



NATIONAL STRATEGIC FRAMEWORK FOR DATA CENTER SOVEREIGNTY

ONE-PAGE EXECUTIVE BRIEF

AUGUST 2026



VISION: Mongolia as a sovereign and neutral Northeast Asian zone for AI training, high-performance computing and data storage, ensuring
POWER + NETWORK + LEGAL SOVEREIGNTY.



01 POWER

Campus microgrids combining renewable energy, storage and rapid-response reserves. Initial renewable target: 70-80%, rising above 90%.



02 NETWORK

Terrestrial fiber, multi-operator LEO and optical gateways, international data corridors and independent connectivity standards.



03 LEGAL

Digital Embassy regime, data governance, lawful access rules and internationally compliant jurisdictional protections.

STRATEGIC RATIONALE

Why now: global AI and data center demand is accelerating, while power availability and speed to power are becoming primary siting criteria. Mongolia’s proposition combines cold climate, renewable resources, land and an independent/neutral policy position.

- Integrated model:** POWER+NETWORK+LEGAL SOVEREIGNTY, supported by economic free zones, Digital Embassy, human capital and cybersecurity.
- Constraint response:** project level microgrids, route diversity, water efficient cooling, specialist training and development bank co-financing.
- Policy purpose:** sovereign, independent, reliable, scalable and internationally compliant infrastructure for AI, HPC and data storage.

IMPLEMENTATION ROADMAP

- 2026-2027 FOUNDATION**
Draft Law on Data; governance entity; free-zone regime; site selection; 25-year PPA; LEO sandbox; data-corridor negotiations.
- 2028-2030 PILOT**
First 100-200 MW data center with renewable/storage/reserve microgrid; anchor user; independent satellite connectivity; Digital Embassy; annual specialist training.
- 2026-2027 REGIONAL SCALE**
More than 1 GW installed capacity; second /third projects; >90% renewable share; >5Tbps international transmission; regional positioning.

STRATEGIC PRINCIPLES



SOVEREIGNTY BY DESIGN

Data, infrastructure and operations under Mongolian law.



RELIABLE INFRASTRUCTURE

Resilient power, network and cooling with high availability.



SUSTAINABLE ENERGY

Low-carbon, efficient and environmentally responsible.



NATIONAL CAPABILITY

Build human capital, industry and innovation ecosystem.



STRATEGIC OUTCOME:

Create a transparent and predictable framework integrating renewable energy, storage, transmission, digital infrastructure and AI computing.; develop specialized national capability; and position Mongolia as a reliable, sovereign and independent Northeast Asian hub.