

BUILDING BETTER FUTURES

## THREE WAYS HYDRONIC SYSTEMS

## BENEFIT BENEFI

FROM LOWER ENERGY CONSUMPTION TO MAXIMUM UPTIME, MODERN HYDRONICS DELIVER SUBSTANTIAL ADVANTAGES

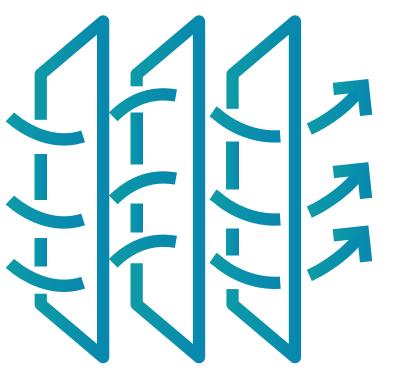
## Data centers are the backbone of every modern industry imaginable,

enabling system operations, data storage, connectivity and communication worldwide. But thermal management of data centers is an enormous challenge that is often overlooked. Now, with artificial intelligence (AI), the energy demand placed on data centers has increased exponentially.



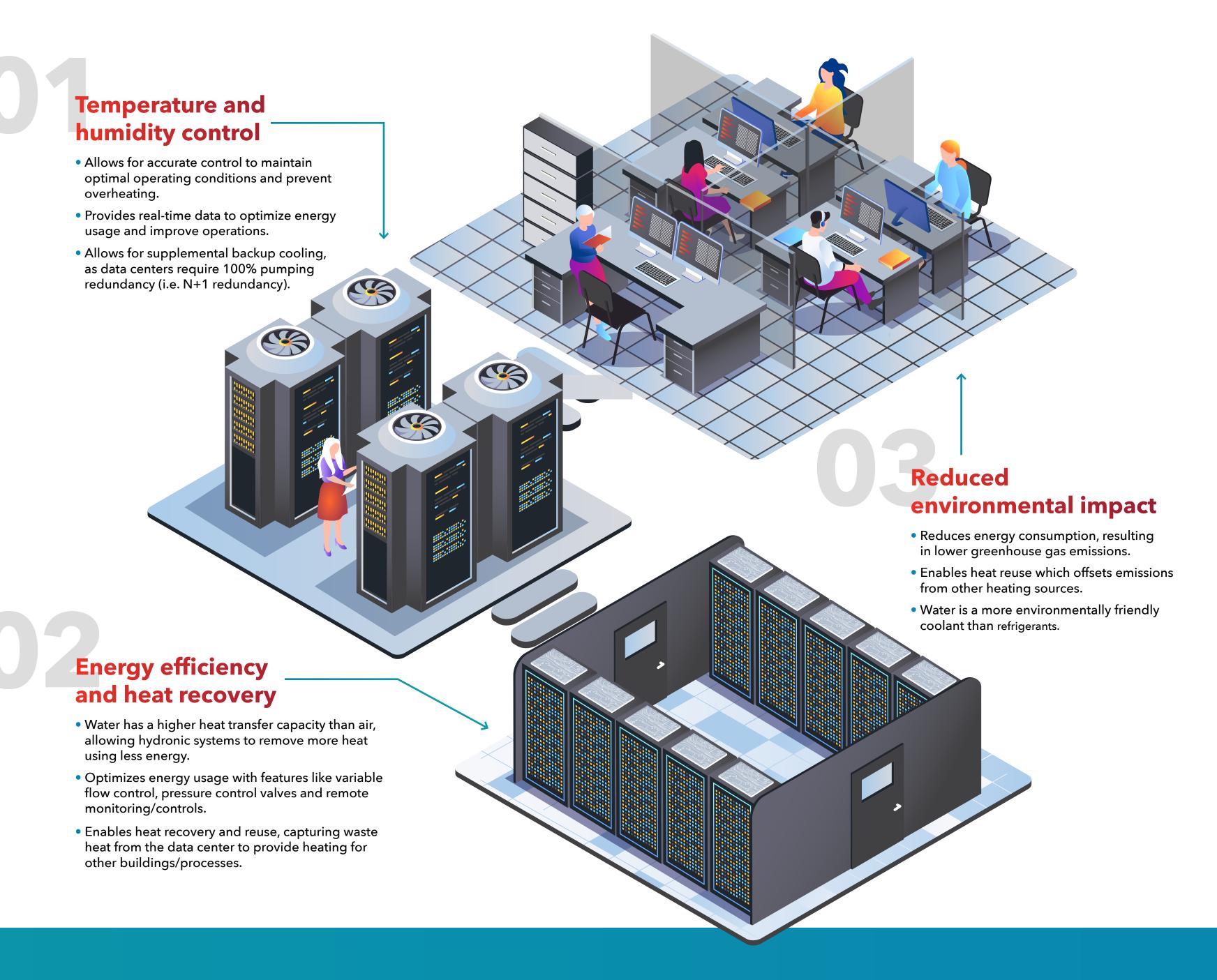


Because AI is super data intensive, it generates a lot more heat that exceeds the capabilities of traditional air-based cooling methods. With significantly higher thermal transfer properties than air, liquid cooling—like water-based hydronic systems—is 3,000 times more effective at removing heat generated by AI hardware and requires less energy to do so.



As the Al industry drives demand for new data centers nationwide, hydronics is quickly emerging as a promising solution to address cooling challenges while improving sustainability and energy efficiency.

Consider the following three advantages:



## DATA CENTERS HAVE BECOME THE BACKBONE OF TODAY'S DATA-DRIVEN WORLD

and cooling systems play a vital role in keeping these mission-critical facilities operational. In their quest for smart cooling strategies, hydronics is an increasingly attractive solution for data center providers seeking to maximize energy efficiency and achieve sustainability goals.

Look for our new white paper on adaptive reuse coming soon.

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