DCNETWORK

INFRASTRUCTURE & EFFICIENCY

PUE 1.07, On a Fraction of the Water, Live This Quarter

The member-datacenter spec, the low-water cooling story, and the weeks-not-years deployment timeline — in one datasheet.

For: Infrastructure buyers, ESG / sustainability & facilities leads · July 2026 · EU-sovereign, member-owned infrastructure

DCNetwork member datacenters are mobile, air-cooled, and EU-sovereign. They reach a PUE of 1.07 on a fraction of the water a hyperscale hall consumes — and they ship from order to power-on in weeks, not years.

60×	1.07	≈1 MW
NVIDIA B200 GPUS	PUE	CONTAINER ENVELOPE

The hardware (Config A0)

Specification	Value
NVIDIA B200 GPUs (in-house builds)	60
In-house servers + network fabric	32
Racks — mobile container	12
Container power envelope	≈1 MW
Wall draw at full load	≈140 kW
Concurrent users served	100K+
Designed system uptime	99.9%
PUE — patent-pending air cooling, no liquid loop	1.07

The efficiency edge

The comparison against a legacy hyperscale build (industry figures are external and auditable):

Dimension	Legacy hyperscale	DCNetwork
Cooling water	3–5M gallons/day, evaporated	A fraction — recirculating pads use a small, controlled amount
Time to deploy	18–30 months to build (3–6 yrs with permitting)	Weeks — a mobile container, order to power-on
Energy overhead (PUE)	~1.5+ industry average	1.07 measured — nearly every watt reaches the GPU
Placement	Fixed to a few mega-sites	Where power is clean and cheap — or on your premises

The water story

A typical open-loop hyperscale datacenter evaporates 3–5 million gallons of water a day (industry average WUE ≈ 1.9 L/kWh). DCNetwork cools with recirculating evaporative pads — a small, controlled amount of water, a fraction of open-loop use — with no liquid-to-chip loop. Less drought-risk exposure, and none of the community backlash a thirsty mega-datacenter draws.

Weeks, not years

Traditional builds take 18–30 months to construct, and 3–6 years including permitting and grid interconnect. A DCNetwork 12-rack mobile container ships from order to on-site power-on in weeks. Site it on your premises, at an operator rack, or on an energy-adjacent pad. Scale by adding containers instead of waiting on a new build.

The power flywheel

Waste heat and excess power route into co-located Fushuma mining (450+ GH/s). Mining revenue offsets infrastructure capex — lower capex means lower inference pricing — and absorbs excess capacity in low-demand periods, scaling back instantly to free GPUs when AI demand spikes.

TALK TO A HUMAN

Get the full spec for your site

Tell us your power, siting, and capacity needs and we will send the deployment checklist.

Email team@dcnetwork.io · Launch the platform at ai.dcnetwork.io