AirElixir WATER FROM THE AIR

Produced by Sustainable Holdings Co., Ltd.





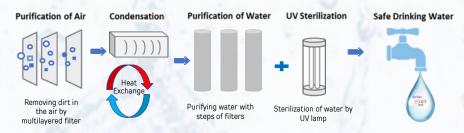
Sustainable Holdings Co., Ltd (MIRAI Co., Ltd.)

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Air can produce Water



Water Making Process



Our Mission

Take a challenge to people's prosperous lives and a sustainable global environment.

Safe water is still limited to all inhabitants of the earth. Around 2 billion people can not get access to safe drinking water and this number is going to increase within the period. Water scarcity is one of the most serious problems people are facing currently. In the future, even the war could be predicted for water if the right solutions are not applied.

"Provide safe water" can save lives in the world

The solution is AIR + SOLAR. Only if you have a place to install AirElixir, it produces water continuously everywhere even in low humidity conditions. We are challenging ourselves to provide an unlimited supply of inseparable need of safe drinking water to everyone.

AirElixir Produced by SUSTAINABLE HOLDINGS

AirElixir - 1000









AirElixir 20

Power: Single Phase AC 220V 50Hz Power consumption: 970W Water production amount (L/24H): 20L (@RH: 80%, Temperature: 30 °C) Refrigerant/volume:R134A Dimensions (L*W*H): 375*307*1138mm Weight: 42kgs Working temperature: 15°C – 38°C

AirElixir 250

Power: Single Phase AC 220V 50Hz Power consumption: 2.45kW Water production amount (L/24H): 250L (@RH: 80%, Temperature: 30 °C) Refrigerant/volume:R410A Dimensions (L*W*H): 820*1582*1113mm Weight: 280kgs Working temperature: 15°C - 45°C

AirElixir 1000

Power: Single Phase AC 380V 50Hz Power consumption: 8.7kW Water production amount (L/24H): 1000L (@RH: 80%, Temperature: 30 °C) Refrigerant/volume:R410A Dimensions (L*W*H): 1127*1582*2207mm Weight: 920kgs Working temperature: 15°C - 45°C

We also have available machines that can produce up to 50L, 100L, 500L, 2000L, 5000L of water per day.

Combination of AIR+SOLAR

Energy from the Sun



Panel total output: 6.8kW (340W×20sheets) Rated output: 340W Sunlight conversion rate: 16.6%

Convert DC to AC



Rated output: 4.6kW

Max exchange rate: 97%

Water from the Air



Water production: 250L/day Power consumption: 8.7kW Voltage: 220V

AirElixir Across the World



ODA applied by the Ministry of Foreign Affairs, Japan

In FY2021, MIRAI Co., Ltd. (Sustainable Holdings Co., Ltd) was selected as a public-private partnership project utilized by the Ministry of Foreign Affairs Grant Assistance for Grassroots Human Security Grants. Under the project, a machine (AirElixir 100UL) has been installed at the Federal Medical Center, Keffi, Nasarawa State, Nigeria, manufactured by MIRAI Co., Ltd. (Sustainable Holdings Co., Ltd) that produces water from moisture in the air. We work with the desire to deliver life-saving water to people who do not have access to safe drinking and household water through various routes, including ODA (Official Development







AirElixir donated to Ishikawa Prefecture

From April to May 2024, 10 AirElixir machines were donated and installed in Ishikawa Prefecture, Japan, and they have played crucial roles in producing drinking water for the community because the area faced significant damage to its water pipes due to a major earthquake hit in January 2024.



Demonstration Site, Controlled by Mobile Phone with Wi-fi

We are operating demonstration site of associating AirElixir with solar panels and specialized innovative agriculture system "SoBiC" in Tomisato City of Chiba Prefecture. This site is the ideal image of new solution for the places where the water scarcity is occurring, where the electricity access is limited, where the soil is not preferable for growing vegetables. This is the completely independent water and agriculture station running on renewable energy and depending on natural resources, sunlight and atmosphere humidity.

Setting up the site by our staffs



Launching of innovative agriculture system "SoBiC"



Installation of 250L that can be controlled from a remote place with Wi-Fi and PC/mobile phone







<Product Profile> AirElixir-100 (Power consumption: 2.1kW) <Panels> Maker: Suntellite Model: ZDNY-340C72 Maximum Output: 340W (Single crystal) Module Size: 1956*992*450mm Type: Lithium Ion

Maker: PYLONTECH Module: 2.4kW×4units (9.6kW)

Setting angle: 30° Orientation: Due South Number of Panels: 16 PCS: 1unit (4.6kW) <Output>

General panel output: 5.4kW Overall power output: 4.6kW

To visit the demonstration site



Innovative agriculture system that is 10 times efficient than the traditional way of growing crops in soil. This system automatically grows vegetables by circulating water in natural rhythm by using the pressure change of air chamber expansion and contraction trigged due to the heat of the sun without using an electric machine.

<Vegetables and Fruits> Broccoli, green soybeans, sweet corn, spinach, sweet potato, egg plant, peach, strawberry etc. We have already harvested some vegetables!

Water Quality Test

✓ Clearance of 51 primary water standard parameters of Japanese tap water standard

Parameters	Units	Result	Standard Level	Method
General bacteria	CFU/mL	0	≤100CFU/mL	Standard agar medium method
Escherichia coli	-	ND	ND	MMO-MUG
Nitrate nitrogen	mg/L	0.004	≤0.04mg/L	Ion Chromatography
Nitrate nitrogen and Nitrite nitrogen	mg/L	<1.0	≤10mg/L	Ion Chromatography
Chloride ion	mg/L	<5.0	≤200mg/L	Ion Chromatography
рН	-	7.1	5.8 to 8.6	Glass electrode method
Smell	-	NAA	NAA	Sensory analysis
Chromaticity	-	4.3	≤5	Optical transmission measurement
Turbidity	-	1.0	≤2	Optical transmission measurement

^{*}Excerpted from the full report

Analysis agency: Kankyougiken Co., Ltd. (Japanese company)

Application of the Use

Starting from the single mission <To Deliver Safe Drinking Water to Everyone> now it is expanding the application to reach the field of agriculture and medication use in those areas, where the access is poor or water is polluted.



Exhibition Line

October 2018 December 2018 January 2019 July 2019 August 2019 September 2019 October 2019

February 2020

December 2020

Djibouti Japan Indonesia Japan Japan China India

Japan

"Dubai Solar Show 2018"

"Diibouti International Trade Fair 2018" "InterAqua 2019" "Indo Water 2019"

"TICAD 7 Official Side Event"

"The $13^{\rm th}$ Military Engineer Techno Fair" "The $10^{\rm th}$ China (Linyi) International Trade and Logistics Fair "

"Water Today's WATER EXPO 2020"

"New Value creation Exhibition 2020" online





2019.8

2019.9

2019.10

2020.2

Currently while living in Japan, we don't encounter water related problems and don't think about it at all, as we can get water anytime in anywhere.

However, it is expected that Japan will face water scarcity in the future too.

Although, in many parts of the world water shortage is very serious problem; so we have developed the technology that can produce water that is needed in the world to make our future, to make the water we use.

Therefore, we didn't want to just deliver the water but to remind people to create their own future by themselves and produce the water they use. The world is changing rapidly; so thinking about the people who don't have access to safe water, AirElixir is necessary to offer a solution to these people. Let's make the world better with us.

- Global Strategy Department -

"To make our own future, produce water we use"

