

# Cooling the Cloud: The Shift to Closed-Loop Systems

## LEGACY EVAPORATIVE COOLING

### Millions of Gallons Wasted



Each megawatt of load consumes roughly 100,000 gallons of water. Evaporative systems require a continuous and massive supply of fresh water to operate.

### Continuous Consumption



Water is sprayed across coils and evaporates to carry heat away.

### Evaporative Cooling



**Water Usage**  
Millions of gallons /  
MW / Year



**Water Lifecycle**  
Consumed and replaced



**Facility Type**  
Legacy Data Centers

## MODERN CLOSED-LOOP ENGINEERING

### Recirculated and Sealed



Water is part of the machine, filled once and recirculated repeatedly.

### Minimal Environmental Footprint



Ongoing water consumption is comparable to a small commercial building.

### Closed-Loop Cooling



**Water Usage**  
Fraction of  
legacy models



**Water Lifecycle**  
Sealed and  
recirculated



**Facility Type**  
Modern AI and  
HPC Facilities