**North Atlas AI – Strategic Brief
Manitoba's First Sovereign AI Compute
Infrastructure
Government Briefing Summary – 2025**

## Executive Summary

North Atlas Compute, an initiative of North Atlas AI, is developing Manitoba's first sovereign, energy-anchored AI data centre. Anchored in Manitoba's clean hydroelectric grid, this centre will secure domestic, reliable AI computing capacity for government, public safety, defence, healthcare, and critical industries.

## National Rationale

Canada mostly relies on foreign-owned cloud infrastructure for sensitive and mission-critical AI workloads. This creates:

- National security vulnerabilities
- Exposure of sensitive government data
- Dependence on foreign technology supply chains
- Limited control over long-term AI capacity

To remain competitive and sovereign, Canada must build domestic AI compute capacity powered by clean, stable, low-cost energy. Manitoba's hydroelectric system provides the ideal foundation.

## Project Overview – North Atlas Compute

**Phase 1 — Planning & Funding (2025–2026)**
- Federal & Manitoba funding alignment
- Site selection & permitting
- Power feasibility with Manitoba Hydro
- Engineering & facility design
- Early government pilot engagement

**Phase 2 — Build & Deploy (2026–2028)**
- Construction of sovereign AI data centre
- Deployment of GPU/accelerator cluster
- Onboarding of government workloads
- Facility expansion planning

**Phase 3 — National Expansion (2028–2032)**
- Integration into national compute network
- Support for pan-Canadian AI systems
- Multi-province expansion opportunities

## Why Manitoba

**Clean Energy Advantage** – Manitoba's hydroelectric grid provides clean, stable, year-round energy for compute-intensive workloads.

**Geographic Stability** – A low-disaster-risk region with strong governance, ideal for critical national infrastructure.

**Expansion Capacity** – Transmission availability, land capacity, and northern corridors create ideal conditions for sovereign compute.

# Government Engagement & Pre-Construction Advisory

- Sovereign Compute Roadmapping
- Funding Pathway & Procurement Alignment
- Technical Feasibility & Site Planning
- Pilot & Discovery Engagements
- AI Governance & Risk Frameworks

# Funding Alignment

**Federal Priorities**
- Sovereign AI & digital infrastructure
- Clean-power anchored technology
- Cross-government AI modernization

**Manitoba Priorities**
- Economic development & jobs
- Energy-anchored industries
- Technology modernization
- Provincial infrastructure growth

# Call to Action

North Atlas AI seeks engagement with federal and Manitoba partners to advance site selection, power integration, funding alignment, and long-term sovereign compute planning.