



AERISIO Ltd
Business ID FI36176024
Patents pending

AERISIO™

Fast, smart, modular urban cooling for
heat-resilient properties and cities.

FLUIDRA
Manufacturing partner

**Siemens
Financial Services**
Leasing partner in Finland

**NORDIC
PROPTECH
AWARDS 2026**
Finalist



Abigail Mela
Co-Founder & CMO
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Meet the senior team behind AERISIO.



 Martti Mela — CEO 

- Award-winning proptech/contech founder
- +15 years in software, incl. Nokia R&D
- 2 patents, MSc (Engineering), MA (Media)



 Dr. Juha Hartikainen — CTO 

- ex-COO @ NordFuel/R&D @ Borealis
- +20 years in material industrial process
- 7 patents, PhD (Materials Chemistry)



 Abigail Mela — CMO 

- ex-Brand @ One Click LCA/ResearchGate
- 15 years in tech and built environment
- Brand & Business Development, MFA



 Urko Cantalapiedra — Commercial Director 

- ex-CCO @ Veltium EV charging stations
- €30M P&L responsibility MediaMarkt
- +20 years sales experience, MBA



 Anni Hönice — Advisor 

- ex-Head, [DekaBank](#) | MD, [GII Dubai](#)
- +30 years in real estate lending



 Panu Pasanen — Advisor 

- CEO & Founder, [One Click LCA](#)
- +20 years climate technology



AERISIO
FLUIDRA

Ciutat de les Arts i les Ciències | València Jardín del Turia



AERISIO FLUIDRA

Ciutat de les Arts i les Ciències | València Jardín del Turia



Urban heat is impacting civic vitality and asset performance. Can you adapt fast enough?

Heat seasons hurt foot traffic, dwell time, commerce.

Urban heat islands limit how people experience plazas and commercial hubs, reducing engagement and economic activity.

Traditional cooling placemaking is slow to implement.

Traditional outdoor cooling solutions can be slow, leaving asset performance exposed across multiple heat seasons.

Traditional cooling placemaking works. But it is slow, expensive, and disruptive.

Sundance Square in Dallas, Texas

Example of a traditional water feature

↑20%
Retail sales

↑10X
Event attendance

↑5%
Residential prices

\$13M
Plaza cost**

30%
Budget on
design

+5 YEARS
Planning to
deployment

18 MONTHS
Construction
dead zone



*Case study featured in Urban Land Institute report, [SCORCHED: Extreme Heat and Real Estate](#).

**Project cost sources: Urban Land Institute [report](#), [TCU 360](#), [Fort Worth Business](#), [The Projects Group](#), [FMG Design](#).



AERISIO replaces traditional cooling placemaking projects with fast, scalable products.

~~Costly engineering~~

~~Building permits~~

~~Excavation and groundworks~~

~~Construction downtime~~



The AERISIO Oasis™ is a smart, custom fountain product delivered 15x faster than a traditional fountain project.

It is installed on any site in days. No excavation. No construction.

*Patent pending (FI 20267073) for AERISIO's modular above-ground walkable water feature system with integrated water management, safety control, and thermal conditioning.

AERISIO

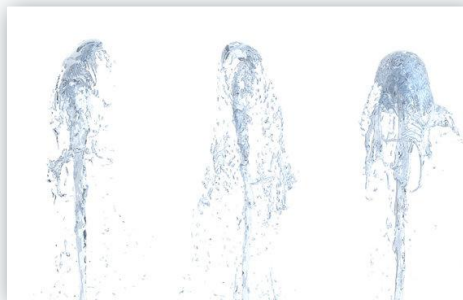
We deliver quality by design.

Safe



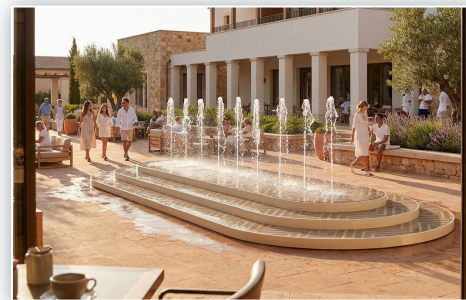
- Non-slip high-traffic surface
- Safe for children to play
- CE certified components

Healthy



- Pool-grade water treatment system
- Real-time water monitoring
- Automatic chemical control

Sustainable



- Up to 95% water recirculation
- Low energy use (€6-€12/day)*
- Reduced CO₂ footprint**

Energy consumption for 16 pumps is 30-60 kWh per day | Assume local energy costs are ~0,20 €/kWh | 6-12 €/day electricity cost.

**CO₂ emissions calculation comparison to comparable permanent civil engineering fountain project requiring excavation, concrete foundation.



Our proprietary engineering software automates custom Oasis design from months to minutes.



Shape.

- Triangle, pentagon
- Rectangle, square
- Other polygons



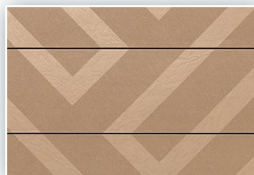
Jets.

- Basic, 8 jets
- Standard, 16 jets
- Premium, 32 jets



Size.

- Height
- Length x width
- Total m²



Surface.

- No-slip for all
- 10s of colors
- 100s of patterns



Style.

- Water dance
- Water height
- Water jet types

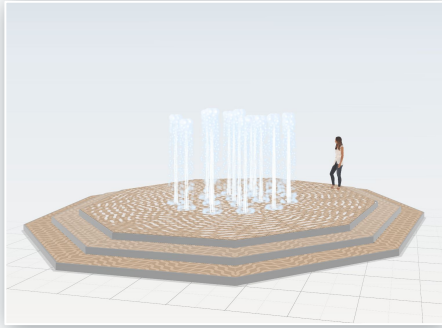


Lighting.

- Fountain LED lights
- Illuminated steps
- Custom light show

Our European supply chain manufactures your custom Oasis product in weeks.

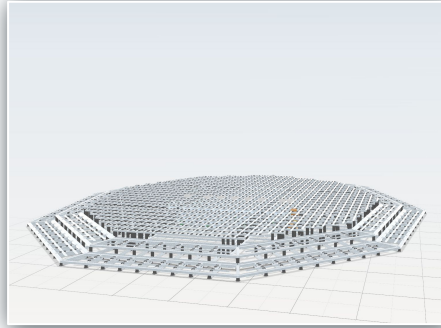
Custom design



Precision-engineered in Finland, patent pending tech.



Factory production



English, Spanish, and Finnish industrial supply chain partners.



Tested and shipped



Produced, assembled, tested, and delivered by our strategic partner FLUIDRA (IBEX-35).

Installation requires only three simple connections.

- Onsite installation in 2-5 days.
- Nearby water, drain, and power only.
- AERISIO LINEA™ conceals service lines.
- Surface-safe, above-ground installation.
- Fully reversible routing.
- Can also be installed with water and electricity routing underground.





AERISIO WAVE™ intelligence powers and maintains the Oasis.

- Automated water quality & pH monitoring
- Real-time temperature & safety sensing
- Autonomous offline operation
- Remote diagnostics to increase uptime
- Programmable lighting & music

*Patents pending (FI 20267073, FI 20267110).

AERISIO

Oasis uptime and performance with full-service maintenance.

Your annual service includes:

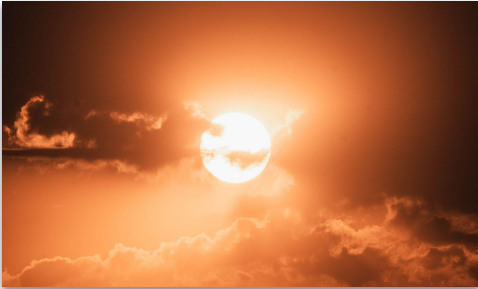
- Regulatory water quality testing
- Continuous remote monitoring
- Regular in-person service checks
- Cleaning of system and surface
- Components replacements
- Water treatment updates

*Regulatory water quality testing includes laboratory analysis of water on regular basis.



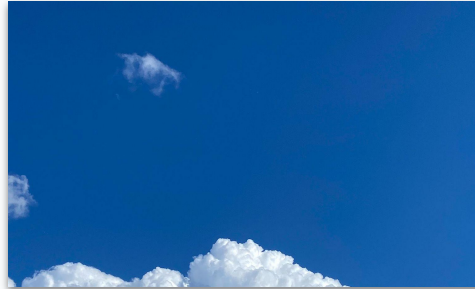
The Oasis supports ESG and Taxonomy.

Climate adaptation



- Heat relief and urban cooling.
- Protects assets from heat risk.
- Sensors provide impact data.

Carbon reduction



- Reduced embodied carbon.*
- Avoided Scope 3 emissions.**
- No excavation or concrete foundation.

Resource efficiency



- Up to 95% water recirculation efficiency.
- Low-energy pump systems.
- Smart, automated utility efficiency.

*CO2 emissions comparison to comparable permanent civil engineering fountain project requiring excavation and concrete foundation.

**Construction materials and processes typically sit within a property owner's Scope 3 value-chain emissions; comparison to a civil engineering fountain requiring excavation and concrete foundation.



The AERISIO Oasis delivers commercial and civic benefit for real estate and cities.

- ↑ Asset value.
- ↑ Leasing attractiveness.
- ↑ Dwell time.
- ↑ Retail revenue.
- ↑ Civic pride.

*Patents pending (FI 20267073, FI 20267110).

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Fast cooling placemaking. Flexible capital structure.

CAPEX | Asset purchase

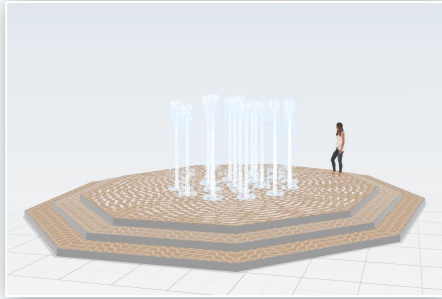
- One-time capital investment
- Simple payment schedule
- Plus maintenance agreement

OPEX | Oasis-as-a-Service

- Leasing agreement
- No upfront investment
- Managed maintenance

There are three simple steps to your Oasis.

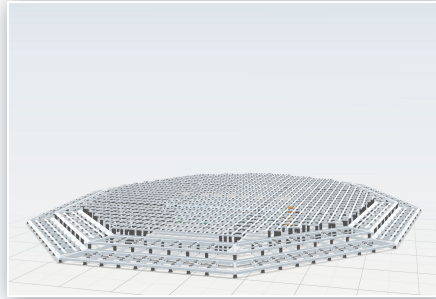
Design



- Choose site & parameters
- Automated design & offer
- Sign product pre-order*

*Non-binding

Order



- Select CAPEX or OPEX
- Sign product order form*
- Standard delivery terms

*Binding, simple payment structure

Activation



- Custom manufacturing
- Onsite installation
- Operation and maintenance*

*Maintenance incl. in OPEX, optional in CAPEX

Confirming your Oasis

01 Sign non-binding pre-order

Prioritizes your place in manufacturing queue and confirms you're ready to move forward.

02 Final design & binding offer

AERISIO produces your engineering-grade configuration and a binding purchase offer.

03 Purchase order and first payment

Confirms your manufacturing slot, installation, and deployment schedule.





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Appendix

AERISIO

Fast, smart, modular urban cooling



Adding an Oasis can help support your certification goals.

- Climate resilience | Heat-risk reduction evidence
- Water efficiency | Up to 95%+ recirculation
- Biodiversity | Landscape and ecology
- Embodied carbon* | Vs. traditional construction
- European manufacturing | Production traceability
- Occupant wellbeing | Cooled outdoor space

**Comparison to a permanent civil engineering fountain requiring excavation and concrete foundation. We provide the data. Your team compiles the submission.

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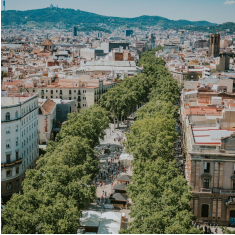
Complementary solutions for outdoor thermal comfort.



Permanent civil works

- Traditional fountains are beautiful and high-impact but slow and capital-intensive.
- Projects typically involve 2-5 year design and construction cycles, with disruptive construction dead zones.
- They additionally carry the risk of the static infrastructure becoming a stranded asset if urban pedestrian flows shift.

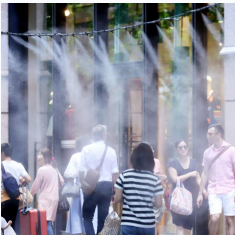
→ AERISIO advantage: High-impact cooling configured in seconds and installed in days. Modularity gives redeployment options.



Green infrastructure

1. Tree canopies are essential for urban resilience, but require years before delivering thermal relief.
2. Requires significant civil engineering costs for urban subterrain, and a 10-year growth cycle before delivering impact.
3. Because cooling impact is delayed, assets and urban areas are exposed across multiple heat seasons.

→ AERISIO advantage: Immediate ambient cooling from first deployment — no waiting seasons.



Misters & shade sails

1. These products can be fast to deploy, but offer limited architectural value and placemaking prestige.
2. Misters also carry the risk of wetting pedestrians or merchandise, disrupting food and beverage, and retail.
3. Misters offer functional relief, but without the landmark aesthetic to revitalize premium assets or high-traffic areas.

→ AERISIO advantage: Landmark-quality design with full placemaking and prestige impact.

Find research on localized water cooling.

Ambient temperature reduction	Physiological relief	Resilience
Active water features reduce local air temperature from 0.7°C to 5°C through evaporative cooling.	Evaporative heat exchange reduces one's felt temperature (PET) up to 4.6°C (e.g. Valencia study) fountains, depending on temperature.	High-quality blue infrastructure (e.g. fountains) is documented to increase property value and attract investment.
Droplet fragmentation from water fountains increases surface area, cooling surrounding air layer.	Direct engagement with a water-based 'cooling dome' lowers human thermal stress more effectively than just passive shade.	Well-planned water features help maintain and stimulate property attractiveness and economic activity, mitigating devaluation.
Cool air sinks, hot air rises, so that fountains increase thermal comfort in immediate microclimate.	Interactive water features reduce thermal discomfort threshold, encouraging footfall and dwell time otherwise lost to high-heat.	Integrated cooling (nature-based cooling e.g. water and blue-green infra) qualifies as climate change adaptation under EU Taxonomy.

Referents and resources for additional reading:

1. [EU Climate Adapt: Using water to cope with heat waves in cities](#) (Explains how moving water combined with air stimulates evaporation and heat transport for a cooling effect)
2. [Urban Land Institute: SCORCHED: Extreme Heat and Real Estate](#) (Documented evidence of blue infrastructure reducing ambient temperatures and protecting asset foot traffic)
3. [Elsevier Building and Environment: Evaluating cooling effect in urban environments](#) (How urban greenery and fountains effectively mitigate the urban heat island (UHI) effect.)
4. [Urban Blue Green Grids: Reducing heat with water](#) (Explores various uses of urban water systems, including still water, misting, and fountains to promote urban cooling.)
5. [JLL: The Climate Inflection Point: Risk, Resilience, and Adaptation](#) (Identifies water feature solutions to protect asset liquidity and prevent loss caused by extreme heat events.)
6. [JLL: How natural capital is shaping real estate](#) (Why valuing nature is becoming a core driver of real estate investment, resilience and long-term returns)
7. [EU Taxonomy: European law overview](#) (Climate adaptation is 1 of 6 stated environmental objectives — see further alignment in Articles 2.6, 9.b, 11.1-6, 17.1b)















The Oasis is Instagrammable throughout the year.



- In the cooler months, the AERISIO Oasis is easily winterized by emptying the tanks and turning off the water line.
- The winterized version of the AERISIO Oasis maintains placemaking value, attracting desired footfall and dwell time.
- We provide a geodesic glass dome, programmed with seasonal holograms for Halloween, Christmas, Valentine's, and Easter.
- Instagrammable activations generate social content and organic reach for a brand.