Future50

Food, Agriculture and Land Use (FALU)

Alternative Foods / Low-GHG Proteins

KUMULUS

Kumulus

https://www.kumuluswater.com

#ClimateTech
#NatureBasedSolutions

Headquarters:

Tunisia

Middle East operational countries:

United Arab Emirates

Summary:

Kumulus designs machines that produce **drinking water using solar energy and air.** The company states that they do so by **reproducing the phenomena of dew** and that each machine can produce up to 30 litres of water per day, adding that several integrated systems allow for better water quality and a more accessible experience. Kumulus seeks to provide other companies with their **own source of clean and sustainable water,** and to drastically reduce the use of plastic bottles as well as the pollution and logistics associated with them.

Impacts:

When connected to a power source, Kumulus' machine **filters, cools down, re-filters and mineralises air** to what it claims is EU standard. The company says that for **each litre of Kumulus water, 166 grams of CO2 is displaced,** which it estimates adds up to around two tons annually in addition to 250 kg of plastic. Its machines are supported by software that enable remote control and monitoring to reduce electricity usage.

Highlights:

Kumulus has participated in a number of accelerator programmes, most notably **Flat6Labs**[181] **and Techstars,**[182] and sought to patent its technology in Tunisia and France. It has also raised more than US$1 million in equity finance.[183] Kumulus was named by incubator **Station F as one of its most promising start-ups in 2022**[184] and won an award as the top start-up addressing water problems in the Eau-pération Planète pitch competition at **Vivatech 2022.**[185] In March 2023, Kumulus received the **Solar Impulse Foundation** label for being an efficient solution.[186]

Strategic alliances:

- Business (Large Companies)
- Universities
- Governments
- Hospitality

List impact technologies:

Solar Power