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# The Risk Decision-Intelligence Layer

## Quantify. Predict. Prove.

**£184m**
avg. annual cost of geopolitical disruption

**30%**
of breaches involve a third party

**63%**
of orgs have no AI-governance policy

DORA · SOC 2 · ISO 27001 · GDPR · NIST CSF · Open FAIR

THE REALITY · 01

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# Built for a world that no longer exists.

Risk now propagates across domains and borders faster than traditional governance can react. Four failures repeat in every boardroom:

### Silos of blindness

Cyber, third-party, operational and geopolitical risk live in disconnected tools.

### Colours, not currency

Boards get heat maps. You can't hedge or budget against a 'red'.

### Blind beyond Tier-1

N-tier and hidden sanctions exposure go unnoticed until it's already costing.

### Hard to prove

DORA / EU AI Act evidence is manual, slow and legally disputable.

**Why now:** 30% of breaches involve a third party (Verizon DBIR 2025); DORA enforcement is live; the GRC market is forecast to ~double to US$40bn by 2030.

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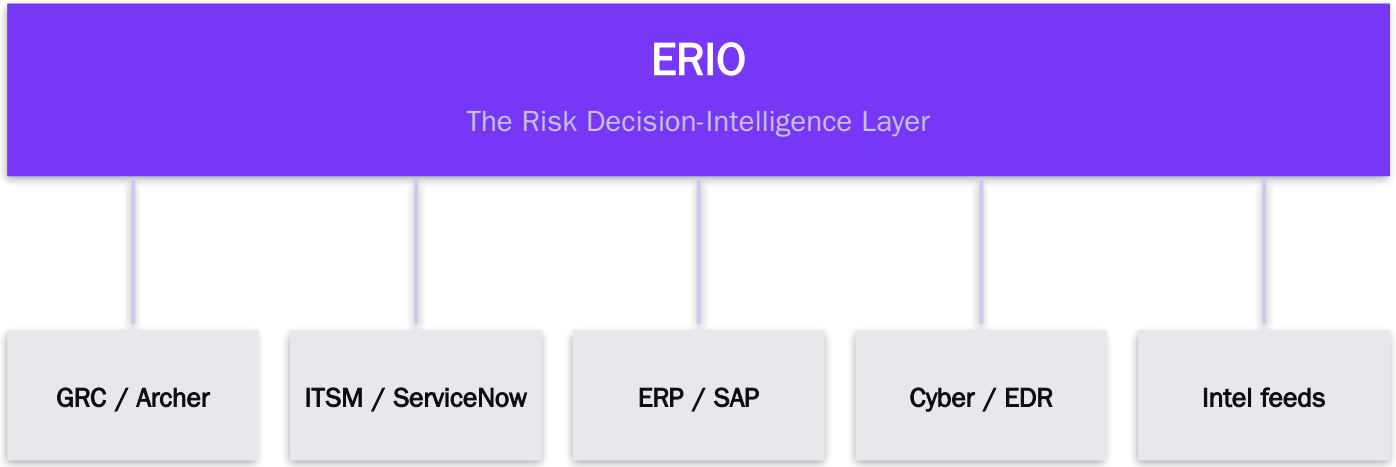
# Where is your organisation today?

Most organisations manage risk as a list. ERIO moves you up the ladder — from periodic reporting to continuous, quantified, explainable intelligence.



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# ERIO orchestrates your stack — it doesn't replace it.




We don't replace your stack — we orchestrate it.

## Quantify

Open FAIR Monte-Carlo → £ loss curves (P10–P90).

## Predict

Contagion cascades across your n-tier supplier graph.

## Prove

Tamper-evident, cryptographically chained — every run saved.

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# Five capabilities. One decision layer.

## QUANTIFY

£ loss curves (P10–P90) via FAIR Monte-Carlo — risk in currency, never colours.

## PREDICT

Foresight engine — contagion cascades and risk velocity, tracked live.

## SENSE

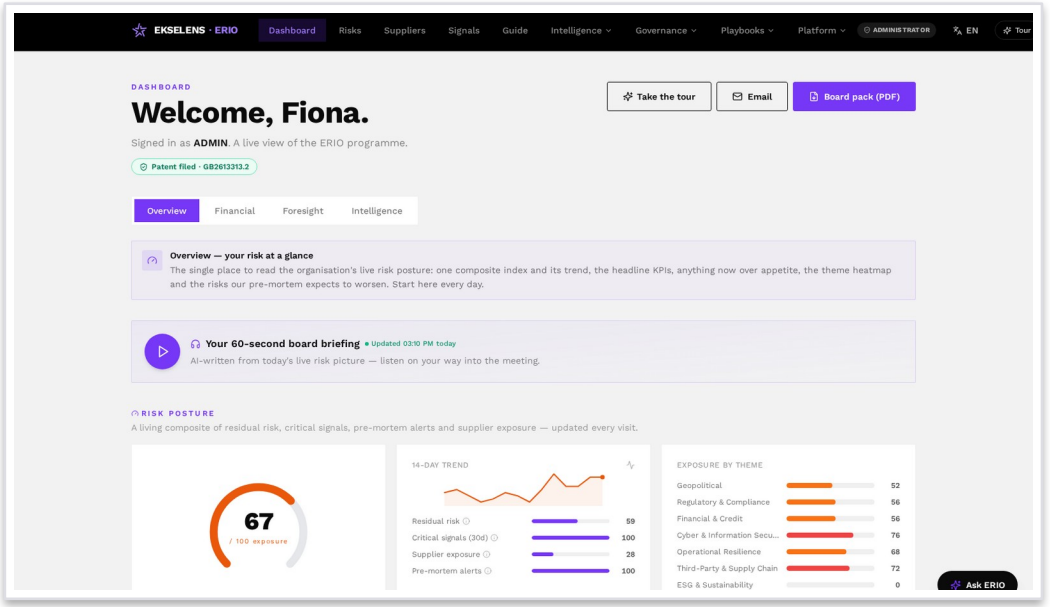
Live signal fusion — global threats, sanctions and disasters, always on.

## ANSWER

Accountable AI copilot — plain-language answers, real maths not LLM guesses.

## PROVE

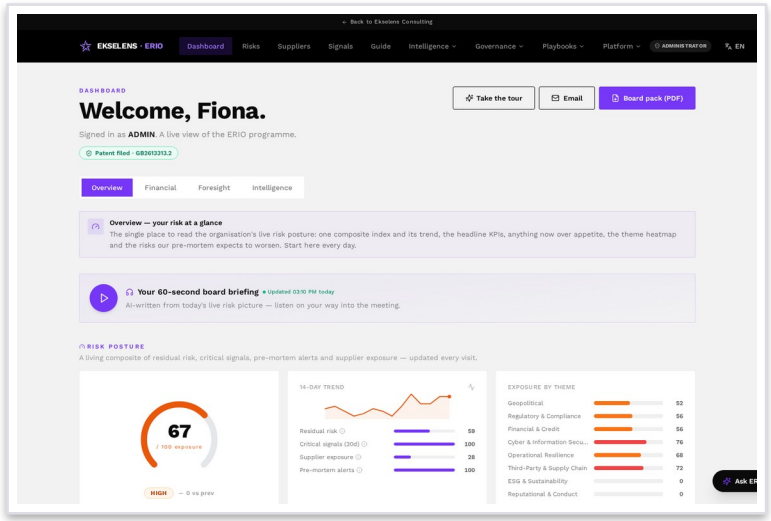
Tamper-evident assurance — every run replayable. Patent GB2613313.2.



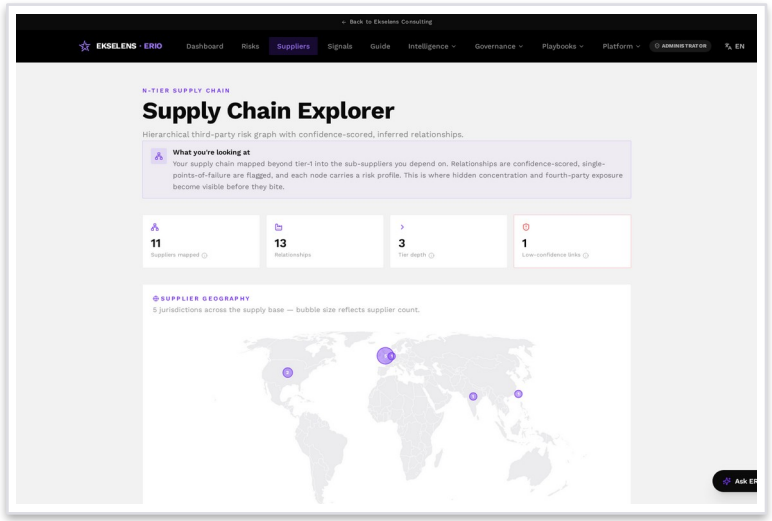

**Ask ERIO** *"Show me the three suppliers where a single failure breaches our DORA impact tolerance."*

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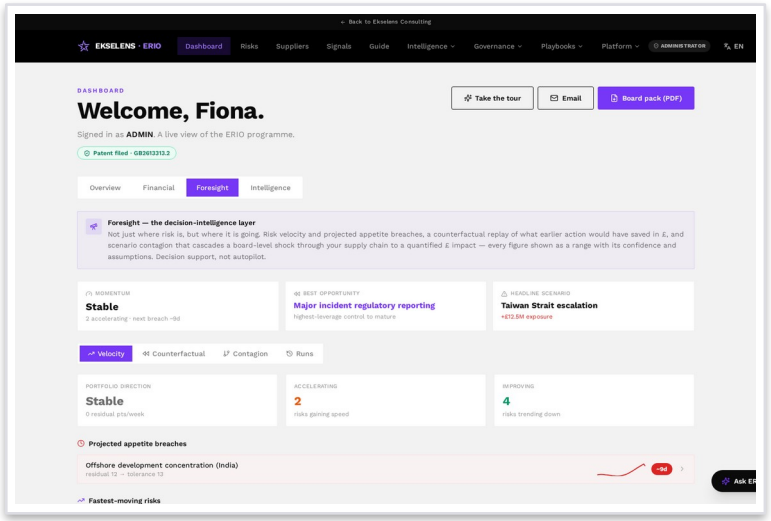
# This is the live product — not a mock-up.




Board dashboard — posture, exposure & velocity




N-tier supply-chain map — concentration & sanctions




Foresight — risk velocity & projected breaches

*A running DORA-aligned FS tenant: real registers, real £ quantification, live intelligence feeds.*

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# A live, closed-loop pipeline — not slideware.

### LIVE INGESTION

GDELT · OpenSanctions · GDACS · CIRCL CVE · D&B / BitSight / RepRisk / Sayari

### NORMALISATION ENGINE

Fused to one schema, deduplicated, tenant-scoped and linked to risks, suppliers and controls.

### ACTION OUTPUT

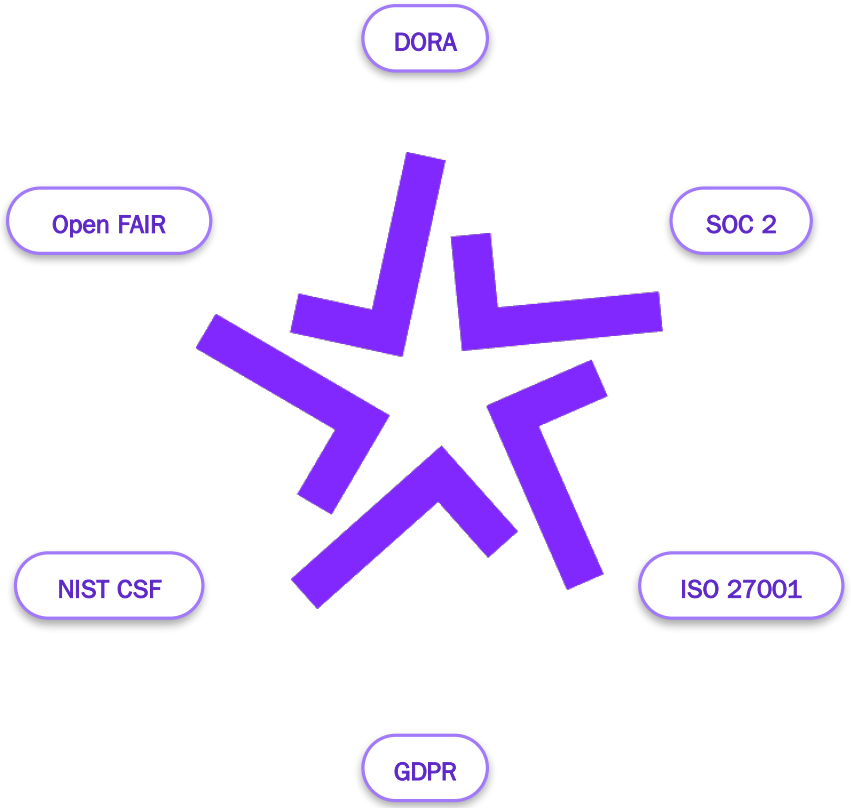
Jira / ServiceNow tickets · £ loss curves · board pack · alert-bell early warning.

## Closed-loop reaction

A ServiceNow P1 incident arrives → ERIO auto-raises a linked risk → re-scores residual & posture → fires an early-warning alert. A Jira task closing matures the control and drives residual down — the outside world changing your posture in seconds.

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# Defensible by design — and patented.




## UK patent filed — GB2613313.2

A defensible moat around the decision-intelligence method.

## Replayable assurance

ERIO locks the exact inputs, FX rates and news text behind every decision.

## Accountable AI

Quantitative questions route to the engine, not the LLM — computed, never hallucinated.

**For boards:** no 'trust me' numbers. **For regulators:** replay any past decision.

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# Where buyers compare, ERIO wins.

| Capability | Legacy GRC | Point solutions | ERIO |
|---|---|---|---|
| Financial quantification (£ P10–P90) | ✗ | ✗ | ✓ calibrated loss curves |
| N-tier supply-chain mapping | ✗ | Tier-1 only | ✓ live graph, n-tier |
| Live external signal ingestion | ✗ | △ some feeds | ✓ GDELT · CVE · sanctions |
| Tamper-evident replayable audit | ✗ | ✗ | ✓ UK Patent GB2613313.2 |
| Deterministic AI copilot | ✗ | △ generic LLM | ✓ calculated, not guessed |
| DORA · ISO 27001 · NIST aligned | △ partial | △ single | ✓ all, one view |
| Integrates your GRC / ITSM / ERP | ✗ replaces | ✗ siloed | ✓ orchestrates |

*Orchestrates your existing GRC / ITSM / ERP — running today on a live DORA-aligned FS tenant, not a roadmap promise.*

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# From reporting cost-centre to decision engine.

## ≥50%

### Fewer tools

Consolidate duplicated reporting into one layer — lower TCO.

## Days → min

### Board pack in minutes

FAIR quantification + automated board packs replace weeks of prep.

## Earlier

### Warning before it bites

Live intelligence + pre-mortems surface exposure early — one avoided tier-2 hit can dwarf the annual cost of the programme.

## n-tier

### Deeper visibility

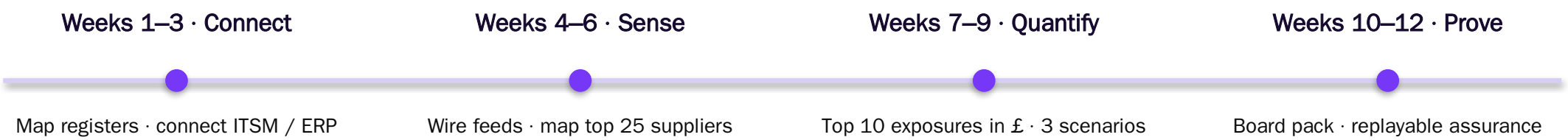
Real-time n-tier and sanctions mapping cuts hidden concentration risk.

*Sources: indicative / aggregated — Verizon DBIR 2025 (~30% of breaches involve a third party); published geopolitical supply-chain disruption surveys (avg. ~US$184m annual cost); AI-governance readiness surveys; MarketsandMarkets GRC forecast (~US$40bn by 2030). Figures illustrative, not customer-verified.*

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# Board-ready value in a single quarter.

The 8–12 week design-partner pilot — fixed-fee, no operational disruption.




### What you walk away with

A live ERIO instance on your systems · quantified £ exposure for your top 10 risks · a board-ready report with P10–P90 loss curves · a fully replayable assurance trail for regulators.

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# Ready to see ERIO in your environment?

### 01 Read the executive brief

The argument, the model and the maturity ladder — in two pages.

erio.ekselens.com/brief

### 02 Walk a live tenant

A running DORA-aligned FS instance — real data, live feeds.

erio.ekselens.com/demo

### 03 Book a pilot scoping call

A 45-minute session to scope fit and agree pilot parameters.

erio.ekselens.com/pilot