SAFERai.power

EVIDENCE / RISK / TRUST / VALUE

A Practical Approach To Trusted AI For The Electric Power Sector

WHAT SAFERAI.POWER IS

An operational risk framework and open-source assessment toolkit for AI in the electric power sector.

SAFERai.power helps move the sector from fragmented experimentation toward repeatable, risk-informed AI deployment decisions.

THREE QUESTIONS EVERY AI DEPLOYMENT MUST ANSWER

01 **OPERATIONAL RISK**

What is the operational risk of this AI use case?

02 **REQUIRED EVIDENCE**

What evidence is needed from the provider and deployer?

03 **GUARDRAILS & MONITORING**

What safeguards and oversight are needed before and after deployment?

BUILT TO OPERATIONALIZE EXISTING STANDARDS

Complements NIST AI RMF, ISO 42001, IEC 62443, and NERC CIP by translating them into power-sector use cases, evidence, and operating boundaries - not replacing them.

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THE SAFERAI.POWER CONTROL STACK

One common assessment approach.
Consistent evidence for trusted deployment.

ATTRIBUTES ASSESSED ACROSS THE STACK

- Safety
- Accountability
- Fairness
- Explainability
- Reliability

FOUR CONNECTED ASSESSMENT LAYERS

01 DATA & CONTEXT
Inputs and systems the AI touches

02 AI SYSTEM REGISTRY
Models, suppliers, and dependencies

03 TESTING & MONITORING
Performance, scenarios, and drift over time

04 ASSURANCE
Evidence to support trusted deployment

WHERE IT APPLIES

Grid Ops / Planning / Assets / Customer & DER / Cyber & OT / Storm Response

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