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Can Mongolia Be a Home for AI Data Centers?

Practical AI by Blaize

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WHERE MONGOLIA STANDS

863 megawatts pledged. A 1.6 gigawatt grid.

Mongolia has an advantage. The question this room asks next is what fills the racks.

Installed national generating capacity

1.6 GW

Data center capacity under signed MOUs (COP17, August 2026)

863 MW

= 54% of the entire grid

Capital is not the constraint. Up to \$2 billion in financing was made available at COP17 for eligible green infrastructure.

Utilization is not a Mongolian problem either — GPU fleets run well below capacity.

What is genuinely world-class

- Power near 8 cents per kWh, against a US retail average around 14 cents
- Eight months a year below 10°C, which cuts cooling load
- Land, a stable legal framework, and grid connection in months, not years

The megawatts are pledged. What fills them decides the return.

Cheap power wins the pitch. Utilization wins the investment committee.

Sources: Euronews, 25 August 2026; Stockholm Environment Institute (2024); Climatescope 2025 (Mongolia tariffs); US EIA (2025 retail prices); public GPU utilization studies, 2024–26.

TWO PATHS, ONE DESTINATION

Inference runs where data lives

Two ways to build an AI data center economy. They compete for the same grid and do not carry the same risk.

PATH ONE

The frontier training campus

Scale to first watt	Hundreds of megawatts
Time to first revenue	Three to five years
Who the customer is	Offshore hyperscalers and model labs
What it is financed on	Speculative offtake, secured late
Who Mongolia competes with	The Gulf, the US, the Nordics, on power scale

PATH TWO

The sovereign inference foundation

Scale to first watt	A pod. Single-digit megawatts
Time to first revenue	Quarters, not years
Who the customer is	Mongolian industry, government, the region
What it is financed on	Contracted workloads, signed before steel
Who Mongolia competes with	Very few. Sovereign hosting is the differentiator

Mongolia’s data is born in Mongolia. Under data-residency rules, the inference that acts on it should run there too.

Path two does not replace path one. It funds it, proves the grid, and builds the operating skill the campus will need.

Blaize

Inference company
with a global footprint,
custom silicon, and a
hybrid AI platform built for
real-world workloads

Mission

Powering intelligent systems to
operate smarter—with scalable,
efficient AI infrastructure

Vision

Enabling AI to drive efficiency,
autonomy, and scale across
every industry

What We Do

Blaize is an inference company delivering a hybrid, edge-to-data-center AI services platform for efficient, scalable inference on complex, multimodal workloads, whereas AI has to run in the physical world.

Core Expertise

- SW solutions
- AI SDKs & tools
- HW broad & systems integration
- Silicon development — SoC, AI

Technology Innovation

- Blaize AI Services Platform
- Hybrid edge + cloud architecture
- Blaize GSP (Graph Streaming Processor)

Partnership Highlights

NOKIA

Global networking infrastructure

WINMATE

Rugged edge computing systems

NeoTensor

AI application partner

Who We Are

HQ: El Dorado Hills, California | **NASDAQ:** BZAI, listed Jan 2025 | **Team:** 200+

USA — HQ, leadership, architecture, GTM, ops

UK — platform, automotive SoC, app engineering

India — core IP, SDK, apps engineering, support

South-East Asia — regional sales and field marketing

UAE — admin, sales, engineering

China — field app engineering

DEMAND

The first tenants are already Mongolian

The sectors that anchor this economy are buying inference, whether or not a campus gets built.

MINING

Ore grading. Haul-truck safety.
Predictive maintenance.

BANKING

Real-time fraud and AML. Video KYC.
Risk scoring.

TELCO

Cell-site optimization.
Signaling fraud.
Enterprise edge inference.

GOVERNMENT

Traffic management.
Border monitoring.
Emergency response.

RETAIL & LOGISTICS

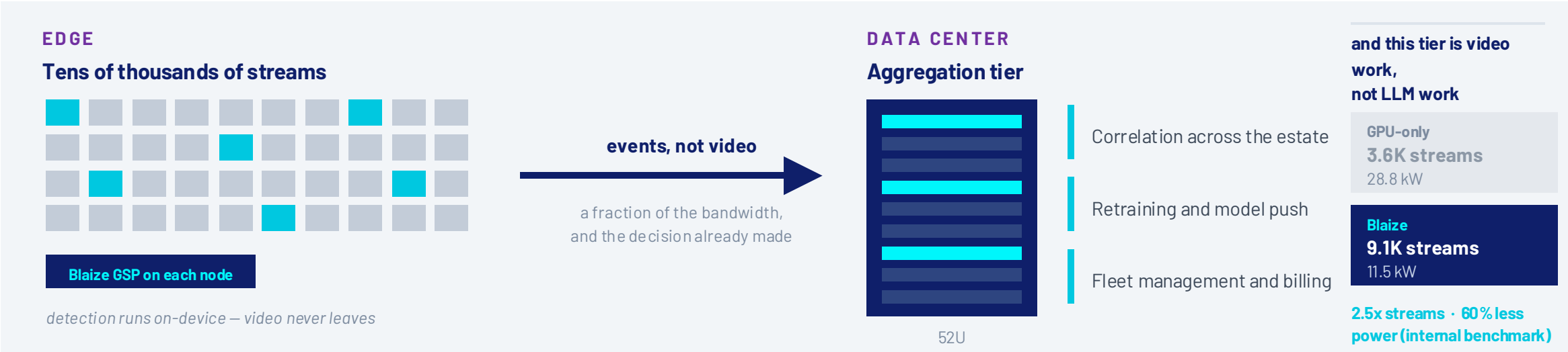
Demand forecasting. Shrink detection. Fleet operations.

None of that is a pilot, and none of it needs a gigawatt.

Production inference, already running on racks that draw a fraction of a training hall. Blaize deploys this pattern today with global telco, smart-city and industrial customers.

Real-world deployment

At ten thousand cameras, neither tier works alone



✗ **Centralized only**

Tens of thousands of video streams is bandwidth you cannot afford and latency you cannot engineer away.

✗ **Edge only**

Every camera becomes an island — no correlation, no retraining loop, no way to push a model to ten thousand endpoints.

✓ **Edge + data center**

Decide at the edge so only events travel. Aggregate and learn in the rack. The shape that holds up at scale.

Same shape, every deployment	Smart city	Smart kitchen	Smart mining
	poles and intersections → traffic ops centre	store and drive-thru → chain-wide ops	pit and haul road → mine control room

Internal Blaize benchmark: 48 Blaize servers (1,152 GSPs, 11.5 kW) vs 24 GPU servers (96 NVIDIA A40, 28.8 kW), YOLOv8s end-to-end object detection.

POSITION

Sovereign by Design needs a fourth pillar

The government's framework secures the ground. Somebody has to secure what runs on it.

01

ENERGY

Generation and grid

02

NETWORK

Routes and transit

03

LEGAL

Data and jurisdiction

04

COMPUTE & WORKLOADS

What runs, and who fills the racks

What Blaize does in that fourth pillar

- More workloads per watt on the estate that exists
- Hybrid racks: Blaize silicon plus third-party GPUs
- Partners that turn capacity into services

Practical AI

Advanced models become systems that work where power, latency and cost decide the outcome. Measured in workloads resolved, not benchmarks won. Data never leaves the country.

Blaize AI Platform – from the Edge to the Data Center

Heterogeneous Inference Across the Compute Continuum

EDGE AI SERVICES



Cameras & vision



Audio & speech



Sensors & telemetry



Robotics & autonomy

Blaize GSP runs standalone inside fixed size, weight, power and thermal limits



5G

LTE / 4G

Wi-Fi

Wired

Private 5G

...and more

DATA CENTER AI SERVICES

Blaize GSP

Blaize GSP + third-party GPUs in the same rack

3rd-Party GPU

Higher useful output per watt at rack scale

Blaize GSP

GenAI, LLM and Physical AI workloads

3rd-Party GPU

Functional APIs for AI services

One rack, heterogeneous

ONE PLATFORM

Orchestration

Model optimization

AI service APIs

Hybrid scheduling



AI DEVELOPER ECOSYSTEM

Edge: small, specialized models – cameras, audio, sensors



Data center: fine-tuning, large models, retraining

THE INVITATION

Pod one. Who is in.

We are not asking this room to fund a campus. We are asking it to fill the first pod.

1

ENERGY DEVELOPERS

Firm power for a pod, not a campus.

2

DATA CENTER OPERATORS

Host the pod. We fill it with workloads.

3

ANCHOR TENANTS

One vertical, one workload, one result.

4

ISVs & INTEGRATORS

Your app on a sovereign stack, sold nationwide.

5

CAPITAL & DFIs

Underwrite workloads, not promises.

What Blaize brings to the table

The compute layer, the services catalog, the integration, and a signed memorandum with the Ministry of Digital Development. Optimize first, deploy second, hand the capability to Mongolian engineers.

Find me at the reception

Find Jacob Puthenparambil on the panel that follows. If you hold one of these five roles, let's talk before anyone breaks ground.

THE TAKEAWAY

Mongolia's AI opportunity is measured in workloads, not megawatts.

And the workloads are already here.

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Practical AI by Blaize



Thank you.

