



SUSTAINABLE DRINKING WATER SOLUTION

airwater™
Making water from air
IN PARTNERSHIP WITH
DANUBE
HOSPITALITY

www.danubehospitality.com

Mission

Our mission is a humble initiative to address the dual global issue of water scarcity and use of plastics by providing a sustainable, pure drinking water solution for different sectors, across hospitality, healthcare , F&B, hospitals, farms and commercial establishments.

Vision

Our vision is to provide Water to the World “W2W” by producing billion ltrs of water annually and contribute to reduce plastics and reach wherever there is a scarcity of water. With AirOWater’s technology that converts humidity in the air to water, our vision will slowly but surely become a reality and be the change we want to bring to the society.



Banquet



Hotel Room



Poolside Cafe



Restaurant





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◀ **BEFORE**



◀ **AFTER**

GLOBAL CRISIS

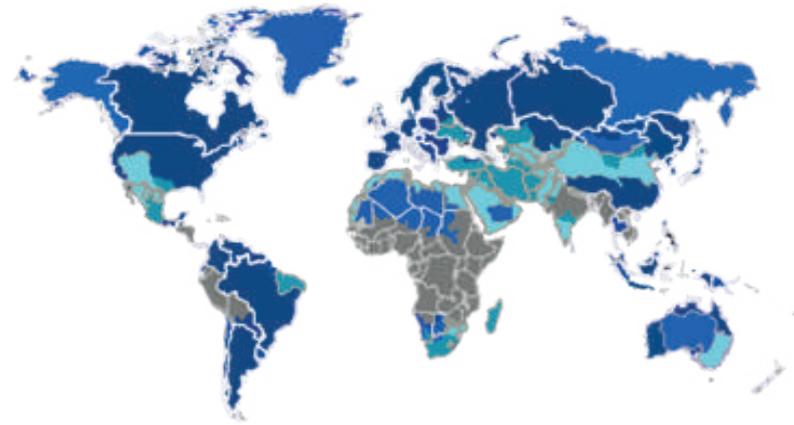
Clean Water – An Endangered Global Resource?

The day is not far when drinking water becomes the most precious commodity on the planet. Groundwater, currently the main source of drinking water, is being depleted at alarming and unsustainable rates even as the search for alternate water sources continues



By **2025, 1.8 billion** people will be with absolute water scarcity, Two-thirds of the world's population could be living under water stressed conditions

Earth's **71%** of the area is covered with water,
but only **0.002%** is drinkable.



- Little or no water scarcity
- Physical water scarcity
- Approaching physical Water scarcity
- Economic water scarcity
- Not estimated

The Pain Point – Heart Wrenching Situation!



Global Crisis

700 million people worldwide could be displaced by intense water scarcity by 2030

Approx. 4 billion people live under severe water scarcity at least one month per year

Water Diseases

Every 2 minutes a child dies from a water-related disease

Contaminated drinking water is estimated to cause **4,85,000** diarrhea deaths each year

Lack of Clean Water

785 million people lack basic drinking-water, including **144 million** people who are dependent on surface water

At least **2 billion** people use a drinking water source contaminated with faeces

Causes of Water Crisis



Increasing Population

Tremendous increase in population has burdened the natural resources



Climate Change

Higher temperatures are increasing evapotranspiration from vegetation, land, surface water, and oceans



Industrial Waste

Toxic substances released from factories and industrial establishments causes water pollution

Impact of Water Crisis – Serious Ramifications!



SOCIAL IMPACT

Globally, women spend a collective **200 million** hours/day for collecting drinking water thus depriving them from other productive work.

Many children in various parts of the world have to search and transport clean and safe drinking water across long distance, leading to abandon education. Women are at a higher risk for infections due to their frequent contact with unsanitary water.



HEALTH IMPACT

Children are affected by life-threatening diarrhea from parasites in unclean water or water borne diseases like cholera. Diarrhea, triggered from consuming unclean water is **one of the top three** leading causes of child death.

160 million children suffer from stunting and chronic malnutrition linked to water and sanitation.



ECONOMY IMPACT

Scarce water is a major obstacle to economic prosperity with sectors like agriculture relying on the precious resource in their operations. \$260 billion is lost globally each year due to lack of basic water and sanitation. Water crisis will shave off approx. 6% of the country's Gross Domestic Product (GDP) by 2050.



Impact of Plastic

- 8 million tons of plastics leak into the ocean each year
- Most plastic items never fully disappear; they just get smaller and smaller. [United Nations Environment]
- 93% of bottled water around the world is contaminated with microplastics.
- We could be ingesting 5 grams of plastic a week due to plastic pollution. It is like the weight of a credit card! [*World Wildlife Fund, 2019.]
- As a battle against single use plastics, many countries like U.A.E., Kenya, India, UK, USA etc. have either completely banned single use plastic or the government levies a very high tax on them.

AirOWater – Bringing together a unique combination of innovation, sustainability and social welfare

AirOWater
Innovative solution **Water**
from humidity in the air

Our Purpose is to contribute to one of the gravest problems of humanity, in a cost-effective and sustainable manner





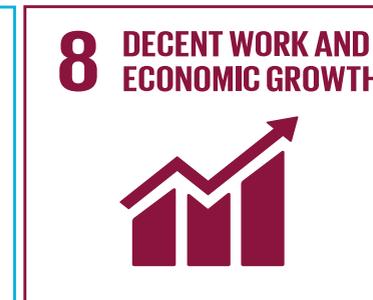
**Our Contribution
to possible solution**

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Social Focus

Along with providing water from air, we also promote micro-entrepreneurship through installation of water kiosks, empowering women to enhance their standard of lives and dignity.

We thus address the following SDGs of UN:



Plastic Footprint Reduction With AirOWater

	Dewpoit Super	Dewpoit Hyper	Dewpoit Mega	Dewpoint Ultra	DewPoit Ambar
Amount of water generated per day	100 Liters	250 Liters	500 Liters	1000 Liters	3000 Liters
Amount of water generated per year at 90% efficiency	32850 Liters	82125 Liters	164250 Liters	328500 Liters	985500 Liters
Approx number of pet bottles reduction per year	40000	90000	180000	330000	1000000
Plastic footprint reduction per year	1440 Kgs	3240 Kgs	6480 Kgs	11880 Kgs	35478 Kgs





Benefits and differentiators of technology-led solutions



Scalability



Sustainability



Reliability

Portable water solution

100 ltr -1000 ltr



Hotels & Restaurants



Water container



Water Farm



The world's leading technology in air to water conversion

- Atmospheric Water Generator (AWG) using green technology that harvests water from the humidity in the air.
- It is a unique, reliable and adaptable technology, creating water from air, providing fresh, bacteria-free, pure drinking water.
- The water produced is completely free from contaminants like pesticides and heavy metals, generally present in ground water supplied through age-old pipelines.



Water made from the atmospheric air, without any water input source.



100% pure and safe for consumption



Healthy to drink, with higher oxygen levels



4-step filtration system with continuous ozonation of water



Works as dehumidifier



Stainless steel water storage tank



Environment friendly and safe for consumption, with zero wastage



Easy and quick installation

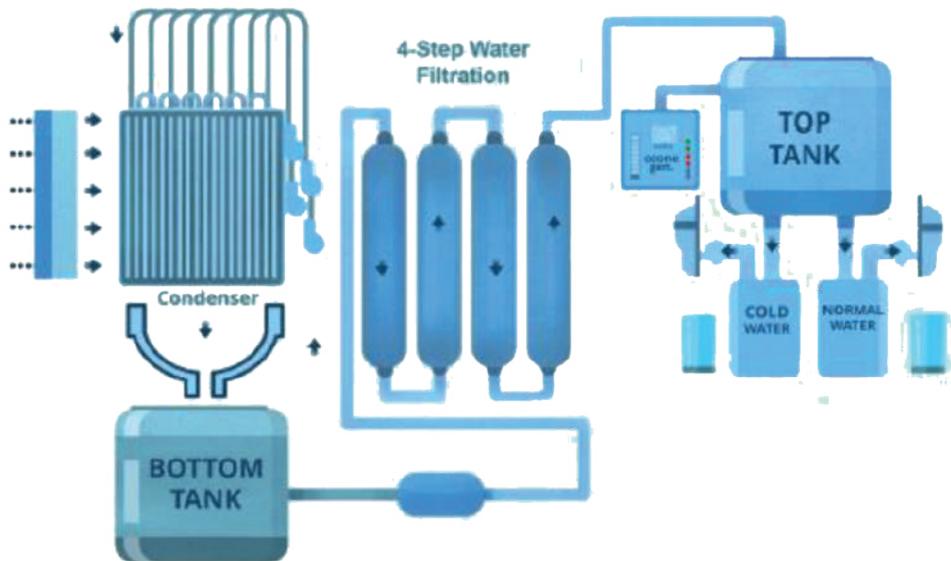


Affordable, cost effective solution

Works like nature's own process of generating water

Humid air enters through the air inlet, it is filtered through an air filtering process, and a condensation unit receives the humid airflow from the evaporator.

The condensation unit then converts the water vapour into water. This process is known as atmospheric condensation. Once the water is generated through this process, it is then purified via a -4step filtration process.



01 The 4-Step Filtration Process

The specially formulated filtration process ensures that water is untouched by pollution and as fresh as possible.

02 Air Filter

Air filter & Micro dust form filtration

03 Water Dust Filter

Removes external particles

04 Water Filter

Pre Carbon Filter, Sediment Filter RO & Membrane TCR
Removes colour, odour, all physical impurities up to 5 micron

05 Ozone Generator

Disinfects, oxidizes and deodorizes and leaves better taste for water. Destroys all types of microorganisms instantly.

Water as a Service

- Danube Hospitality will supply drinking water refilled glass bottles of 500ml.
- Danube Hospitality will set up Centralized drinking water glass bottling plant/plants at own premises
- From this plant, water bottles will be transported to various properties









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