⚖️ Privacy, Sovereignty & Compliance

Governing high-density silicon without compromising intellectual property.

At QH8 Technologies, we operate on the principle of Zero-Knowledge Governance.
We deliver deterministic thermal-power enforcement for high-density AI silicon without requiring access to customer AI models, training data, source code, or internal network logic.

Our architecture is designed so that governance does not equal visibility.

---

1. Black-Box Governance Model

Unlike traditional monitoring or observability software that scrapes system and application data, the v008-OBSIDIAN engine functions as an external enforcement layer.

- Data Minimization:
  Only physical telemetry is processed — power draw, junction temperature, and clock frequency.

- IP Protection:
  QH8 does not see, store, or transmit AI weights, training data, customer code, or proprietary logic.
  All competitive assets remain fully contained within the operator's sovereign environment.

This model ensures that governance can be enforced without IP exposure.

---

2. Forensic Compliance & Auditability

QH8 provides a cryptographically verifiable source of truth for governed operation, aligned with emerging 2026 insurance and regulatory expectations.

- SHA-256 Chained Receipts:
  Every enforcement action is sealed in a tamper-evident, cryptographically chained ledger.

- Non-Repudiation:
  Receipts provide objective, independent evidence for:

    - Warranty claims
    - Professional Liability (E&O) audits
    - Loss attribution and subrogation

This eliminates post-incident disputes between operators, vendors, and insurers.

---

3. Global Regulatory Alignment

QH8 is architected for data sovereignty, auditability, and infrastructure risk governance across jurisdictions:

- GDPR (EU): Data minimization and transparent processing boundaries
- CCPA (United States): Right-to-Know alignment and protection controls
- PIPL (China): Cross-border infrastructure and data security considerations
- SOC 2–Aligned Internal Controls: Designed for audit readiness and operational assurance

QH8 governance does not require access to regulated personal or proprietary data.

---

4. Hardware Integrity & Safety

QH8 does not bypass OEM safety mechanisms — it augments them.

By enforcing physics-derived power and thermal boundaries at sub-20 ms latency, QH8 reduces:

- Catastrophic runaway risk
- Repeated transient thermal excursions
- Long-term silicon degradation driven by thermal fatigue

Governance is applied before damage occurs, not after.

Underwriter & Broker Note

For a concise explanation of how these controls reduce loss severity, improve attribution, and support preferred risk classification, please see the QH8 Underwriter Fact Sheet.

Oleg Tatar
President & CEO, QH8 Technologies
📧 contact@qh8technologies.com
🔗 https://qh8technologies.com
📄 Technical Disclosure: https://qh8technologies.com/v008-obsidian

---