

**Building Resilience At Every Step Resilience Al** 

# Would your data center be operational when the next disaster strikes?

Is your manufacturing operation prepared to withstand the next climate event?

## ~45% of data centers have experienced extreme weather events, 8.8% of those

experienced a service disruption (Uptime Institute Survey, 2021).

## You can't mitigate risk you don't know

Cost of downtime in a sector where seconds equal millions is 5-10x more than prevention

75% of data centers in high-risk areas have experienced power outages or data loss (NOAA)

Globally, data centers are facing rising risk from floods, cyclones, heatwaves, and seismic shifts

Today, data centers are stuck with:

- Legacy methods like manual inspections, GIS overlays, satellite scans
- Risk models are not granularized to measure assets
- Assessment cycles of 3-6 months per project
- Costs that run into \$5000 \$10000 per site (plus consultant fees)
- Disparate data from multiple sources, asset-specific



# **Operators** know risk is rising

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

### Data center operators can't see risk at business downtime and asset uptime level

- 🖰 Multi-hazard risk
- Heat stress
- 🟦 Roof types
- Material grade
- Scalable Hyperlocal Audit-proven Budget aligned

Current models are unreliable, generic, doesn't scale, and worse, it doesn't spot the asset that matters.

The result: blind spots in data center operation and SLA delivery

Data centers 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

## Data center operators who fail to integrate climate risk may face

Imprecise Mapping, Generic GIS & satellite overlay

Superficial Checks. Checkbox exercises or outsourced



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



Highly uncertain stress testing models missing parametric at built environment

| = | Reactive  |
|---|-----------|
| 1 | posture f |

Compliance, backward-looking or TCFD/SENDAI compliance

Learn more: www.resilience360.ai

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Unscalable Scoring, fail at portfolio scale

audit

# The Resilience360 Way Resilience Al



# How prepared is your data center from disaster and environmental stress?

Resilience360 helps data centers assess, plan, and act fast. It's plug-and-play software, delivers actionable insights for individual center and overall operational resilience to guide upgrades like flood barriers, fireproofing, and power backups.

#### Perfect For:

eedback loop

- Global Data Center Operators
- Edge Data Center Providers
- Infra Planners + Risk and Compliance
- ESG, EHS, Finance

#### WORKFLOW USE CASES

| Workflow                     | Legacy Challenge   | Resilience 360  |  |
|------------------------------|--|---|--|
| Disaster resilient racks     | Near real-time data center level risk<br>assessment missing or unreliable, cost<br>intensive, time consuming | Near real-time and on-demand risk<br>assessment of the center in <8 hours at<br>30%-50% of the cost of alternatives |  |
| Site Selection & Expansion   | Relies on basic GIS and cost overlays  | 730,000 building risk records for<br>hyperlocal climate risk mapping  |  |
| Uptime Planning              | Cooling, power focus — climaterisk<br>missed   | Adds flood, heat, seismic into uptime plans   |  |
| Compliance & ESG Reporting   | Generic or outsourced ESG reporting  | ResScore™ auto-aligns to global<br>frameworks, Sendai, TCFD, TNFD   |  |
| Infrastructure Resilience    | Generic plans miss structural risk   | Parametric risk analysis, 20+ environment<br>and built environment parameters: slope,<br>drainage, access           |  |
| Emergency Preparedness       | SO Ps lack site-specific risk dat a  | Policy upgrades with seasonal updates<br>(EHS, ESG, AOP)  |  |
| Vendor & U tility Assessment | Infra gaps like power unchecked  | Flags risk to nearby infra (power, access, water supply)  |  |
| Portfolio Strategy           | No cross-site risk benchmark   | Dashboard compares risks across sites,<br>both greenfield and brownfield  |  |
| Insurance & Premium Pricing  | Premiums based on generic zones  | Site risk improves pricing + negotiation  |  |

|                | Resilience 360™  |  | Products Description  |  |
|----------------|--|--|---|--|
| Resiliend      |  | ence Hub   | ResHub™   | Interactive dashboard with asset risks<br>exposure, past disaster events, early<br>warnings, parametric insights           |
| 1              | 04   | SCALE<br>Digitized Marketplace   | ClimateGuru <sup>™®</sup><br>Upgrade policies (ESG, EHS, building design), design<br>architecture and build adaptive capacity                           |  |
| <br> <br> <br> | ACTION<br>Reduce Risk with<br>controls and<br>compliance<br>PLAN<br>Diagnose and Analyse<br>root cause of Risk |  | Act4Impact <sup>***®</sup><br>Convert insights into metric driven action through<br>automated adaptation activities, strategies, and risk<br>mitigation |  |
| <br> <br> <br> |  |  | ResSuite <sup>™</sup><br>Repository w<br>insights, RCP<br>ResAtlas <sup>™</sup><br>Empowers da  | ith environmental impact a nalysis, disaster<br>scenarios, value at risk.<br>ata-driven Atlas of natural resources such as |
|                | DETERMINE<br>Baseline Risk exposure<br>of Buildings to Business  | Solar, Water,<br>ResSolv <sup>™®</sup><br>Creates hype<br>built-environ<br>entire city | Vegetation<br>rlocal risk profiles using spatial, climate, and<br>ment data—scalable from one building to an  |  |
|                |  | ResScore <sup>™®</sup><br>Calculate org<br>benchmark a                                 | anisation's resilience to assess readiness, peer<br>nd adherence to TCFD, ESG standards   |  |

91% of CROs rank climate risk as top priority, but only half know their true exposure. Only 20–30% of infrastructure projects are climate-risk assessed before financing Source: IFC, 2022

#### **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 flocal, coastal flocal, earthquake, heatwave, cyclane) 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

Learn more: <u>www.resilience360.al</u> Phone: +919501376356 Contact: partnership@resilience360.ai

Let's change that—one asset, one insight at a time.