



Resilience AI

Building Resilience At Every Step Resilience AI

\$400 billion. That's the total global economic loss from natural disasters in 2024. Only 38% was insured.

Why do insurers still get blindsided despite compliance and modeling?

Only 20-30% of infra projects are climate-assessed (IFC), how much hidden risk are banks underwriting in their growth portfolios?

The insurance industry relies heavily on historical loss data, hazard maps, and probabilistic risk models. The assumption?

- Risk is regional, not hyperlocal at building / asset
- Historical loss data is a fair predictor
- Climate disclosures tick the compliance box

These assumptions no longer hold true in natural disaster

That's a blind spot when:

- 3390 disasters in 2024 → \$290B+ insured losses (Gallagher Re)
- Events like Ian & Asia heatwaves are redrawing baselines
- Most models skip fragility of built assets
- ESG audits miss real costs — lives, sites, premiums

Legacy limitations



Imprecise Mapping,
Generic GIS & satellite overlay



Unscalable Scoring, fail at
portfolio scale



Superficial Checks. Checkbox
exercises or outsourced



No Real-time, failing at crucial
disaster readiness & damage
audit



Highly uncertain stress testing models
missing parametric at built environment



Reactive Compliance, backward-looking
posture for TCFD/SENDAI compliance



Insurers know
risk is rising

So, what's Missing

General Insurance ≠ Readiness

Modeling disaster and environment is complex and needs technology that isn't there in traditional or static models to score exposure — at high accuracy, near real-time, large scale, low cost

Where risk models fall short

- 📍 Local Fragility
- 📊 Broad Models
- 🚫 No Triggers
- 🔄 Static Learning

Why It leads to half measures

- 🏠 Priced Blind
- 🏠 Missed Assets
- 📄 Claims-First
- 🕒 Delayed Signals
- 📉 P&L Bleed

Insurers and enterprises need a system that scores, scans, flags, and reports on multiple parametric-before sanction, not after disaster

- Multi-hazard risk
- Built-environment
- Hyperlocal
- Software AI/ML
- Saves Cost
- Scalable
- Audit-proven
- Budget aligned

How resilient is your policy portfolio
against climate and environmental
stress scenarios?

Resilience360 helps banks assess, plan, and act on climate risk—fast. It's plug-and-play, integrable, and delivers asset-level insights to guide upgrades like flood barriers, fireproofing, and power backups.

Perfect For:

- ▶ Chief Risk Officer:
Need site-specific forward-looking metrics
- ▶ Compliance and Audit Heads :
Need audit-grade traceability
- ▶ ESG & Sustainability Teams:
Need to bridge reporting with action
- ▶ Actuarial Teams:
Need enhanced risk scoring for underwriting models
- ▶ Claims Strategy Heads:
Need real-time, post-event intelligence for rapid response

WORKFLOW USE CASES

Workflow	Legacy Challenge	Resilience360™
Risk Identification	Hazard maps, ZIP-code data, historical averages	ResSolv™ : Hyperlocal diagnostics based on terrain, built form, exposure
Baseline Assessment	Manual scoring, no asset-level insights	ResScore™ : Automated asset-level scoring, ESG-aligned
Scenario Analysis	Static stress testing, no real-time adaptation	ResSuite™ + ResAtlas™ Scenario-based simulations, RCP-aware reporting
Regulatory Reporting	Fragmented data across departments, delayed insights	ResSuite™ TCFD/TNFD/Sendai ready output
Event Response	Claims-led, post-disaster workflows	ResHub™ : Predictive dashboard with parametric alerts, risk flags
Customer Risk Profiling	No personalization, blanket policy terms	ResSolv™ : Customized diagnostics per policyholder asset
Climate Education	Limited awareness within teams and distribution channels	ClimateGuru™ : Enterprise training & capacity building modules
Risk Mitigation	Disconnected advisory, no action path for clients	Act4Impact™ : Interventions, SOPs, and structural insights linked to diagnostics

Feedback loop

Resilience360™	Products Description
Resilience Hub	ResHub™ Interactive dashboard with asset risks exposure, past disaster events, early warnings, parametric insights
04 SCALE Digitized Marketplace	ClimateGuru™ Upgrade policies (ESG, EHS, building design), design architecture and build adaptive capacity
03 ACTION Reduce Risk with controls and compliance	Act4Impact™ Convert insights into metric driven action through automated adaptation activities, strategies, and risk mitigation
02 PLAN Diagnose and Analyse root cause of Risk	ResSuite™ Repository with environmental impact analysis, disaster insights, RCP scenarios, value at risk. ResAtlas™ Empowers data-driven Atlas of natural resources such as Solar, Water, Vegetation
01 DETERMINE Baseline Risk exposure of Buildings to Business	ResSolv™ Creates hyperlocal risk profiles using spatial, climate, and built-environment data—scalable from one building to an entire city ResScore™ Calculate organisation's resilience to assess readiness, peer benchmark and adherence to TCFD, ESG standards

IMPACTFUL SOLUTIONS



Reliable AI/ML at >90% accuracy with 20+ environment and built environment parameters



Near real-time updates for 6 types of disasters (urban flood, coastal flood, earthquake, heatwave, cyclone) with 730,000+ building risk records in 50 cities



Business Resilience Playbook – Tailored business continuity plan with financial metrics (cost of action vs inaction)



Baseline asset resilience in 30minutes and business resilience in 60minutes



Easy to scale - Easy to use integrates with systems, unifies physical & transition risk



Cost efficient tiered pricing-Lite, Basic, Pro-edition for on demand preparedness

RB's 2023 report emphasizes forward-looking climate risk models—but most lenders lack them
Let's change that—one asset, one insight at a time

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