




THE CHALLENGE

Building damage from disasters conflict, earthquakes, floods devastates communities, yet assessment remains slow and inconsistent in many response systems.

-  **Rapid onset disasters** create urgent need for wide-area damage information.
-  **Field assessments are slow**, dangerous, and often limited to accessible areas only.
-  **Understanding damage extent** and severity remains limited at regional scales.
-  **Decisions must be made** without consistent, objective damage intelligence.
-  **Response efforts risk being delayed, misdirected, or under-resourced.**

GET STARTED

-  **Request a sample analysis**
See the power of building damage intelligence for your area.
-  **Explore a pilot region**
Test and evaluate the value for your projects.
-  **Integrate into your programs**
Strengthen planning, monitoring and impact at scale.

Actionable Urban Damage Intelligence for Resilience and Recovery.



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Building Damage & Recovery Assessment

FOR DAMAGE ASSESSMENT AND RESILIENCE
PLANNING.

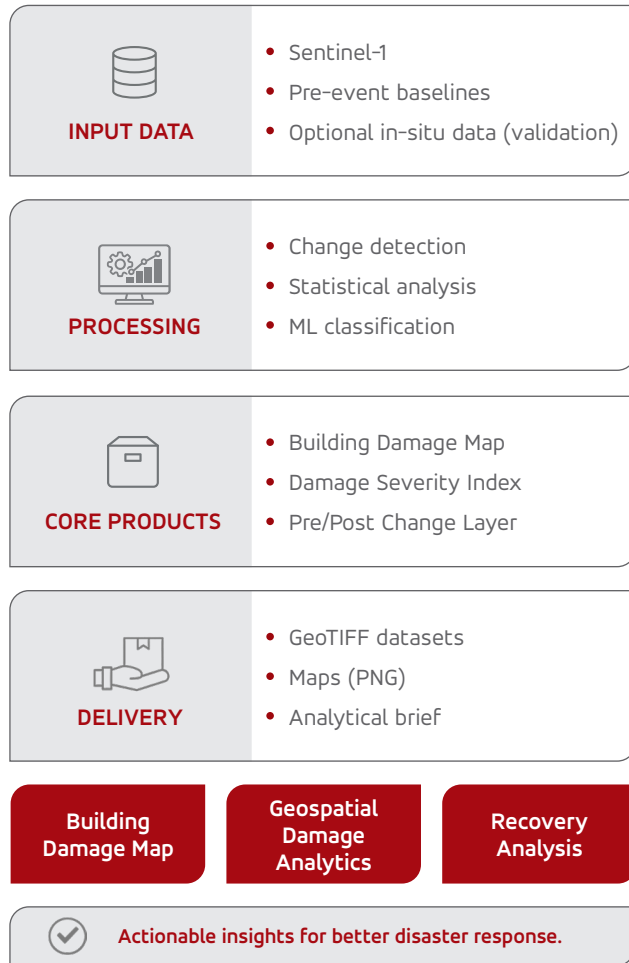
-  Satellite analytics you can rely on
-  Actionable insights you can trust
-  Decisions that build community resilience



OUR SOLUTION

Building damage from disasters conflict, earthquakes, floods devastates communities, yet damage assessment and recovery planning remain slow, fragmented, and poorly coordinated across response systems.

PRODUCT ARCHITECTURE



USE CASES



BUILDING DAMAGE CONFIDENCE MAP

- Detect damaged and destroyed structures across wide areas.
- Identify spatial patterns of destruction and impact zones.
- Classify damage confidence levels.

Supports rapid damage assessment.

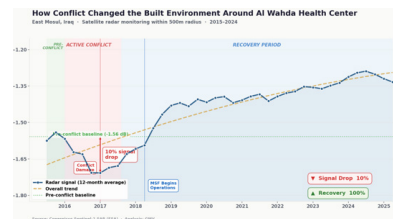
DAMAGE SEVERITY INDEX

- Standardised indicator of building damage severity.
- Enables comparison across regions and time periods.
- Provides damage analytics by over-laying geospatial datasets.

Supports prioritization of recovery actions.

POST DAMAGE RECOVERY ANALYSIS

- Links pre-event baselines to post-event observations.
- Improves understanding of causal factors behind damage.



Improves understanding of reconstruction and its investment.

SCALE OF APPLICATION



PRODUCT VALUE

- Rapid Decision-Making**
Faster targeting of relief and recovery efforts.
- Comparable Metrics**
Supports cross-regional analysis and benchmarking.
- Early Warning Capability**
Identifies emerging damage before full reports are available.
- Scalable & Global**
Providing early damage insights without immediate field access. Ground validation data strengthens accuracy.
- Enhanced Transparency**
Enhances monitoring, reporting, and accountability.

DEVELOPMENT USE CASES

DAMAGE QUANTIFICATION WITH THE WORLD BANK

- Health Facilities Damage Estimation & Recovery Analysis**
Quantifies extent of damage across building footprint. Analyses recovery of damaged buildings over time.
- Urban Impact Quantification**
Estimates affected population and infrastructure pressure.

DAMAGE CONFIDENCE MAP OVER MOSUL, IRAQ

