



Resilience AI

How can we use AI and ML with science to better prepare ourselves for an event that is coming?

2025 reality proves that reactive natural disaster management is no longer a viable operation strategy for business continuity and public services

Resilience AI [RAISPL and RAI Inc]

Building Resilience At Every Step

This document is confidential and proprietary to Resilience AI [RAISPL and RAI Inc] and should not be circulated without prior approval

\$800 Billion

Annual Economic Toll
Asset damage and losses

390+

Natural Disasters




3.5 Million

Disaster Deaths
Directly linked to climate events











The Operational Gap

Adaptation Planning India landscape

Risk Assessment is Time + Cost Intensive
Plans are Manual + Printed File

-  **Reactive Response:** Mobilizing only after the flood hits or the temperatures rise; loss database is not real-time (dynamic) risk and vulnerability
-  **Siloed Alerts:** Weather warnings arrive, but no anticipatory "dispatch where" blueprint
-  **No Proof:** Manual spreadsheets and complex models is inconclusive audit trail for budgeting and/ financing

Each Event, Cascading Disruption

- | | | | | |
|---|--|---|---|--|
|  Retail |  Industrial |  Energy |  Real Estate
(Housing) |  Transport |
|  Healthcare |  Infrastructure
(Road, Highway) |  Ports |  Warehouses |  Bank |



**Weather Event movement
No longer the same Lens**

Have we factored?
Living Risk Record and Data to Decision pathway



SOFTWARE

ML, Predictive <-> Agentic AI
80+ parameters, >90% accuracy
990,000 structure
45+ real-time events validated

SYSTEM

Resilience360

IMPACT

Real-time decisions • Cross-agency coordination • Last-mile readiness

CONVERGENCE

TOOLS & TECHNOLOGY

AI • GIS • Remote sensing • Early Warning System • Earth observation

PARAMETRIC

Climate • Geological • Environmental • Built environment • Socio-economic

DATA

Satellite • Drones • Sensors • IoT devices

Application

- Continuity - Power outage, Delayed evacuation
- Reduce service downtime • Power stays on • Hospitals stay reachable
- Planning made faster – Business to City, Urban to Rural
- Multiple plans • Single software • Feedback loop

Technical

- Better, Faster, Cost-efficient • Science, Standards, Scale
- Enterprise AI. On-prem or Cloud. Secure. Transparent



**Resilience Operating System
The Enterprise Edge**

Resilience investments can deliver
250% return in avoided losses



Single-window system

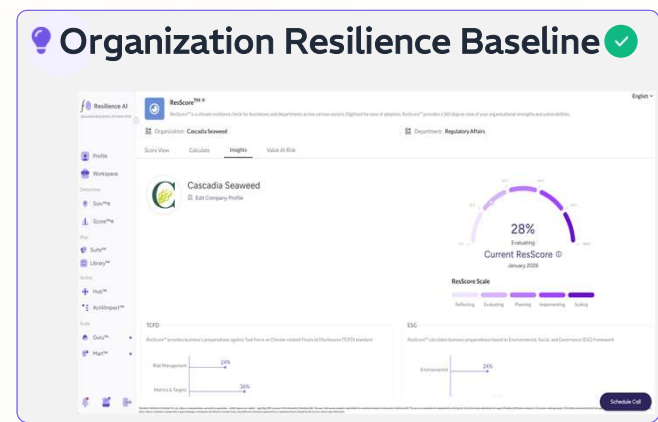
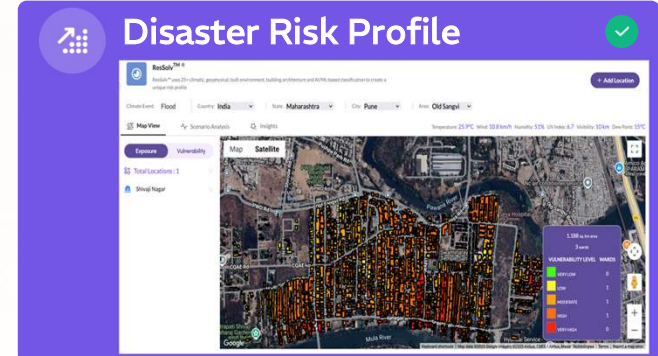
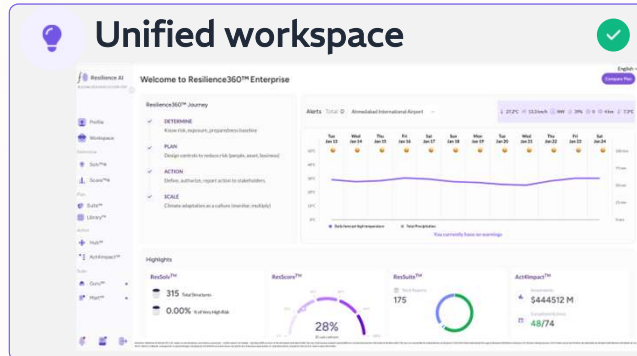
**Location risk and vulnerability
72 hours**
Upstream | Midstream | Downstream

**Enterprise Resilience Factor
72 hours**
Peer Comparison | Budget | Plan

**Compliance Disclosures
96 hours**
Sendai | TCFD | ESG | Force Majeure

**Customized action plan
1 month**
Business Unit | Asset Unit

**Software Go-Live
1.5 Month**



This document is confidential and proprietary to Resilience AI [RAISPL and RAI Inc] and should not be circulated without prior approval



Value at Scale → Science → Signal → Action

80+ Towns/Rural 10+ Cities 200+ Business Assets



Increasing customer value, protect people and profit by adding resilience

Downtime Reduction
30–60%

Response Speed-Up
Up to 70%

Finance Security
15–25%

Accelerate Compliance
Up to 60%

Strategic ROI
Shareholder value, Brand trust, People Safety, Social Responsibility



Google for Startups



EVALUATION

Why Resilience360

 **Novel**

Unified AI and ML intersecting 80+ climate, nature, built-environment, social indicators in a single system



 **Valuable**

Clear ROI through performance improvements in Compliance, Continuity, Safety
Faster, Better, Cheaper



 **Doable**

Proven capability deployed successfully across 100+ business assets, 80+ rural settlements, 10+ urban settlements



 **Relevant**

Direct strategic fit for multi-industry energy, power utility, construction, global supply chain operations, hospitality, county (city), rural, MSME



 **Scalable**

API-first architecture designed for low training and rapid expansion



 PEER CONTEXT

Resilience360
Lifecycle Management



Climate Model



Climate Analytics





Resilience AI

It doesn't
matter if your
infrastructure
is **Smart** or
Green, if
**mother
nature
disrupts it.**

“Every dollar invested in resilience saves many more in avoided losses and protects dignity of those most at risk. We can continue to fund disaster response, or we can invest in resilience,”

Amy Pope

This document is confidential and proprietary to Resilience AI [RAISPL and RAI Inc] and should not be circulated without prior approval