Water Use at Our Dumas Facility

Protecting Local Water Resources

How closed-loop cooling protects local water — and the real numbers behind it

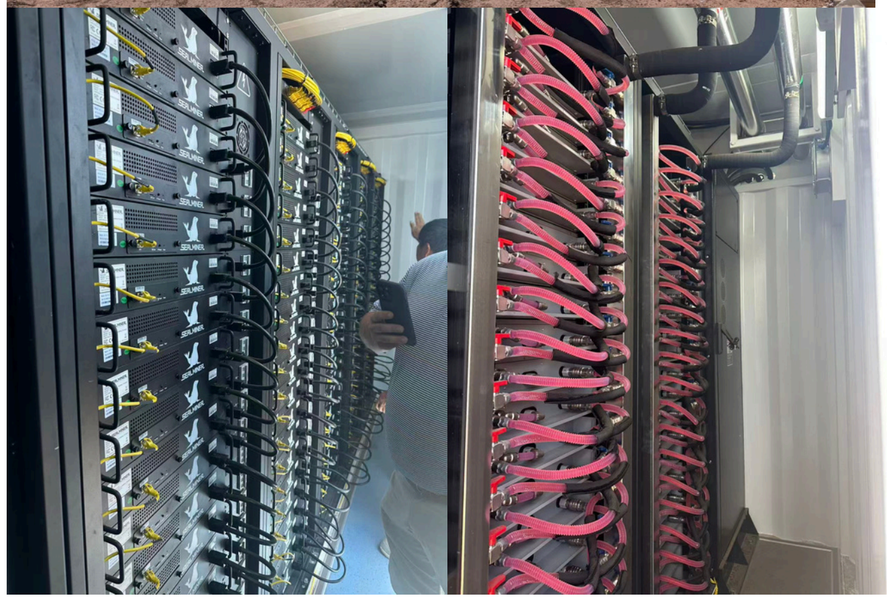
Moore County, Texas · Monday, July 20, 2026

Who We Are

Bitai Technology Inc. — a Texas digital infrastructure company
We build and operate facilities for computing hosting services.

A local facility, a local employer, right here in Dumas
20 MW on 25 acres we own at 221 Flores Street in Moore County.

What the facility does
Racks of specialized computers run 24/7 securing the computing network. Their main byproduct is heat — and how we cool them is tonight's topic.



Our site on Flores Street, Dumas

The Answer: Under 150 Gallons a Year

Cooling make-up water for the ENTIRE site, after a one-time initial fill — less than an average U.S. household uses in a single day (EPA: ~300 gallons/day).

~7,000 gal

one-time initial fill
(construction, not ongoing use)

~143 gal

make-up water per YEAR,
entire site. Equivalent to Less than one household bathtub.

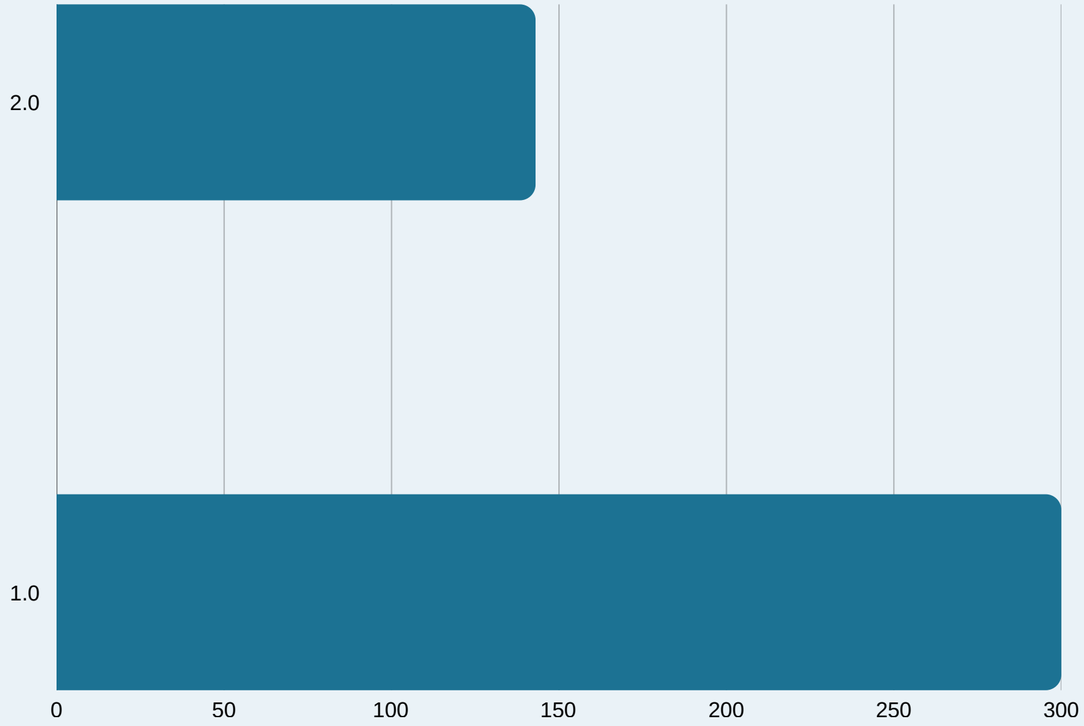
~12 gal

per month — about two household buckets

< 0.5 gal

per day, on average

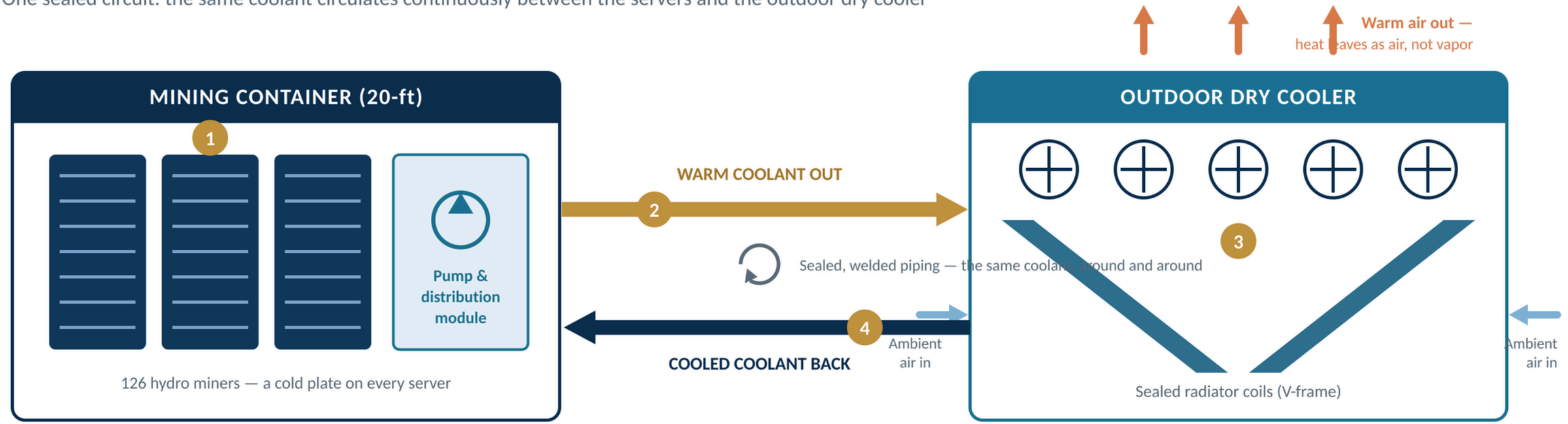
Putting the annual number in perspective



Basis: 18 MW of liquid-cooled containers (16 × 20-ft at 1 MW + 1 × 40-ft at 2 MW) · ~396 gallons of coolant per MW (≈ 7,100 gal total) · sealed-system loss allowance of 2% of volume per year (industry upper bound).

Closed-Loop Liquid Cooling — How It Works

One sealed circuit: the same coolant circulates continuously between the servers and the outdoor dry cooler



1. Cold plates absorb heat from the servers into the coolant
2. Warm coolant travels through sealed, welded lines to the dry cooler
3. Fans blow outside air across the coils — heat leaves as warm air
4. Cooled coolant returns to the servers — and the cycle repeats

ZERO EVAPORATION

No open water surface, no cooling tower, no steam plume

NO DISCHARGE

Cooling water never leaves the site; leak sensors and drip trays at connections

TINY TOP-UPS

~8 gallons per MW per year, added by hand during quarterly inspections

Not All Cooling Is the Same

Closed-loop dry cooling

WHAT OUR DUMAS SITE USES

- Coolant sealed in welded piping — zero evaporation
- Heat leaves through fans and radiators, not water
- Only tiny top-ups for micro-leaks and maintenance

On site today: dry coolers — air only, no spray, no steam, no plume

Sealed stainless piping — fixed, welded connections between each container and its cooler

Nothing Released — No Discharge, No Pollution

No cooling wastewater

The loop is never drained to sewers, creeks, or the ground. There is no cooling-water discharge from this site.

Why top-ups are so small

The only losses are micro-seepage at fittings, maintenance sampling, and filter changes — there is no evaporation loss at all.

Monitored and contained

Remote coolant-level and leak sensors on every container; drip pans under connection points catch and recover any fluid.

No city water or sewer

The facility does not use municipal water and is not connected to the municipal sewer system.

What About Sound?

- The cooling equipment is expected to operate primarily during the warmer months of June through October, and generally only during the daytime hours of approximately 10:00 a.m. to 8:00 p.m.
- The system is activated only when the ambient outdoor temperature exceeds approximately 95°F. During cooler weather, the equipment is typically not required to operate.

Based on the equipment manufactuer’s performance data and our preliminary field measurements:

At 164 ft: ~70 dBA maximum
Standing close to the fence line — comparable to standing on a busy street.

At 330 ft: ~60 dBA
Under normal operating conditions- about the level of a normal conversation.

What it sounds like
A steady airflow “whoosh” from the cooling fans — no clanging, impacts, or engine noise.

Economic Benefits for Moore County

A locally owned and operated facility creates investment, tax base, jobs, and recurring local spending.

~$15 MILLION

INVESTED CAPITAL

Company infrastructure plus customer-owned equipment

~$225,000 / YEAR

PROPERTY TAX ILLUSTRATION

Approximately $225,000 in potential annual property tax contribution, based on an assumed taxable value of $15 million and a conservative 1.5% planning rate.

8 POSITIONS

CONSTRUCTION + OPERATIONS

Expected direct jobs supporting development and ongoing operations

~$9 MILLION / YEAR

LOCAL & REGIONAL SERVICES

Estimated electricity, network, maintenance, and other operating services

Supporting local hotels, grocery stores, construction contractors, electricians, and electrical-parts suppliers.
We are comitted to this community to support local school and non-profit as we grow.

Property-tax estimate is illustrative only; actual taxable value and rate depend on appraisal, ownership, exemptions, and applicable taxing jurisdictions.

Key Takeaways

Five points to remember about the Dumas cooling system.

- ✓ **No cooling tower**
- ✓ **No cooling-water discharge**
- ✓ **No municipal water or municipal sewer connection.**
- ✓ **Less than 150 gallons per year (estimated)**
- ✓ **Sound comparable to conversation / busy-street levels at stated distances**
- ✓ **We are committed to responsible management, school, and well being of local community.**
- ✓ **We are good neighbors and partners.**

Protect local water • Manage sound responsibly • Communicate openly