INFRASTRUCTURE COMPARISON: K® (KENZIE) AND GLOBAL HYPERSCALERS

Strategic Analysis of Enterprise, Artificial Intelligence, and Sovereign Workloads

FEATURE	K® (KENZIE) SAUDI GULF	GENERIC HYPERSCALERS (AWS/AZURE/GCP)
Sovereignty Standards	**Native NCA-ECC Alignment.**Purpose-built for Saudi/GCC regulatory laws globally.	**General Global Standards.** Often requires complex, expensive "add-ons" for GCC compliance.
Power Density for AI	**Ultra-High Density (30kW-50kW+ per rack).** Wholly-owned hubs (Lansing) designed for AI/GPU heat.	**Standardised Density.** Often limited by shared-facility power caps; AI scaling can be throttled.
Facility Ownership	**Wholly-Owned Assets.** Complete control over the "brick and mortar" and power grid.	**Leased Footprint.** Often tenants in 3rd-party buildings (Equinix/Digital Realty), creating a multi-party risk.
Physical Privacy	**Private/Closed-Loop Security.** No 3rd-party landlords; direct chain of custody for all hardware.	**Shared Facility Access.** Multiple tenants and 3rd-party contractors often share the same physical building.
Cost Transparency	**Fixed/Predictable Enterprise Models.** No "hidden" egress fees or variable "API call" surprises.	**Complex Metered Billing.** High egress fees and "vampire" costs make global scaling expensive and unpredictable.
Customer Support	**24/7/365 On-Site Technical Experts.**Direct access to the engineers who own the facility.	**Automated Ticketing Tiers.**Reaching a high-level engineer often takes hours or days without a paid support plan.
Network Strategy	**Strategic "Gatwick Gateway" (West Sussex).** Avoids metropolitan congestion for better DR separation.	**Congested Metro Hubs.** Usually crammed into central Slough or Frankfurt, increasing regional outage risks.

Summary of the K® (Kenzie) Competitive Advantages

1. Chief Information Security Officers should note that while hyperscalers offer standardized compliance solutions, K® delivers comprehensive sovereignty by aligning with Saudi National Cybersecurity Authority (NCA) requirements from inception.

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