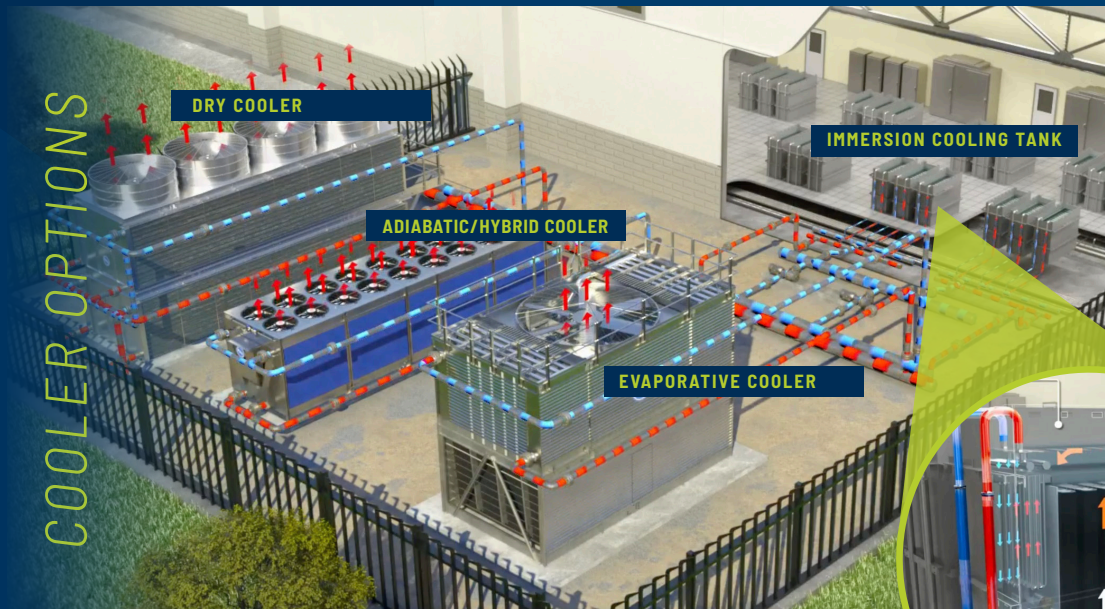




# Complete Data Center Cooling Systems



COOLER OPTIONS



SCALABLE  
HIGH DENSITY COMPUTING



BALANCING  
PUE AND WUE



SUSTAINABLE AND  
RELIABLE OPERATION



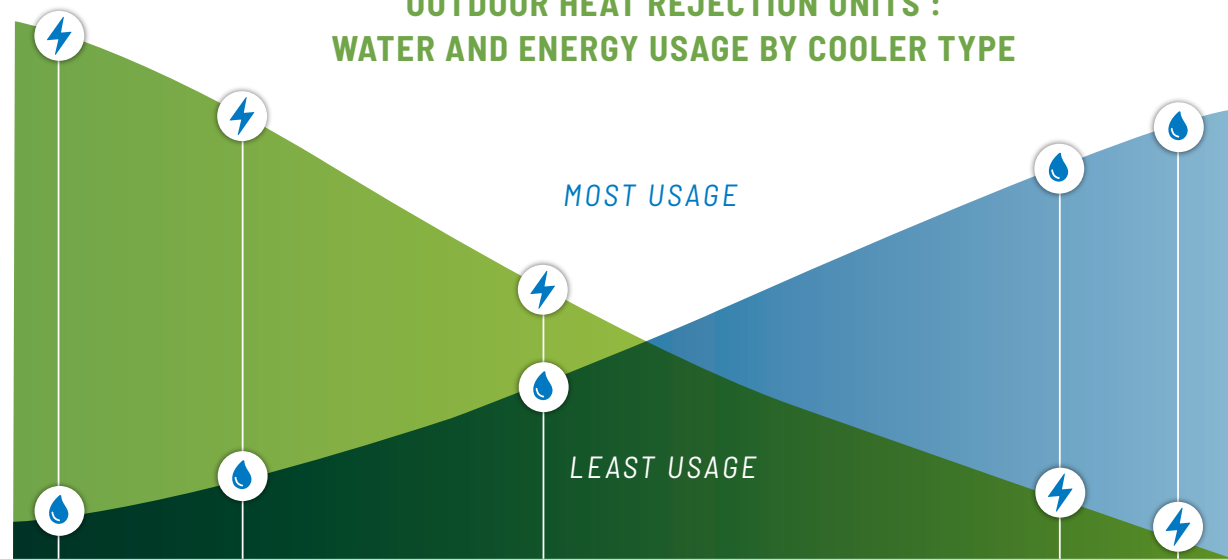
**BAC's cooling solutions combine a wide range of heat rejection technologies with immersion cooling tanks. This enables scalable high-density computing with sustainable and reliable operation for data centers, solving the cooling challenges of tomorrow, today.**



### OUTDOOR: HEAT REJECTION TECHNOLOGIES

Each BAC cooler offers a unique balance between Power Usage Effectiveness (PUE) and Water Usage Effectiveness (WUE), providing options to meet site specific goals. The complete BAC cooling system protects the servers while optimizing data center performance and operating cost.

#### OUTDOOR HEAT REJECTION UNITS : WATER AND ENERGY USAGE BY COOLER TYPE

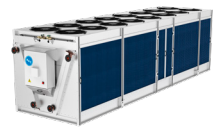


**DRY COOLER**



Use air to reject heat, **no need for water** to cool indoor spaces

**ADIABATIC COOLER**



During the hottest days, **small amounts of water** are used to pre-cool air to save energy

**HYBRID COOLER**



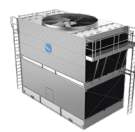
With **both evaporative & dry capabilities**, this solution offers sites a balance of water and energy usage

**CLOSED CIRCUIT COOLING TOWERS**



Keep the system clean and contaminant-free in a closed loop while **using evaporative cooling**

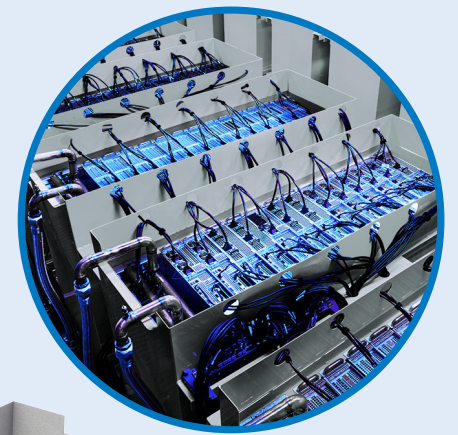
**OPEN COOLING TOWERS**



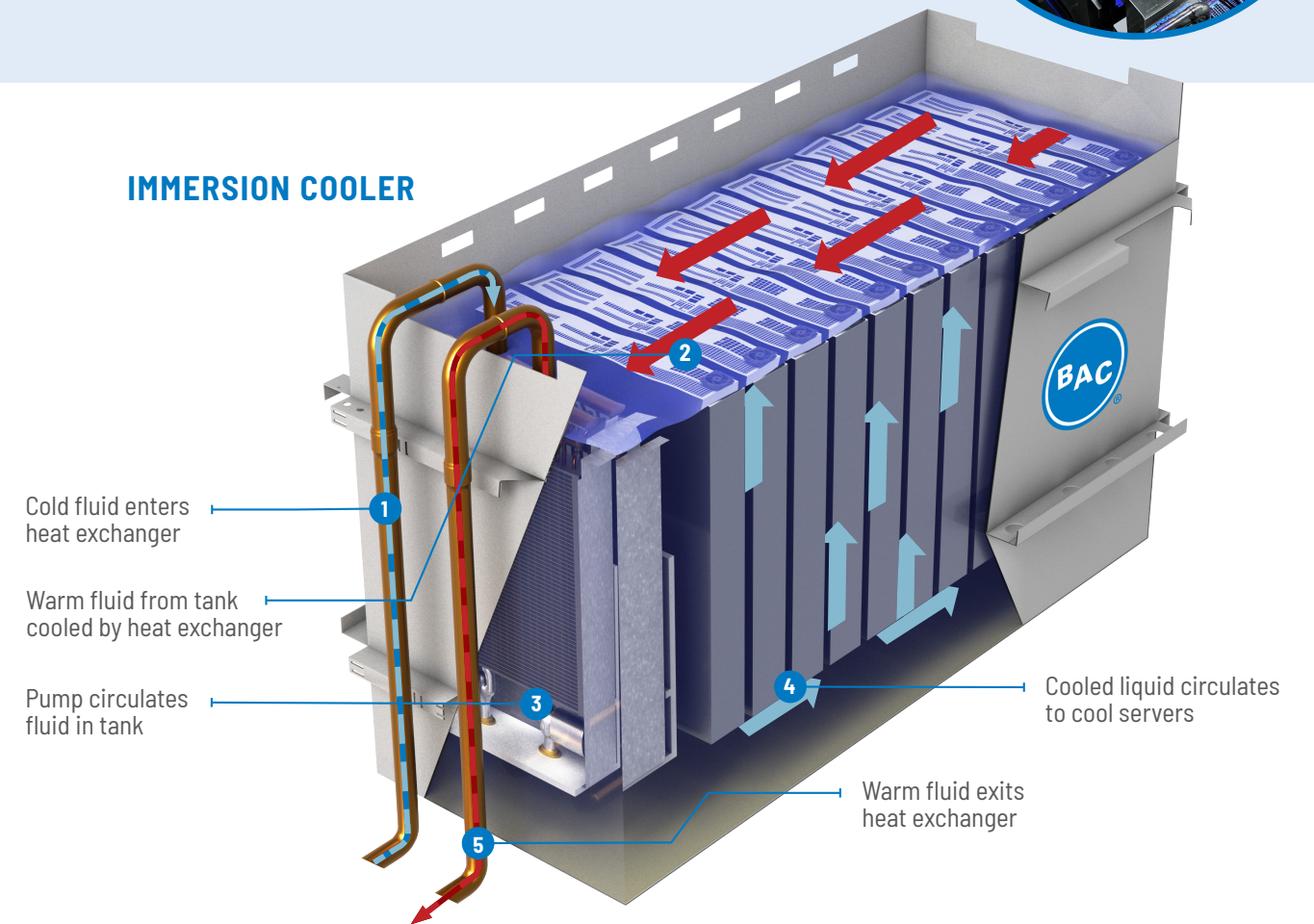
Water flows directly over the heat transfer surface **saving energy**

### INDOOR: IMMERSION COOLING TANK

With the rapid growing demand for data centers, facilities are requiring the most advanced and sustainable cooling solutions on the market. BAC delivers patented and proven immersion cooling technology to cool servers, which have remarkable scalability and maximum energy efficiency.



#### IMMERSION COOLER



#### SCALABILITY

Supports server rack density increases for future expansion in a compact space



#### HIGHEST RELIABILITY

Eliminates common failure points extending server life, no need for a chiller



#### ENERGY EFFICIENCY

51% less overall energy and 95% less cooling energy than traditional designs



#### MINIMAL MAINTENANCE

Virtually zero maintenance required, reducing operational costs

**BAC has unmatched experience providing specialized engineered support and design to address the most challenging applications.**

# WHY BAC?

*BAC is proud to be the world's cooling partner. Since 1938, we have been creating sustainable data center cooling, comfort cooling, process cooling, and refrigeration solutions for the most essential and demanding environments on earth. From pioneering cooling products to leading the industry toward a better tomorrow, BAC innovates for the future, so we can all advance together.*

## EMPOWERING DATA CENTER PERFORMANCE

**12,500+**  
**MW DATA  
CENTERS**  
*in Operation*

**1,000+**  
**DATA  
CENTERS**  
*in Operation*

**900+**  
**GLOBAL  
PATENTS**

**500+**  
**GLOBAL  
REPS**

**12**  
**MANUFACTURING  
FACILITIES**



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### GLOBAL PRESENCE

