

DATA CENTER COOLING



for LIFE

FULL SPECTRUM OF C



DATA CENTERS ARE A GLOBAL PHENOMENON

As an international company, we understand that every project brings its own unique set of challenges.

You require options that adapt with evolving requirements, efficiently and sustainably—no matter the location.

By partnering with our experienced team of engineers, we can assist you in identifying the cooling solution that will deliver the best possible combination of power usage effectiveness (PUE) and water usage effectiveness (WUE) in any climate.

GLOBAL SOLUTIONS



ENGINEERED FOR MISSION CRITICAL PERFORMANCE AND EFFICIENCY

Our innovations are tested in one of the industry's largest and most advanced research and development facilities in the world, located at the EVAPCO World Headquarters in the USA.

Easily compare your options using the latest data center analysis tool created by EVAPCO. Capable of instantly calculating performance data around the globe, it's another way we're changing the cooling industry with technology for the future, available today.

ADAPT TO ANY ENVIRONMENT

Extremely limited water availability meant this customer needed an option beyond traditional evaporative cooling.

EVAPCO eco-Air Adiabatic Coolers were the optimal solution, allowing the site to achieve its ultra low PUE target while consuming a minimal amount of water. Additionally, these coolers offer:

**Low Water Consumption & Maintenance
High Efficiency & Resiliency**

This adiabatic technology can be adapted to almost any location!
Visit evapco.com for more details.



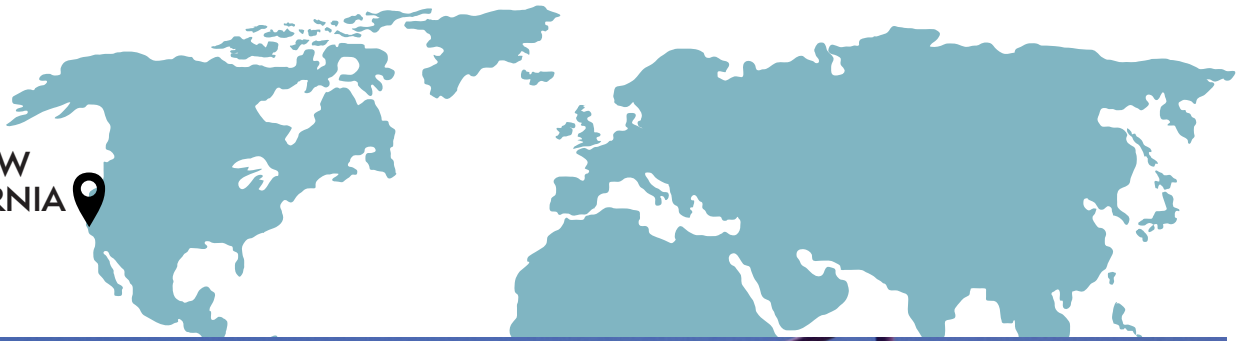
ECO-AIR ADIABATIC COOLER

OPERATION:
DRY

ANNUAL DRY BULB DISTRI

SAVING WATER

18 MW
CALIFORNIA



With a custom solution,
this site's projected WUE
improved significantly!

After installation, EVAPCO
eco-Air Adiabatic Coolers
reduced water consumption
by 95% AND eliminated the
need for water treatment.

WET

SUTION



When the local municipality reduced this data center's water supply and implemented escalating penalties to ensure compliance, plans shifted rapidly.

We worked with their designers and identified that our eco-ATWB-H Hybrid Coolers were the ideal solution.

With excellent dry performance, combined with exceptional **free cooling** potential, these units drastically reduced water consumption while virtually eliminating the need for chiller operation.

Contact your local EVAPCO sales representative to learn more about the innovative, highly efficient design of our hybrid options.



IMPROVING BOTH PUE AND WUE

ECO-ATWB-H HYBRID COOLER

THE BEST OF BOTH WORLDS

Together with our automated control system, this solution prolonged dry operation to **reduce annual water consumption by 60%** and minimize the requirement for water storage.

A large teal-colored arrow pointing downwards, centered in the background of the lower half of the image.

WUE

GOING HYBRID

A line graph with four data series in shades of teal and blue, showing a general downward trend from left to right. The lines are jagged, indicating fluctuating data points.

AT ATLAS COOLING TOWER

LOWER ENERGY USAGE

HYPERSCALE SOLUTION

A strictly defined plan area combined with significant cooling requirements (50MW) called for a compact, ultra efficient system. Lead time was also crucial since the data center needed to be operational as quickly as possible.

The AT Atlas modular cooling tower was designed with these challenges in mind. By providing comparable capacity to field-erected units, the site could achieve its low PUE requirements. Faster lead times, as well as fewer piping and electrical connections, allowed multiple cells to be installed quickly.

Compare the Atlas to today's leading cooling options with help from our experienced engineers. Consider the EVAPCO team your partners in providing mission critical cooling.



OPTIMIZING ENERGY



With its modular design, the AT Atlas offers the **highest cooling capacity** and **lowest energy consumption** of all solutions.

 50 MW
NEW YORK

ERGY

Staying at the forefront of technology is just as important to us as it is you. In addition to developing sustainable solutions in our state-of-the-art research facility, we've also produced analysis tools to assist you in creating a holistic view of your cooling system.

Our powerful software can optimize your design process by **calculating annualized performance data** for your location and site-specific requirements. We can provide design engineers with a comprehensive range of **water and energy consumption** data to help identify the best cooling solution for any project. You can expect the final analysis to include:

- + FREE COOLING POTENTIAL
- + WATER CONSUMPTION
- + COOLER POWER
- + CHILLER POWER
- + PUMP POWER
- + pPUE AND pWUE

SPECTRUM
by **evapco**

**LEADING THE
INDUSTRY WITH**



RESEARCH AND DEVELOPMENT

Tour the Wilson E. Bradley Research and Development Center, one of the largest and most advanced facilities of its kind.

With our tools, expertise, and global footprint, EVAPCO can help you reach your targets wherever your next data center may be.



TECHNOLOGY



WORLDWIDE MANUFACTURING FACILITIES



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- EVAPCO Manufacturing Facilities

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