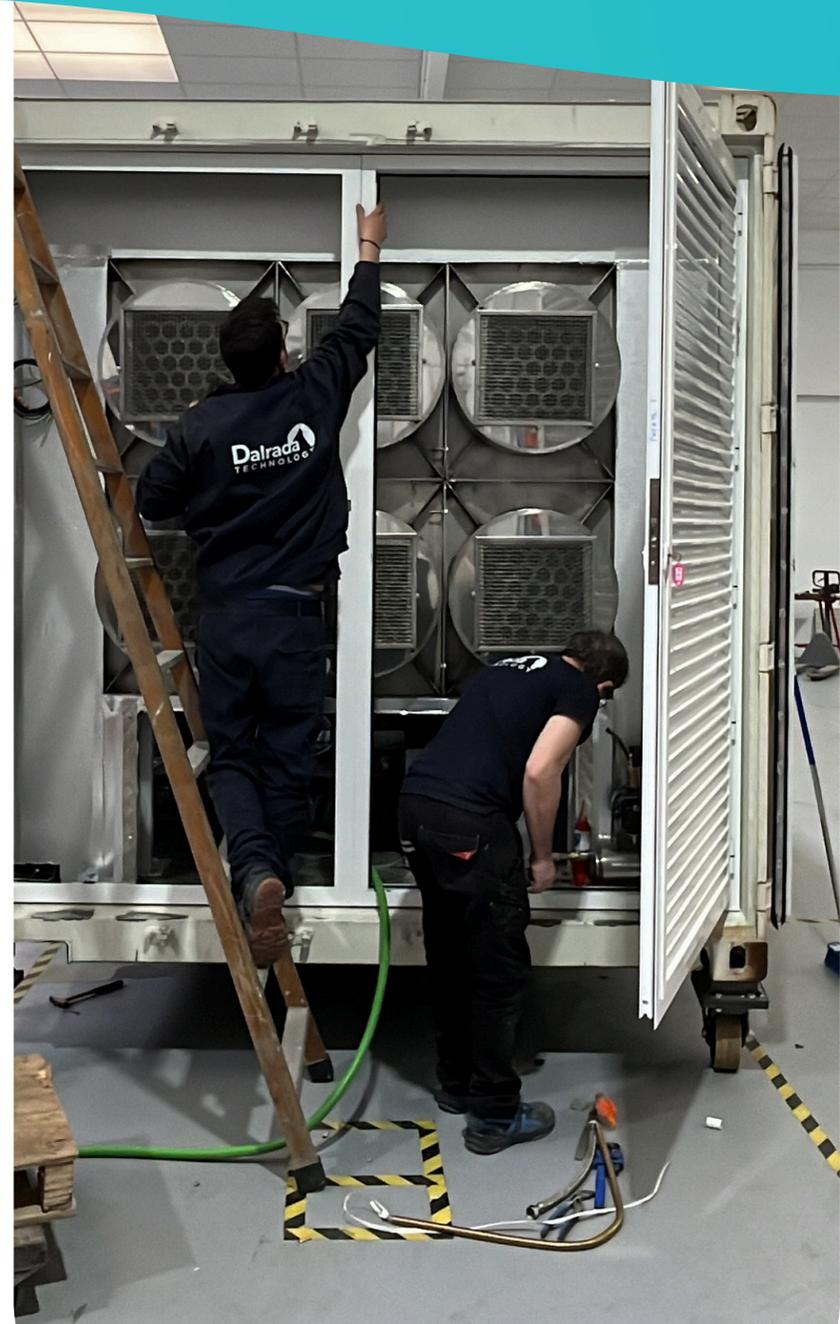


# AQUASENSE



AQUATHEA



## Atmospheric water, a modern and ancestral solution.

Since antiquity, humans have sought to extract water from the atmosphere. The Incas, for example, collected moisture by stretching large nets between two masts to capture fog, while the Persians used earthen towers cleverly designed to create a natural airflow and condense humidity.

At the beginning of the 20th century, the invention of modern air conditioning by W. Carrier in 1906 marked a turning point, making it possible to collect atmospheric water on an industrial scale.



AQUATHEA



AQUATHEA

Our atmospheric water generators are inspired by these historical advancements but **go far beyond them.**

By integrating and optimizing every stage of the process, we have developed a **revolutionary water production technology**, initially designed to meet the demanding needs of the aeronautics and aerospace sectors.

Unlike traditional generators, which produce water as a mere byproduct of physical processes, our generators are specifically **engineered to optimize water production in an economical, ecological, and efficient way.**



Our solution does more than replicate traditional techniques; it pushes the boundaries to provide natural, pure, and balanced water, while being mineralized to meet drinking water quality standards.

By reusing ancestral principles combined with modern innovations, we ensure healthy drinking water produced sustainably and with a reduced environmental footprint.



AQUATHEA



# Our Solution

## Consumption

The power consumption and production capacities of our generators are specified under the following conditions: 27°C and 70% humidity. The average consumption is 50 watts per liter.

The operating limits of our units range between 4°C and 64°C, and between 8% RH and 98% RH.





The low energy consumption of our generators allows us to offer them as a standalone solution with photovoltaic solar production.

Our outputs are tested in laboratories, and their performance is certified (there is no association of atmospheric water generator manufacturers like there is for air conditioner manufacturers, which is why we created **our own certification** in collaboration with a globally recognized certification body).

# Applications

## Population

Individual or collective housing, hospitals, schools, hotels...

## Isolated Areas

For isolated areas where running water is not available: islands, military camps, irrigation...

## Humanitarian

Equip and supply a camp for disaster victims or refugees...

## Emergency Situations

Equip a camp in just a few hours in response to an emergency, such as a fire or a natural disaster.

## Industrial Needs

For textile, mining, and other industries with high water consumption.

## Strategic Water Reserves

To maintain the levels of reservoirs, water towers, or dams.



# Technologies

Faced with the growing challenges related to access to drinking water, Aquathea has **developed several innovative solutions to capture the moisture present in the air and transform it into water of exceptionally high quality.** Aquathea filed **six invention patents** in 2025.

These solutions, adapted to different usage contexts, represent major advancements in the field of sustainable water supply.

Remote monitoring: real-time control via satellite connection.

Our generators are certified: 2006/42/EC Safety and Quality: IEC 60204-1 (industrial electrical safety).



All our generators are equipped with remote monitoring: real-time control via satellite or GSM connection, and they are all linked to our control center in Bordeaux.

This allows us to monitor and validate the operation of our generators in real time, and also enables us to initiate preventive maintenance interventions.





# The quality of the water produced is controlled and monitored

We offer an exceptional filtration solution, developed in collaboration with renowned laboratories and research centers.

## Our filters

Our filters incorporate advanced materials and proprietary processes for optimal removal of contaminants, even at very low concentrations:

- **Heavy metals**
- **Pesticides**
- **PFAS**
- **Irradiated water**
- **Presence of manganese and other critical pollutants**

**Filtration performance:** certified by CNRS and the Pasteur Institute. The water analyzers installed in our equipment are NF certified: ISO 24510 / 46001 (water management and quality), ISO 10523 / 5667 (pH measurement and water sampling), ISO 15839.



## DELIVERY AND COMMISSIONING CONDITIONS

**Delivery:** Incoterm FCA

Test report provided

Commissioning by AQUATHEA or a certified partner

Access to the online customer portal (telephone support, documentation, monitoring)

**Warranty:** 24 months with official commissioning

Extensions available up to 10 years

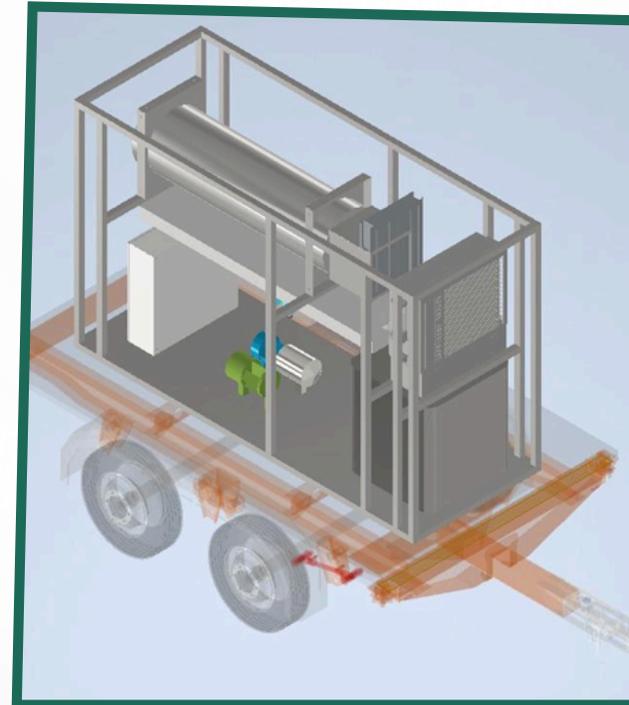


# Technical Specifications

Spécifications	AQ1 (1000 L/j)	AQ5	AQ10
Water production (Liters / Day)	1 000 Liters	6 000 Liters	12 000 Liters
Air filter	G4 / Electrostatic Anti-bacterial	G4 / Electrostatic Anti-bacterial	G4 / Electrostatic Anti-bacterial
Water filtration system	Cartouche patented and UV lamp	Cartouche patented and UV lamp	Cartouche patented and UV lamp
Dimensions W x D x H (cm)	330 x 125 x 200	605 x 238 x 258	605 x 238 x 258
Net Weight (kg)	611	6 900	8 800
Power Supply	400-3-50	400-3-50	400-3-50
Consommation (kWh)	de 1 à 4.4	de 3 à 21	de 4 à 28
Refrigerant	R32	R32	R32
Condenser coil	Brine treatment	Brine treatment	Brine treatment
Evaporator coil	Stainless steel - Food quality	Stainless steel - Food quality	Stainless steel - Food quality
Evaporator Fan (Nm <sup>3</sup> /h)	1 000 à 3 300	1 500 à 21 800	2 500 à 39 600

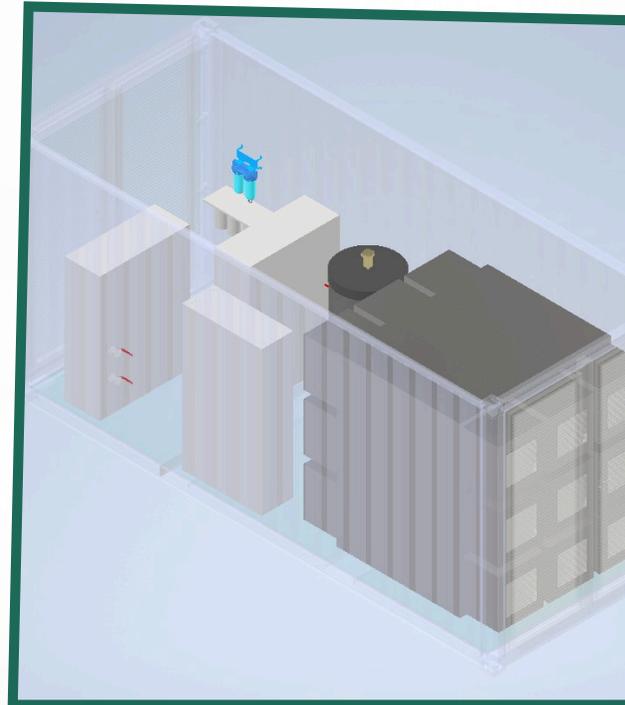


# Visual overview of the AQ1





# Visual overview of the AQ10





AQUATHEA

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