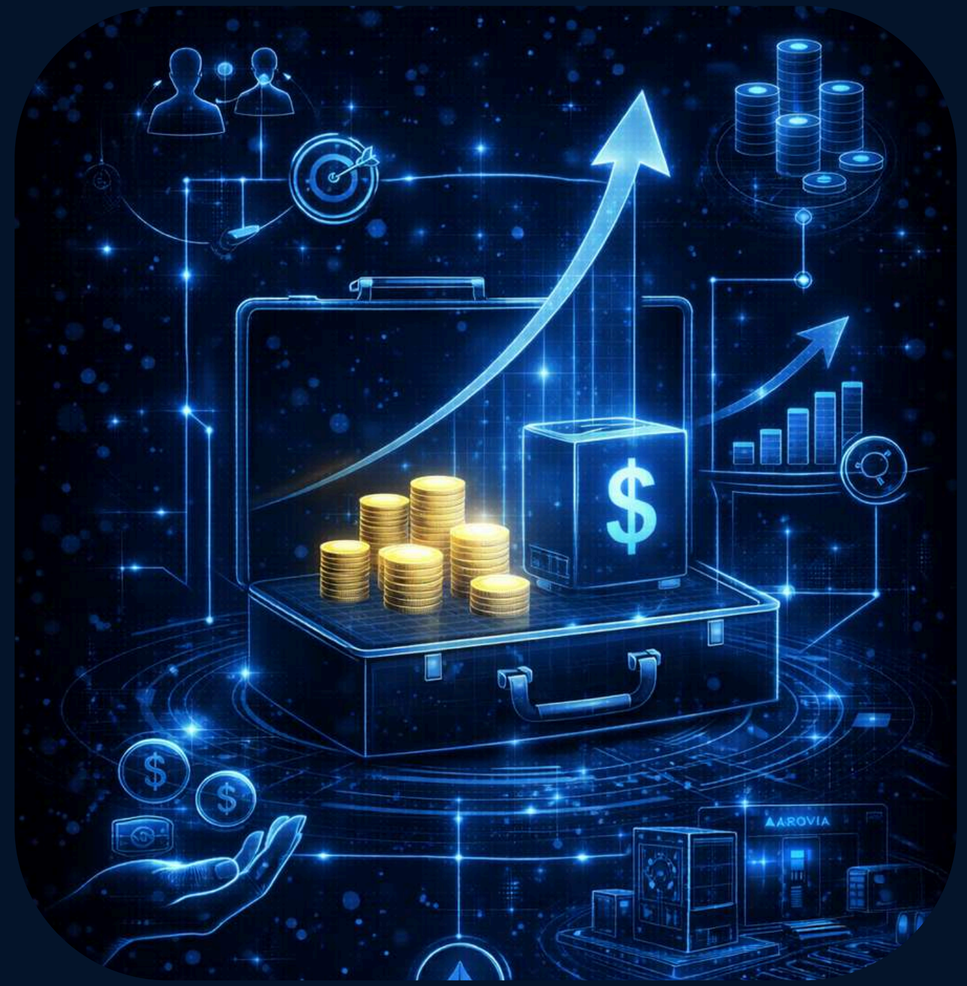
Investment Ask

AIROVIA is raising **$500,000** to deploy its first Air House and operate the company for **12 months**, positioning AIROVIA for government-scale infrastructure contracts.



Allocation Breakdown

- Air House Deployment — 24%
- Team & Salaries — 36%
- Ops & Engagement — 12%
- Legal & Setup — 8%
- Contingency — 20%

This raise funds a single operational Air House and 12 months of execution, enabling AIROVIA to secure government pilots, infrastructure MoUs, and seed-stage or project-finance capital.

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Valuation & Equity Structure

AIROVIA is raising $500,000 to deploy its first Air House and execute a 12-month infrastructure validation phase.

Round Type: **Pre-Seed**

Item	Value
Capital Raised	**$500,000**
Pre-Money Valuation	**$4.5M**
Post-Money Valuation	**$5.0M**
Equity Offered	**10%**

Valuation reflects infrastructure deployment risk reduction rather than revenue scale.

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Leadership & Execution Framework

Samer Barazi

Founder

Technology-focused entrepreneur with 18+ years of experience in technology, systems execution, and sustainability-driven projects. Leading AIROVIA's vision, partnerships, and deployment strategy.

Execution & Advisory Capabilities

Technical & Engineering Expertise
Atmospheric systems • Industrial design • Water treatment & regulatory compliance

Public-Sector & Utility Engagement
Government procurement • Utility partnerships • Infrastructure finance

Manufacturing & Operations Partners
OEM manufacturing • Installation & commissioning • Long-term operational support

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THANK YOU

AIROVIA is not a device.
It is infrastructure.

Water, wherever air exists.

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AIROVIA OÜ — EU-based company (Estonia)

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