ATI

DISASTER RECOVERY SERVICES

LEVERAGING TECHNOLOGY FOR PROACTIVE DISASTER RECOVERY

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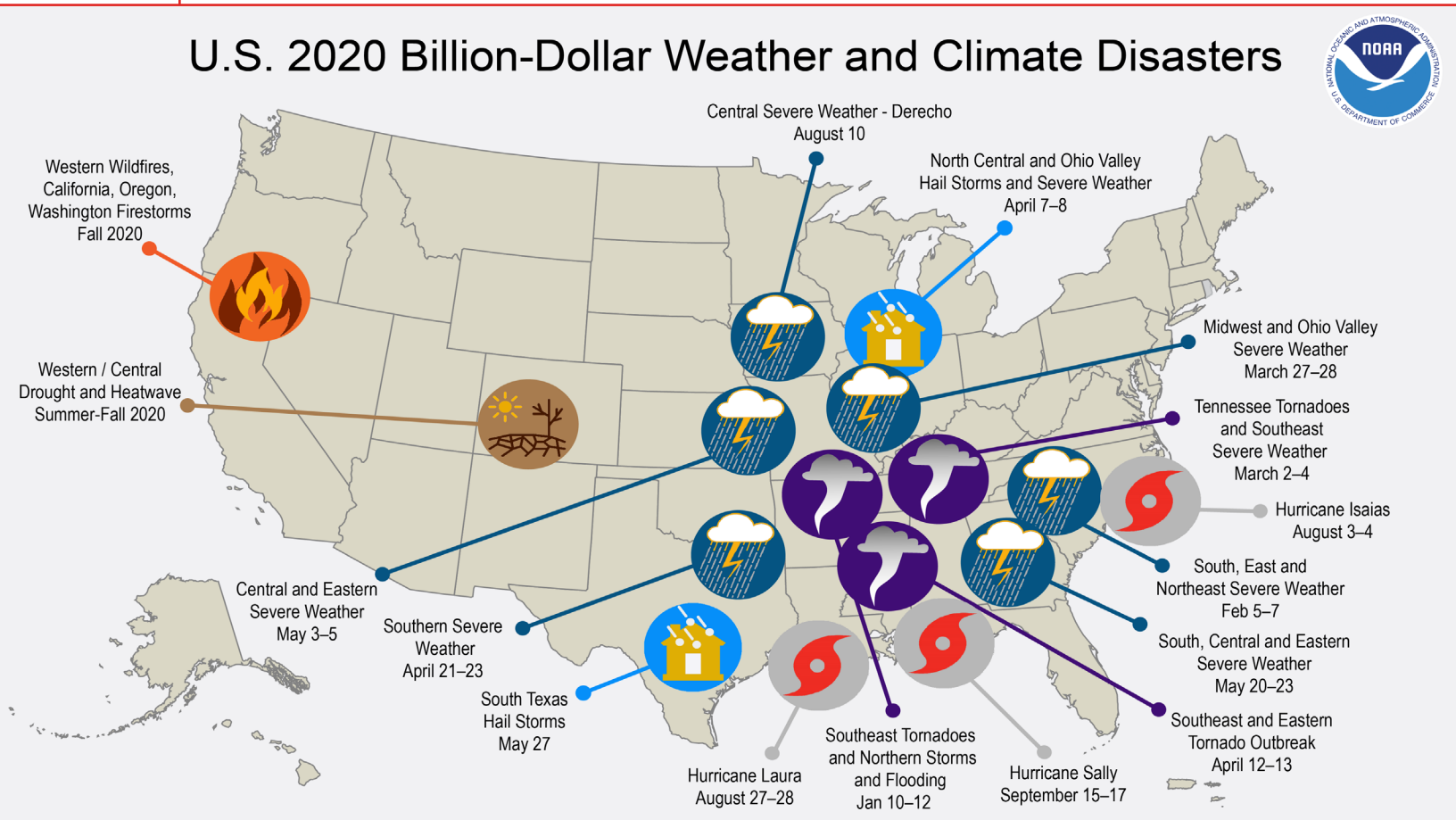
Introduction

TECHNOLOGY TO RECOVER FAST

While disasters are inevitable, the lengthy time and high costs spent in repairs could be mitigated with a proactive business continuity plan (BCP) and innovation. Multiple technological tools have surfaced to help companies and their buildings prepare and quickly recover when they do hit. After a year full of state-wide fires, catastrophic weather and a pandemic, disaster preparedness is no longer an option. It is a mandatory means of good business. These technological tools are some of the best resources in preparing and repairing your building assets fast.

BUILDING DISASTER ASSESSMENTS

A thorough evaluation of your buildings and their prominent risks prior to a disaster will streamline your claims with insurance and improve communication with the contractors making repairs. This evaluation will shape your full contingency plan before disaster strikes, directly impacting the speed of recovery. A disaster recovery contractor like ATI can assess your business and buildings, establish a plan, implement the proper technological tools, and train your team to execute action items immediately with a detailed roadmap.



*This map denotes the approximate location for each of the **16 separate billion-dollar weather and climate disasters** that impacted the United States **from January–September 2020**.*

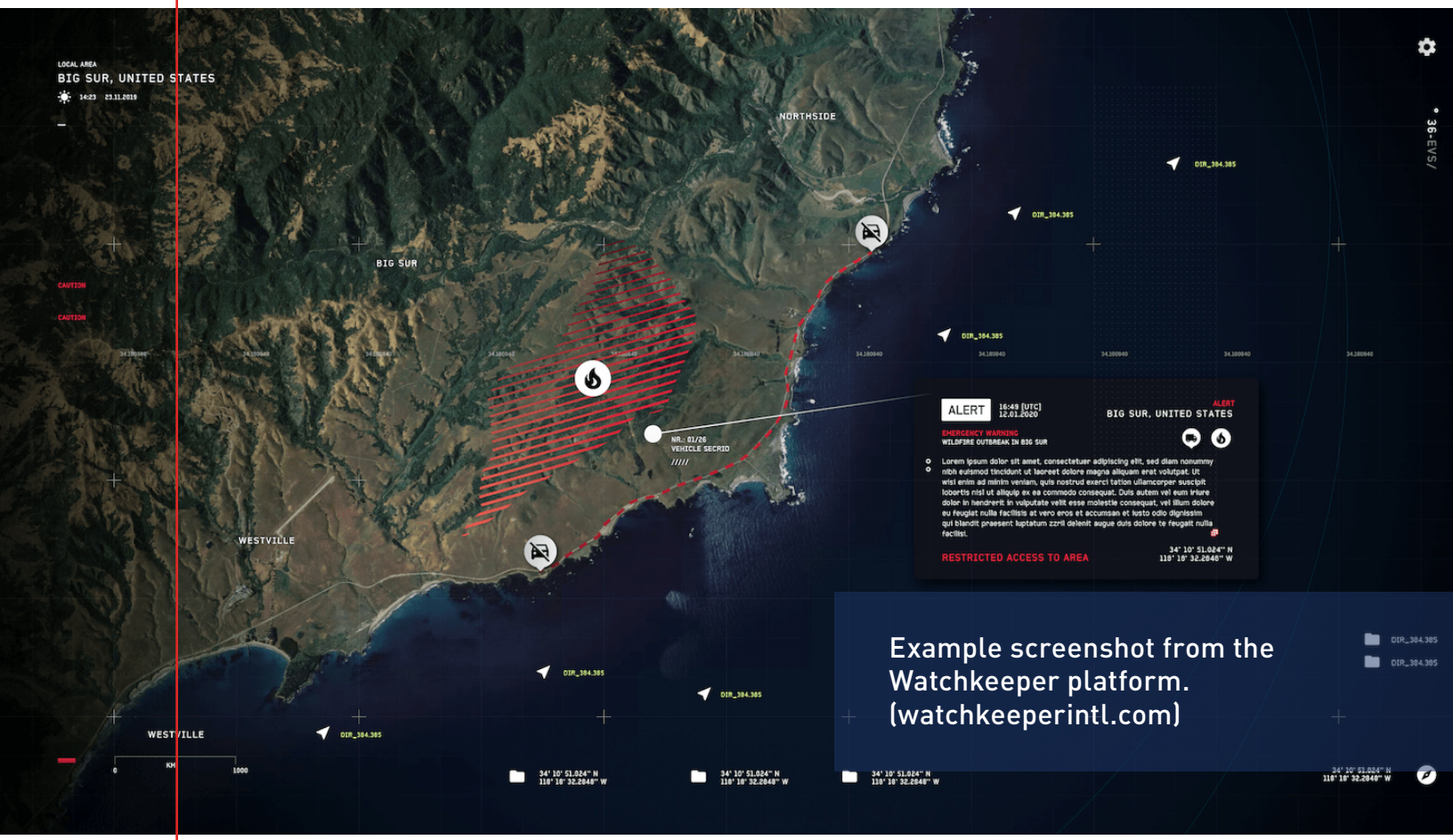
Watchkeeper

VISUALIZE, TRACK & PROTECT CRITICAL OPERATIONS

WatchKeeper is a situational awareness platform for monitoring natural disasters, violent incidents and public health emergencies. With Watchkeeper, the ATI team can evaluate your physical building for potential risks and evaluate your national and local regions for weather and disaster trends. This helps the team create a custom disaster recovery plan for your space.

The Watchkeeper platform allows our team to:

- Visualise all risks in one common operating picture
- Track active and historic incidents
- Identify and review incident hotspots and trends
- Review incident timelines with action items
- Create bespoke maps and alerts for major events
- Benchmark against other industry peers and sectors
- Benchmark against other building locations
- Quickly identify people, assets and supply chains near risk events



Example screenshot from the Watchkeeper platform. (watchkeeperintl.com)

3-D Scanning

MATTERPORT AND OTHER BUILDING SCANS

Building 3-D scanning (often using Matterport) is a critical tool for disaster recovery and evaluating a building's condition in general. The ability to scan a building and create an exact 3-D model of the space expedites the building assessment and insurance claims cycle while efficiently speeding up the overall disaster recovery process. Insurance companies can proactively scan a building in preparing an underwriting policy as well as scan the building post-disaster to evaluate damage. Scanning delivers one comprehensive and interactive model, complete with dimensions and notes. This singular, consolidated model eliminates the need for extensive paperwork and multiple inspections, and serves as a tool for communication with building owners, insurance companies and contractors.

Scanning has been proven as the most accurate way to capture a building's dimensions and condition both pre- and post-disaster. One study reviewed several completed sketches performed manually against others completed by the 3D scanning process. A review of the data from this research showed that the Matterport scan was 99% accurate (with 1% +/- accuracy) and that the manual sketch was only 66% accurate. Whether it was an insurance settlement or a contractor's estimate, the manual sketch misrepresents the material owner's interest in the evaluation and/or repair process.

QUICK AND ACCURATE: 3-D SCANNING CASE STUDY

To prove the efficiency of laser scanning from both a time and cost estimate perspective, the ATI team conducted a study. The team used a 373.95 SF model with three rooms: the average SF for water loss from a plumbing leak in the United States. There are two estimates on average for any disaster, one focused on loss and mitigation and the other a rebuild estimate. This process could lead to multiple trips by different individuals. As part of the study, the impact of both hard and soft cost was evaluated. A room was sketched, scoped, and all estimating activities were captured timewise and recorded to replicate the above loss.

ATI averages 13,380 Xactimate estimates per year. Scanning delivers a hard cost savings of (or around) $123,191.41 and a soft cost savings of 159 days per year.

Method of Measure	Time to obtain measurements	Time to transfer measurements to sketch	Overall Time
Tape Measure	14 min, 1 sec	10 min, 43 sec	24 min, 44 sec
Laser Measure	10 min, 32 sec	10 min, 43 sec	21 min, 35 sec
3D Scan	5 min, 7 sec	N/A (TruePlan)	5 min, 7 sec

Aerial Imagery

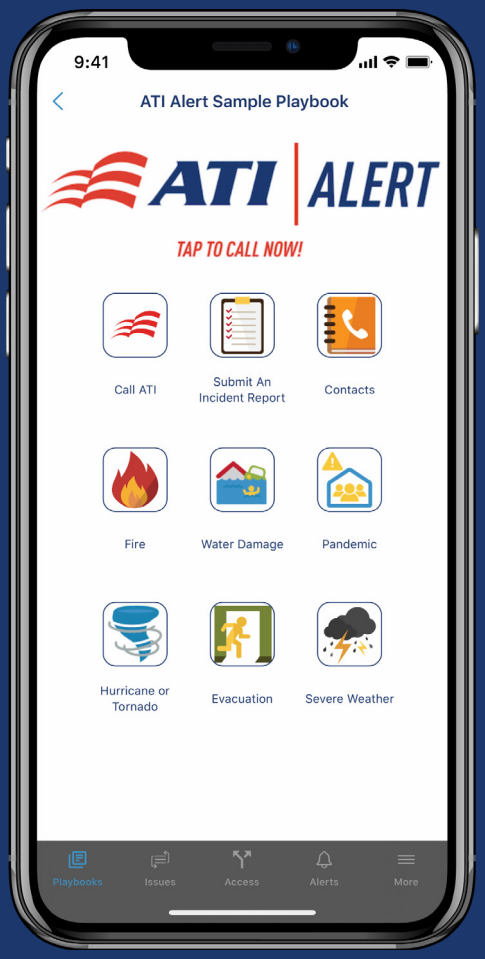
One of the most significant time and accuracy tools to evolve in property restoration is aerial imagery. Aerial imagery began to surface in property insurance circa 2008. When first introduced, this product was met with uncertainty. As this tool evolved, it was proven to expedite the claim and damage repair process by drastically cutting inspection time and activities that involved obtaining and documenting measurements and roof characteristics. The product is both quicker and more accurate than many roof diagrams, and many aerial imagery programs support estimating. Given all these attributes, almost 98% of commercial properties use aerial imagery for roof inspections.

Cooperative combination of 2-D (monocular) and 3-D (stereoscopic) information allows for a complete representation of buildings and property. To acquire a new site model, an automated building detector drone is run on one image to hypothesize potential building rooftops. The precise 3D shape and location of each building is then determined by multi-image triangulation under 3D geometric constraints. Projective mapping of image intensity information onto these building models results in a realistic site model that can be rendered using virtual “fly-through” graphics. As new images of the site become available, extensions and refinement procedures are performed and added to improve the geometric accuracy of the existing 3D building models. In this way, the system gradually accumulates evidence over time to make the site model more complete and more accurate.

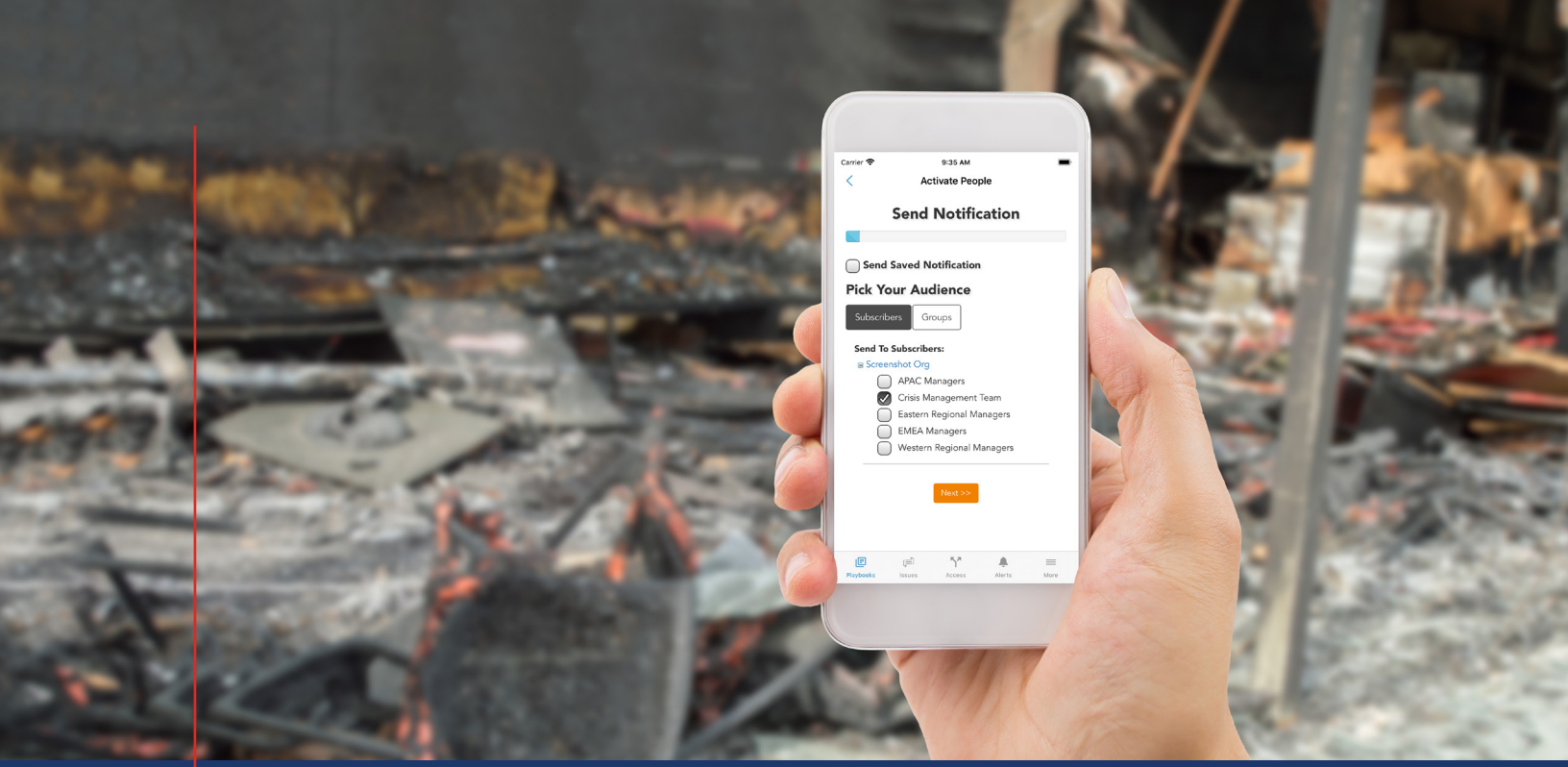
ATI Alert: One Comprehensive Tool

The ATI Alert app is a turnkey recovery and crisis planning tool. It provides easy access for key stakeholders who need to coordinate an emergency response in the event of a disaster. Recovery of personnel and property is critical, and every second counts. The ATI Alert app can be used during a crisis for emergency action and after a crisis for coordinating property restoration and fire/water/mold damage remediation. Perfect for any size organization, the ATI Alert app makes engaging protocols intelligently easier, more efficient, and more effective. The results include a safer workplace, faster disaster recovery, quicker property restoration, and savings to the bottom line.

- Gain one-tap access to continuity, disaster recovery, safety, and crisis plans in an actionable format
- Activate your customized response team to send alerts, notifications, and incident reports
- Better prepare and train your teams with evacuation routes, maps, and key contact information
- Respond faster with scenario-based shared checklists
- Limit property damage and danger to your people
- Rebuild and restore with minimal cost and maximum coordination
- Effectively communicate during all phases of fire/water/mold damage/remediation



Even in Phase 1 of an organization's utilization of ATI Alert, the platform adds true value for risk mitigation and financial and liability savings. Rolling out all aspects of a business continuity plan (BCP) and ensuring that every individual with the organization has access to the necessary information takes a lot of time and resources to do so. With everything in one place for best practice, the platform works as a communication tool for everyone involved in the organization. As information is updated, so is the app. So every time someone within the organization opens the app on their device, they are receiving the most recent, updated information.



RESPOND TO DISASTERS WITH ONE TOUCH

Acting as both a business continuity manager (BCM) and an advanced risk management information system (RMIS), ATI Alert provides management teams with an unparalleled way to activate and mobilize organizations before, during and after crises. To ensure further mitigation and recovery, the platform's interface is completely customizable to match the business' needs. Depending on the event, the application provides the necessary and specific evacuation routes, actions to be taken, and one-click buttons for connecting to emergency lines and key contacts within the directory.

The app is designed to fit companies with mid to large size portfolios. Playbooks are tailored to fit the role and position of the people at the organization. With incident reporting, the contact button for insurance, facility management, maintenance, emergency responders, building tenants, et al, is shown. For best practice, the key contacts can be called and then the user can upload pictures, videos and descriptions to submit the report. Once the submit button is clicked, within seconds it alerts all the key stakeholders, whether it's a first alert call center, insurance company, risk manager, adjusters, brokers, or even ATI. Therefore, every stakeholder knows what to do with the information provided so that swifter and more efficient action can be taken. Especially during a crisis, communication is key and ATI Alert helps close the gaps in communication.

"[During an emergency crisis] it's hard to remember who you're supposed to call for certain things," says Jeff Magoon, Executive Vice President of Sales and Marketing at ATI. "So having all that key contact information in one location for your team is very important and saves a ton of time, and it's always accessible 24/7."

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ATI RESPONDS TO CATASTROPHES NATIONWIDE

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