AirJoule™

THE POWER OF WATER FROM AIR

AirJoule Technologies Corporation

Nasdaq: AIRJ

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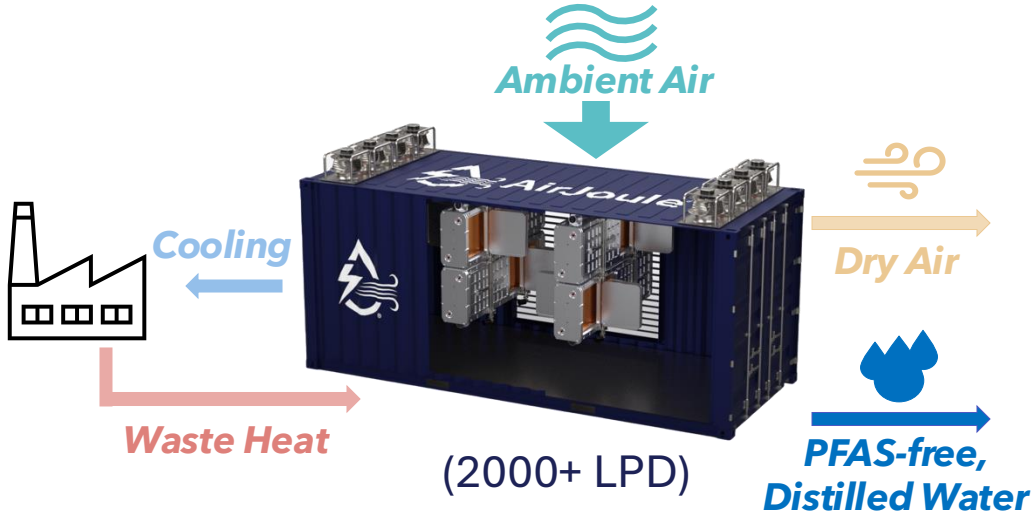
AirJoule – Generating Distilled Water From Air – at Scale, Anywhere

Freeing the world of its water and energy constraints by delivering groundbreaking sorbent technologies



1 of 3 Deployed Demonstration Units - Producing Water from Air Using Waste Heat

Generate Distilled Water from Waste Heat
– No Water Source Required

Now signing WPAs for industrial and commercial sites (1MGal/year and up)

Our Model: Water Purchase Agreements (WPAs)

- **No Capex** – AirJoule owns, installs, and operates.
- **Pay per Gallon** – Customers only pay for the water produced.
- **Net Positive Water** – Achieve sustainability goals with on-site generation.
- **No New Permits** – Expand operations without local withdrawals.
- **Reliable Water** – Distilled water for cooling & industrial processes

Key Investors / Partners

AirJoule is a platform technology supported by global leaders in energy, manufacturing, and materials

GE VERNOVA · Carrier · CATL · TRANSITION EQUITY PARTNERS · BASF · RICE INVESTMENT GROUP

AIRJOULE - TRIPLE PURIFICATION PRODUCTION OF DISTILLED WATER

AirJoule® Process Description

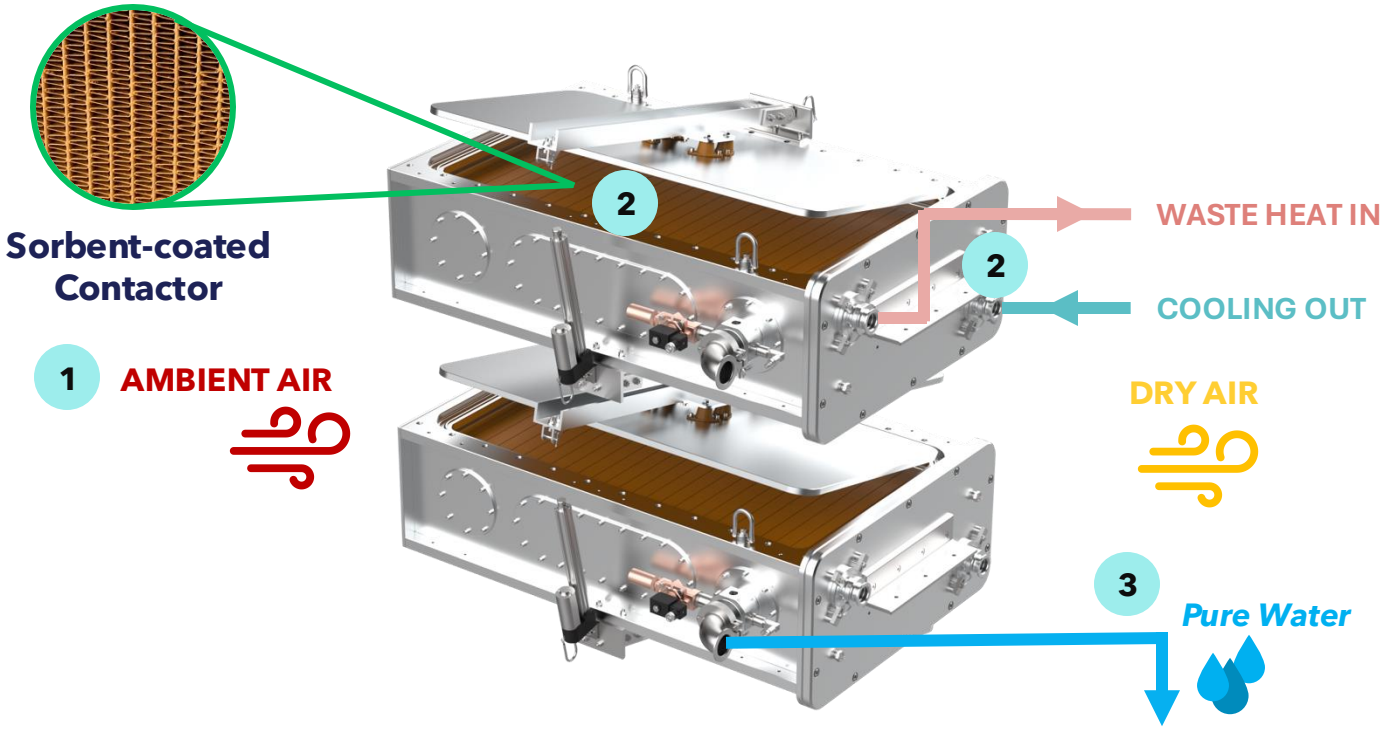
1 Air is drawn through sorbent-coated contactors, and water vapor is selectively captured.

2 Chamber doors close, vacuum is applied, and heat is added, distilling the water from the sorbent-chamber.

3 Water vapor condenses to liquid water inside a vacuum condenser. All parts in contact with liquid water are NSF-compliant, providing high quality distilled water, filtered and treated.

Dry air exhaust is generated which can be a useful input to HVAC systems

AirJoule® Process Diagram



AirJoule-produced filtered water meets all applicable U.S. EPA and U.S. FDA bottled water quality standards.

Microbiological: No coliform or E. Coli detected, below 100 col/mL.
Chemical: All metals and organics below detection or well within regulatory limits.
Physical: Extremely low total dissolved solids (0 - 5 mg/L) and low conductivity (5–10 µS/cm).

FROM PILOT TO SCALE: AIRJOULE'S PATH TO <$0.10/GAL WATER

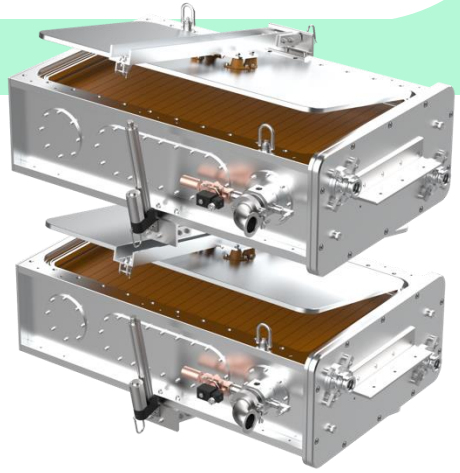
AirJoule WPA Deployment Strategy

- **Start Small:** 1MGal/year (minimum)
- **Scale Fast:** Expanding site to xx MGal/year
- **Flexible WPA:** Contract adjusts over time.

Actual quotes depend on specific locations, environmental conditions, electrical rates, waste heat temperature, etc.	Short Term	Medium Term	Long Term
Illustrative WPA Pricing Target	**$0.30/gal**	**$0.20/gal**	**<$0.10/gal**
O&M Cost Estimate	**$0.11/gal**	**$0.09/gal**	**<$0.05/gal**

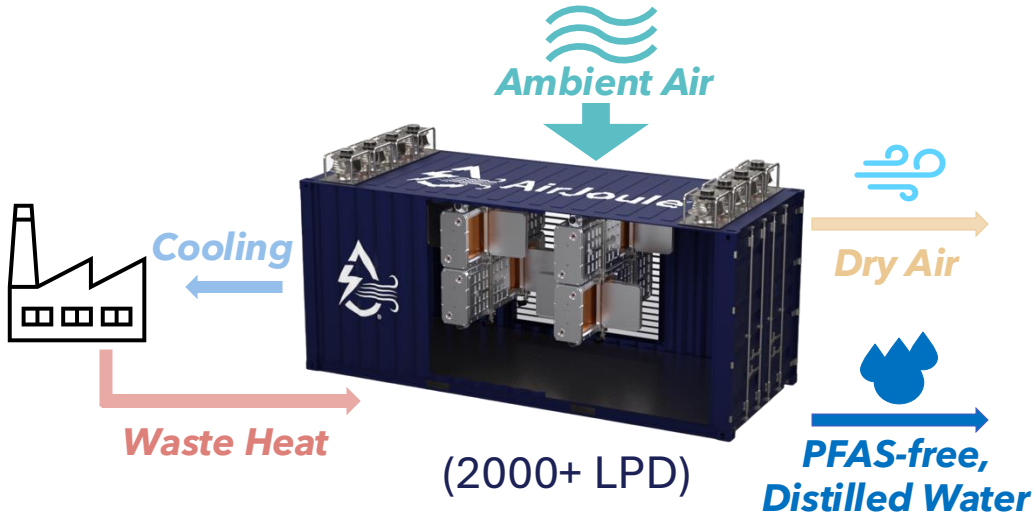
Core Technology that Enables our Best-in-class Economics:

- **Productivity:** Sorbent coatings, maximizing productivity per chamber.
- **Unit Capex:** Product engineering to maximize water yield per capex
- **Energy:** Driving from 200 Wh/L to below 100 Wh/L – *with heat source*
- **Maintenance:** Designing products for service and uptime



AirJoule™

NOW SEEKING INTERESTED CUSTOMERS!



Economic Use Cases

- **Reliable Water Sourcing**
- **Operational Resiliency**
- **Distilled/Demin Water**
- **Dehumidification**

Target Industries

- **Data centers**
- **Power generation**
- **Manufacturing** (Semiconductor, Food & Beverage)
- **Military**
- **HVAC**

RECENT WINNER OF:

NET ZERO
INNOVATION HUB FOR DATA CENTERS

Google Microsoft VERTIV. Danfoss Schneider Electric Data4

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