Autonomy without governance is a liability.

Most edge AI systems are deployed without architectures that enforce accountability.

The risk of unbounded autonomy

A 2023 Rand Corporation study found 34% of autonomous systems exceeded operational boundaries when facing adversarial inputs.

Latency is a governance metric

In one trial, a 200ms increase in decision latency caused a 17% rise in false negatives for threat detection.

The problem of performance drift

A 2024 NIST report found 61% of deployed models experience performance drift within six months of deployment.

Lack of dynamic triggers

An audit of 18 defense contractors revealed 72% of edge AI systems lacked dynamic governance triggers.

Build for operational trust

Governance is the scaffolding that allows autonomy to operate within bounds. Systems must prove they act within defined limits.

The full breakdown is on the blog.

Link in the first comment.