Smart Grid Governance

Solution Brief

Real-time verification of load balancing, demand response, and renewable integration policies across distributed AI agents. Claviger enforces grid stability policies at the speed of electricity.

Load Balancing Enforcement: Every load balancing decision from distributed grid agents is verified against stability constraints. Decisions that would create cascade failure risk are blocked before transmission to grid controllers.

Demand Response Governance: Demand response programs are governed by fairness and equity constraints. Peak demand reduction cannot unfairly impact low-income neighborhoods.

Renewable Integration: As renewables increase to 50%+ of generation, AI systems must manage intermittency and frequency response. Claviger enforces the policies that keep the grid stable during high renewable penetration.

Operator Authority: Grid operators retain ultimate authority. Claviger enforces operator-defined policies, providing a trusted verification layer between operators and autonomous systems.