



Corporate Overview





Company



Company - History

Background KEYTER TECHNOLOGIES group was promoted by businessmen, managers and technology specialists who founded **CIATESA** ,  **Infrico** and  **CORECO** in the 80s


(Air Conditioning)

(Commercial Refrigeration)

○ **2000**  **Keyter Technologies** (Air Conditioning, Refrigeration and Atmospheric Water Generation)

○ **2007**  **INTARCON** (Industrial Refrigeration)

○ **2008** **First Atmospheric Water Generator**

○ **2013**  **Keyter HVAC** (Industrial Air Conditioning)

○ **2017**  **Genaaq** (Atmospheric Water Generation)

4th generation already in operation (US, Africa, Latin America, SE Asia,...)



Company - Group



- > 30 years in HVAC, refrigeration & water
- We research, design, manufacture and market
- > 40 M\$ turnover
- > 450 employees
- > 24,000 m2 of production facilities
- > 25,000 units manufactured annually

 Keyter
HVAC



HVAC

 INTARCON



Refrigeration

 GENAQ



Atmospheric
Water
Generation

 Keyter
ODM



Special Developments

Company - Facilities

Offices, Factory and Laboratory (24,000 sqm) in Lucena (Spain)

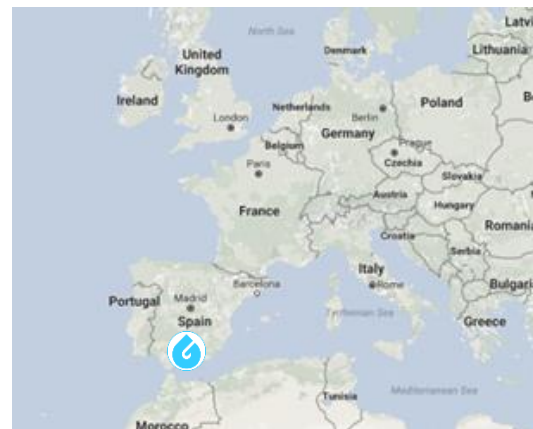


 Bulevar Los Santos, 44 – 14900 – Lucena - Spain

 +34 957 625 712

 info@gena.com

 www.gena.com





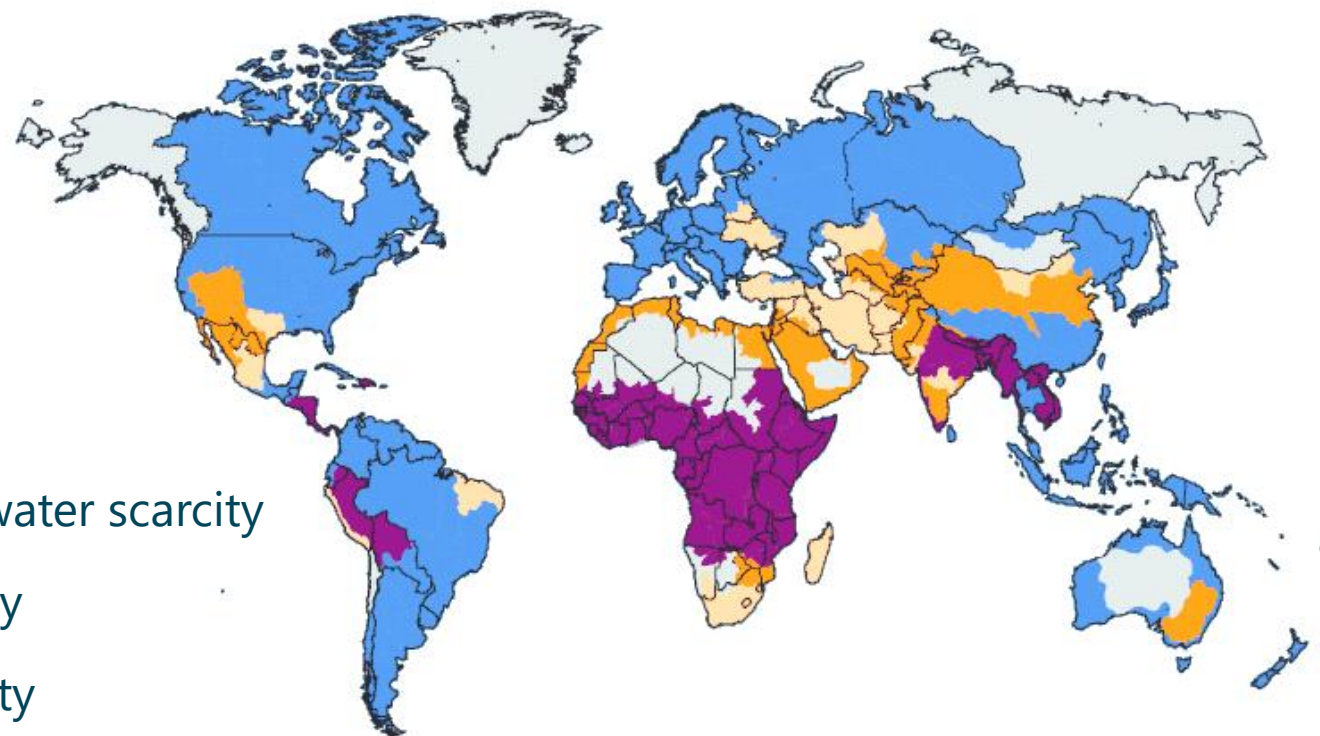
Company - Future Facilities







Company - The Water Challenge

The **atmosphere contains water**, which is a natural **renewable resource**.

Our **mission** is to provide solutions for access to quality **drinking water**, at **low cost**, in a **sustainable** manner and in situations without access to a water or energy supply, with our portable **atmospheric water generators**.



-  physical water scarcity
-  approaching physical water scarcity
-  economic water scarcity
-  little or no water scarcity



More Water, less plastic!

In GENAQ we contribute to the **UN Sustainable Development Goals** by promoting the use of Atmospheric Water Generators to **reduce the plastic bottles**.

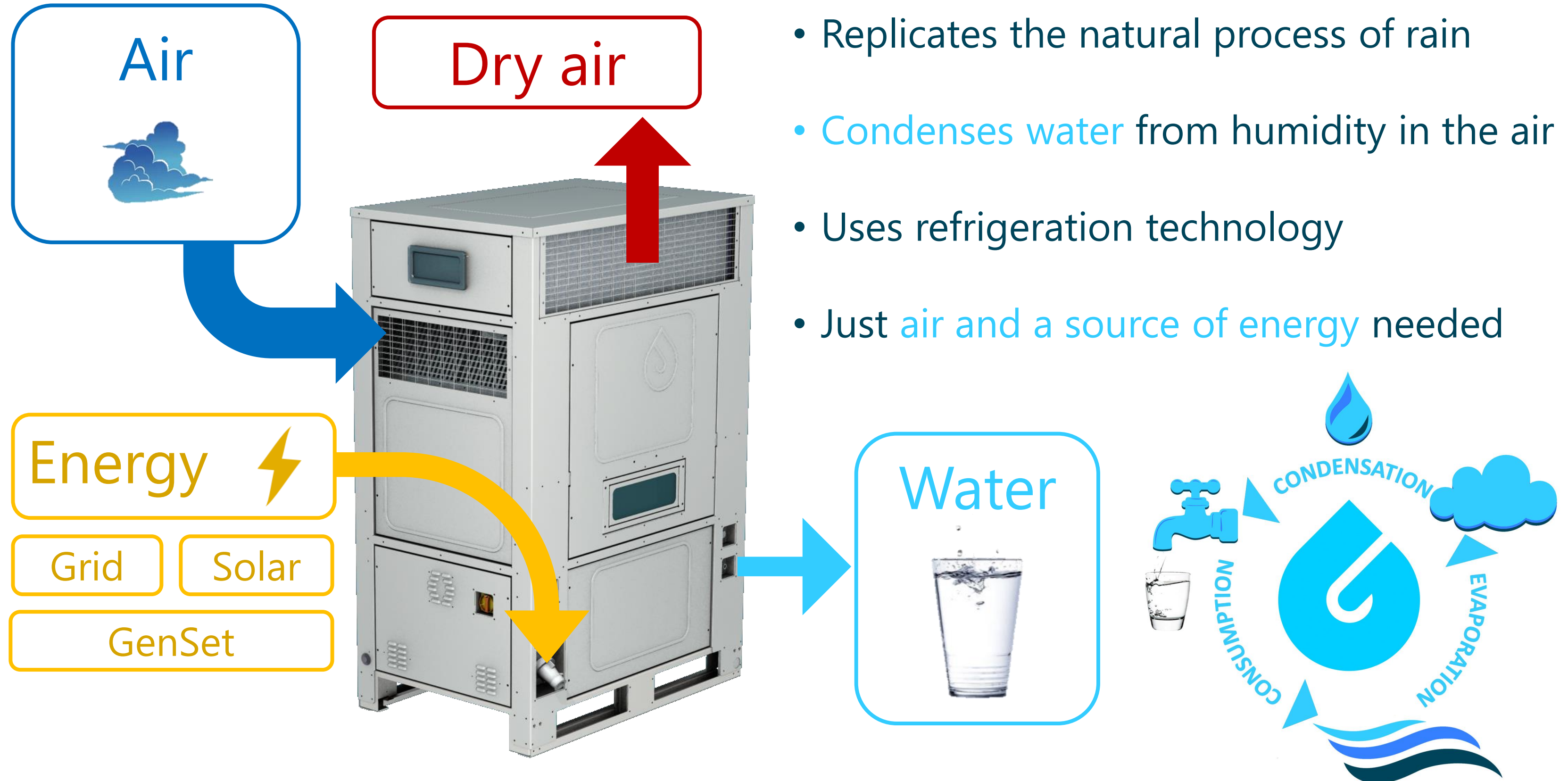
SUSTAINABLE DEVELOPMENT GOALS



Technology

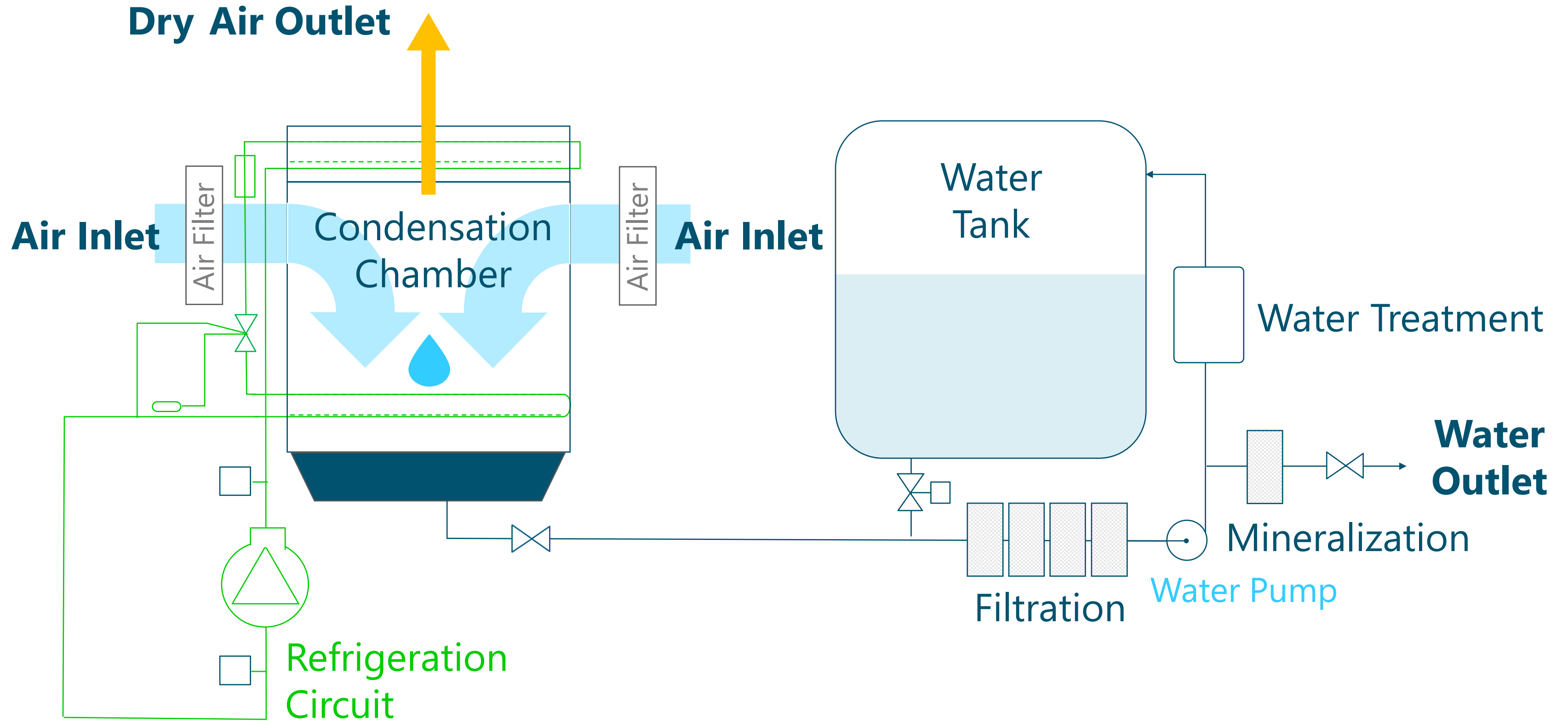


Technology - Atmospheric Water Generation





Technology - Working Scheme



Technology - Applications

Emergencies



Camps



Disaster Relief

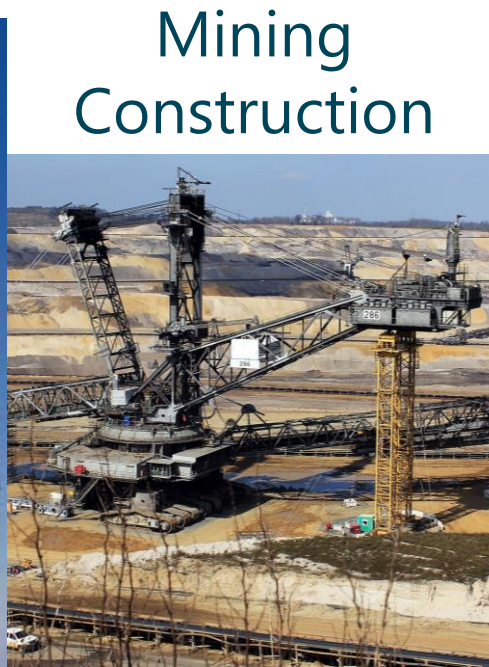
Industrial



Oil&Gas



Remote Locations



Mining Construction



Hydroponics



Labs

Commercial



Offices



Exhibitions



Communities

Restaurants



Large scale



Bottling plants



Residential water supply

Industrial processes





Generators



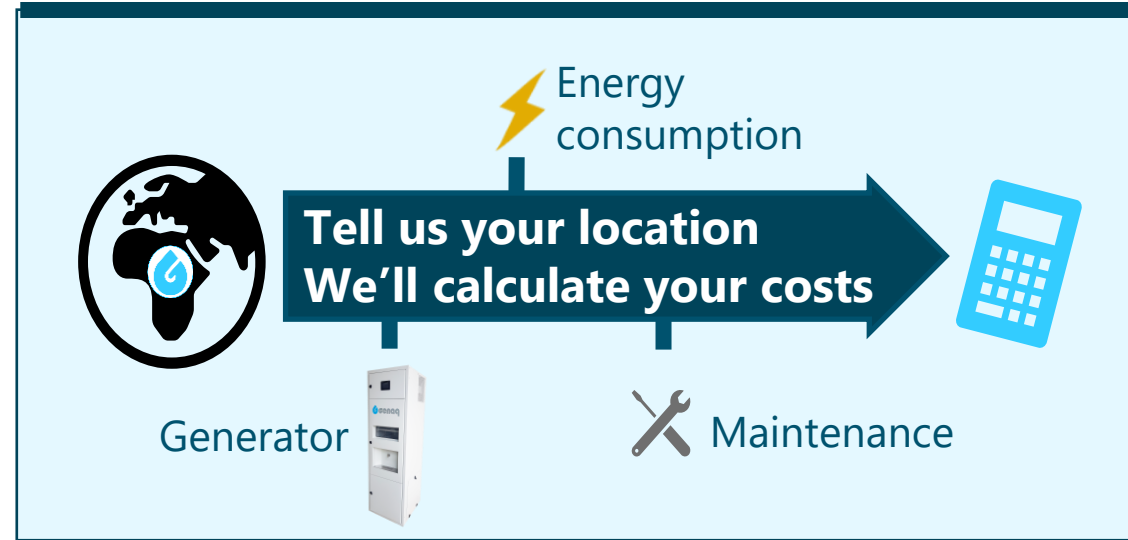
Generators - Features



Pure Drinking Water



Low Cost



Environmentally-friendly



Connected



Relative Humidity [C]	Generation [litres/day]										
	55	50	45	40	35	30	25	20	15	10	
100	-	-	8435	8187	5687	4628	3831	2270	1161	556	
90	-	-	6351	6102	5530	4737	3532	2207	1132	548	
80	-	-	18421	8263	5396	5412	4537	3125	2045	1047	520
70	8566	6388	6163	5913	5043	4043	2704	1731	885	430	
60	8628	6322	5961	5239	4471	3323	2168	1189	678	306	
50	8478	6034	5323	4528	3450	2367	1595	853	452	176	
40	5534	4938	4153	3083	2276	1608	908	524	238	58	
30	3824	3141	2497	1865	1194	788	474	232	69	34	
20	1905	1648	1103	795	524	308	145	42	-	-	
10	684	589	413	245	122	47	-	-	-	-	

Relative Humidity [C]	Consumption [kWh/litre]									
	55	50	45	40	35	30	25	20	15	10
100	-	-	0.17	0.17	0.19	0.22	0.27	0.37	0.62	0.96
90	-	-	0.17	0.16	0.19	0.23	0.27	0.37	0.63	0.96
80	-	-	0.17	0.16	0.20	0.24	0.30	0.39	0.66	0.93
70	0.16	0.17	0.18	0.15	0.21	0.26	0.33	0.43	0.71	1.03
60	0.16	0.17	0.18	0.20	0.24	0.29	0.35	0.46	0.81	1.23
50	0.17	0.18	0.20	0.24	0.28	0.38	0.46	0.74	1.00	1.70
40	0.18	0.22	0.25	0.31	0.39	0.47	0.73	0.94	1.38	2.97
30	0.28	0.30	0.37	0.43	0.66	0.81	1.01	1.43	2.62	3.98
20	0.42	0.46	0.68	0.81	0.99	1.30	1.85	3.48	-	-
10	0.89	0.98	1.18	1.55	2.22	3.80	-	-	-	-



Tested and Certified



Autonomous



Generators - Product Range

stratus

Water Dispensers

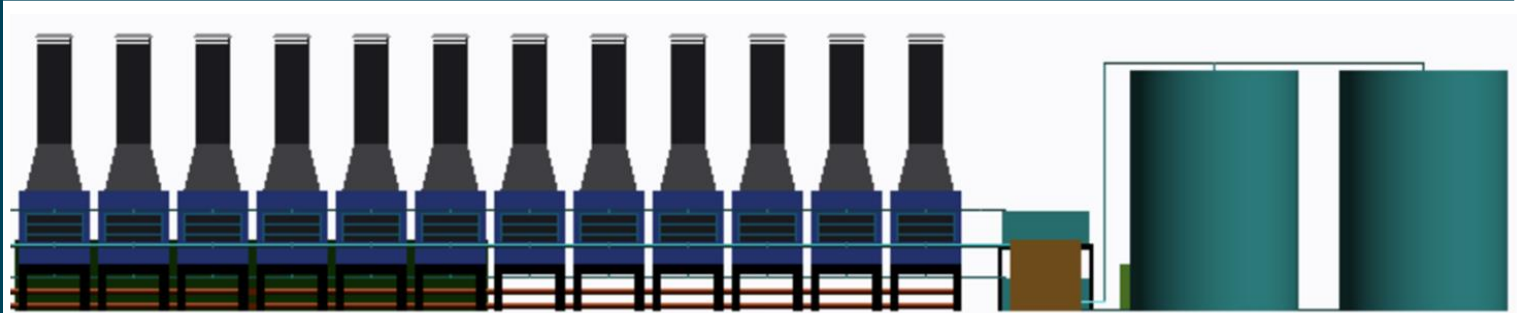
nimbus

Remote Supply

cumulus

Emergency

AWGplant



Water Dispenser

Designed as Water Dispensers to supply the purest drinking water in **houses, hotels, hospitals, offices, restaurants...**

- 💧 No installation, no plumbing
- 💧 No storage space
- 💧 No waste
- 💧 Several water purification options available



s50

s200

Nominal Generation (liter per day)	52	201
Nominal Consumption (kWh per liter)	0.42	0.36
Nominal Power (kW)	0.7	2.5
Dimensions (mm) (Height, Width, Depth)	1500 400 515	1765 595 710
Weight (kg)	105	185
Cold/Hot Water	Optional	Optional
Compatible with Solar	AC or DC	AC or DC
Internet of Things	Optional	Optional
Safe External Tank	No	No
Containerized with genset	No	No



Example

Community of 35 people without access to safe drinking water

Before



Water
dispenser

- 0.20 USD per liter
- Low water quality
- Depends on bottles delivery
- Needs manipulation

After



stratus s200

- 0.03 USD per liter
- High water quality
- Autonomous
- No installation, no manipulation

Remote Supply

Designed in Remote Supply format with improved efficiency to supply drinking water in **oil rigs, mines, construction sites, remote facilities...**

- Standard dimensions
- Optimized efficiency
- Extreme environmental conditions up to 55°C
- Keeps external tank water safe
- Several water purification options are available.



n500

n4500

Nominal Generation (liter per day)	504	4537
Nominal Consumption (kWh per liter)	0.24	0.24
Nominal Power (kW)	4.1	35
Dimensions (mm) (Height, Width, Depth)	1800 795 1180	2170 2210 3420
Weight (kg)	380	2200
Cold/Hot Water	Optional	Optional
Compatible with Solar	AC	AC
Internet of Things	Yes	Yes
Safe External Tank	Yes	Yes
Containerized with genset	No	Optional

Example

Oil Rig with 80 workers that is currently transporting bottled water by helicopter for drinking water.

Before



Bottled Water

- 0.70 USD per liter
- Logistics management needed
- Storage space needed
- Plastic waste

After



nimbus n500

- 0.03 USD per liter
- No logistics
- Limited space required
- No waste



Emergency Response

Designed in Emergency Response format structurally strengthened to supply drinking water in **disaster relief, military and humanitarian camps...**

- Structurally reinforced and easy-to carry features
- Maximized generation
- Extreme environmental conditions up to 55°C
- Keeps external tank water safe
- Several water purification options are available.



e50 **e500** **e5000**

Nominal Generation (liter per day)	52	573	5192
Nominal Consumption (kWh per liter)	0.42	0.26	0.32
Nominal Power (kW)	0.7	4.7	50
Dimensions (mm) (Height, Width, Depth)	1050 390 575	1110 1095 1300	2170 2210 3420
Weight (kg)	70	370	2200
Cold/Hot Water	No	Optional	Optional
Compatible with Solar	AC or DC	AC	AC
Internet of Things	Optional	Yes	Yes
Safe External Tank	Optional	Yes	Yes
Containerized with genset	No	No	Optional

Example

Hurricane disaster relief for 2000 people with damaged water and energy supply systems

Before



Purification
plant


- Needs a water source
- Needs a power supply
- Low water quality
- Needs installation

After



cumulus
e5000

- 100% autonomous (1 week)
- No water/energy supply
- High water quality
- No installation

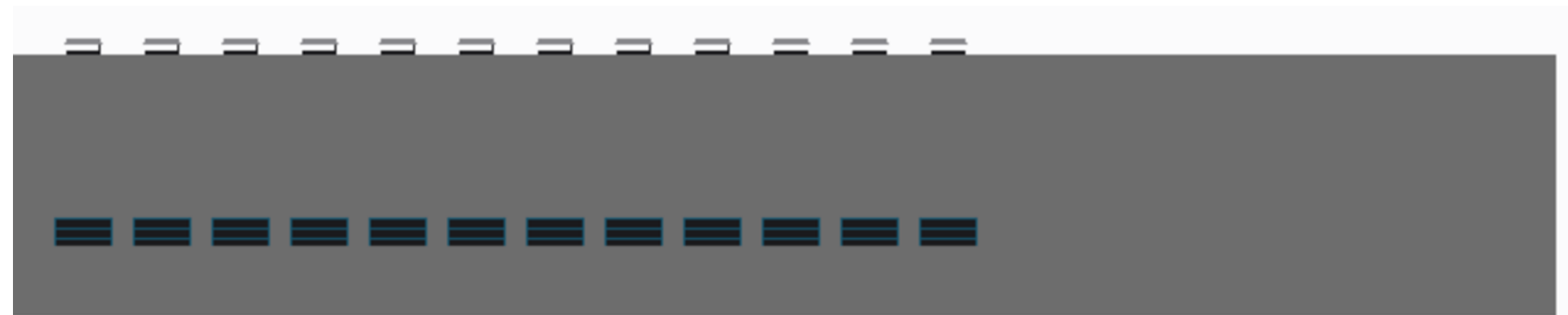


Genaq AWGplant

Atmospheric Water Generation Plant

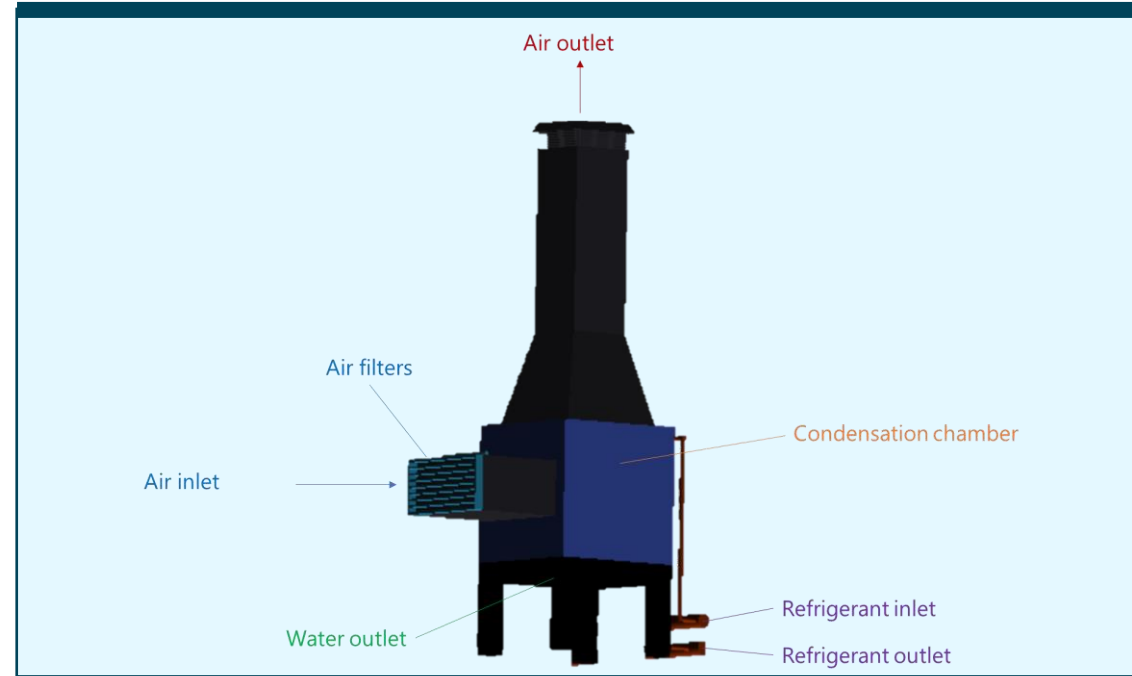
Designed for large needs of high-quality water and optimized for low investment and operating cost for **bottling plants, residential water supply, industrial processes...**

- Performance with minimized energy consumption
- Reduced investment
- Scalable from 50,000 to 1,500,000 liters/day
- Adapted water treatment for mineral bottled water
- Customizable mineralization

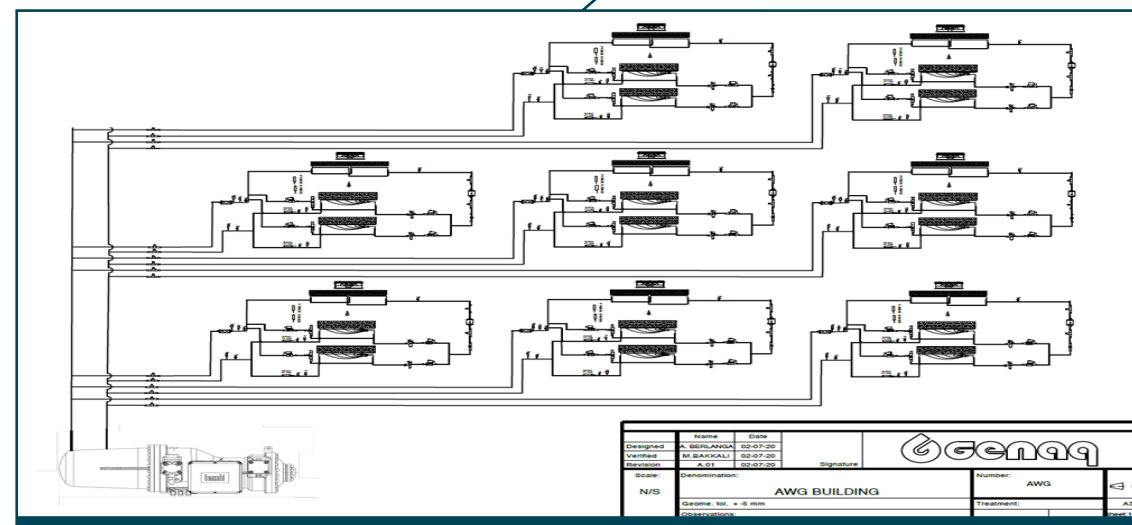
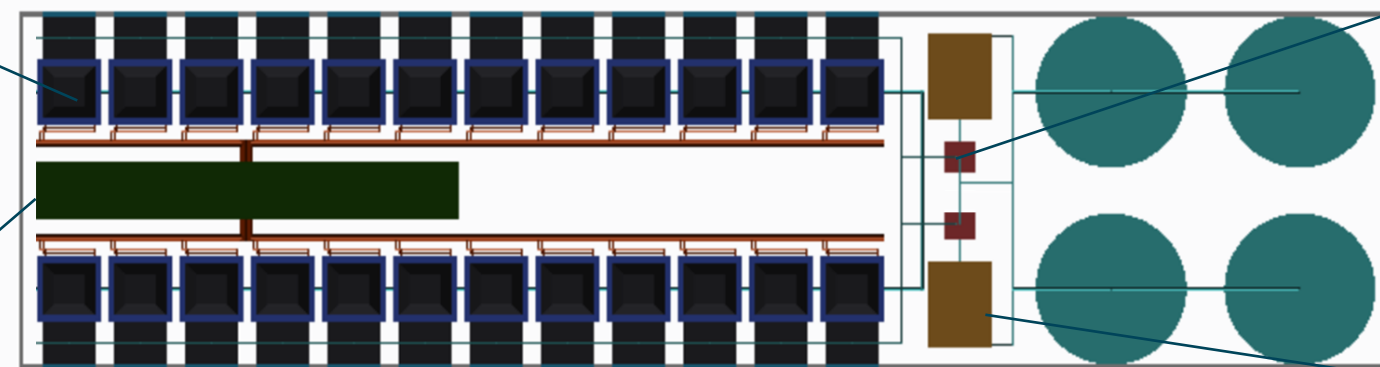
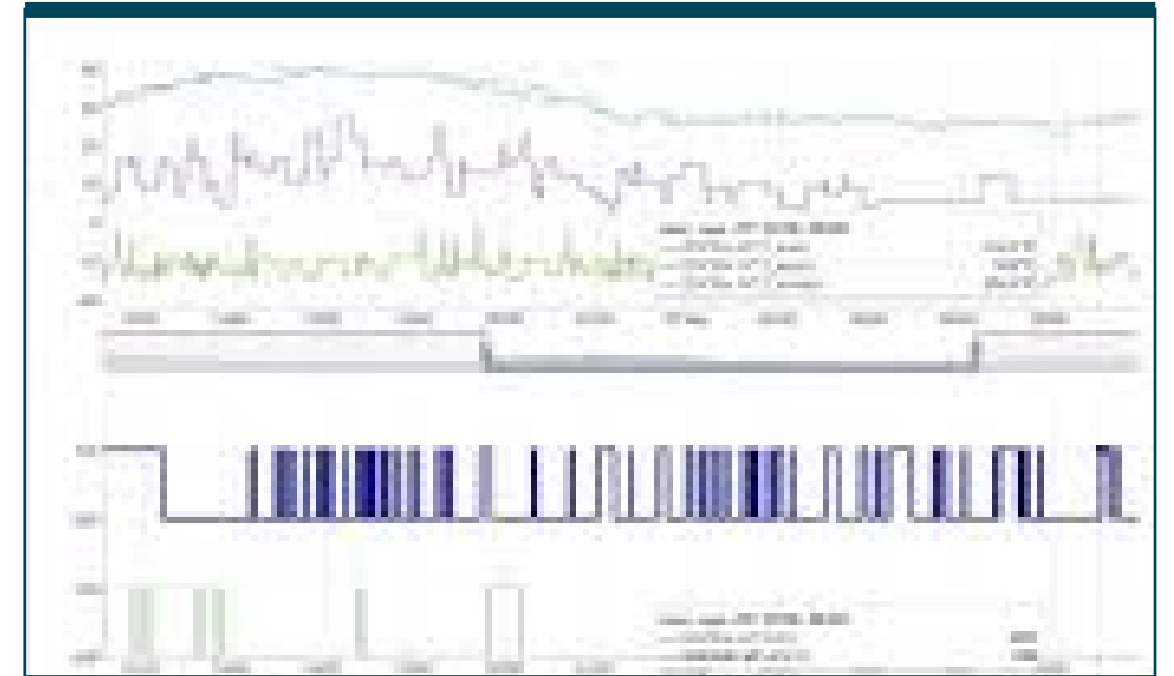


GENAQ AWGplant

Condensation Chambers



Online Control



Centralized Refrigeration Circuit

Unified Water Treatment



Example

Bottling plant in a location without permission to use a water spring

Before



No project

- Cases of no permission
- Cases with no spring available
- Variable water quality

After



AWGplant

- Independent from permissions
- Independent from springs
- Always high water quality
- Scalable
- Compatible with renewable energy





References



References – Global Presence



References



**Containerized C5000
Army, USA**



**C500 in military base
Army, USA**



**Containerized C5000
Army, Spain**



**S50 in a military base
Army, Malaysia**

References



Emergency response after Hurricane Maria
Puerto Rico



World Youth Day
Panama



Emergency Response
Ethiopia



2022 World Cup
Qatar



References



Solar C500
Canary Islands Technological Center, Spain



C500 military base
Navy, Nigeria



S200 in a O&G Vessel
Sapura, Malaysia



Disaster Relief
United Nations

References



**S200 in a military camp
SENAFRON, Panama**



**S50 for oil&gas
Oil Rig, Australia**



**S200 for Remote Supply
Chile**



**N4500 for Remote Supply
Oman**

References



S200 at European Union Pavillion Web Summit, Portugal



S200 at Community Iquique, Chile



S50 for Domestic application Kuala Lumpur, Malaysia



S50 at Tropicana Restaurant Kuala Lumpur, Malaysia



Case Study



Case Study - Dubai

Location	Dubai, UAE
Average Temperature	28°C
Average Relative Humidity	56%
Electricity Cost	0.08 USD per kWh
Need	300 liters per day



Current Solution



Bottled Water

- 0.20 USD per liter
- Logistics required
- Waste

Monthly cost:
1,800 USD

Alternative

nimbus n500



- 318 liters per day
- High quality water
- No water supply
- No logistics
- No installation
- No waste

Investment: 28k USD
Operating cost: 0.03 USD per liter
Return on investment: 1.6 year
Monthly savings: 1,530 USD



Shaping the future





Co-funded by the Horizon 2020 programme
of the European Union



stratus
drink
pure
water



www.genaq.com

+34 957625712 info@genaq.com

