THINK POWER SOLUTIONS®

Storm Services
Capabilities & Solutions

Think Power Solutions | At-A-Glance

Who We Are

Founded in 2013 with the vision of utilizing modern technology to influence and positively impact the utility infrastructure industry, Think Power Solutions (TPS) has established themselves as a trusted partner in delivering electric infrastructure solutions powered by leading technology, practices, and people.

300+
Employees

Great Place To Work. Certified MAY 2024-MAY 2025 USA

SAFE + SOUND AT WORK — SAFE + SOUND Week — www.osha.gov/safeandsound

Our Core Values

- Entrepreneurship
- Accountability
- Safety
- Transparency

Our Services

- CONSTRUCTION MANAGEMENT
- ENGINEERING SERVICES
- PROJECT MANAGEMENT
- STORM RESPONSE
- SURVEYING & STAKING
- PROTECTION & CONTROLS

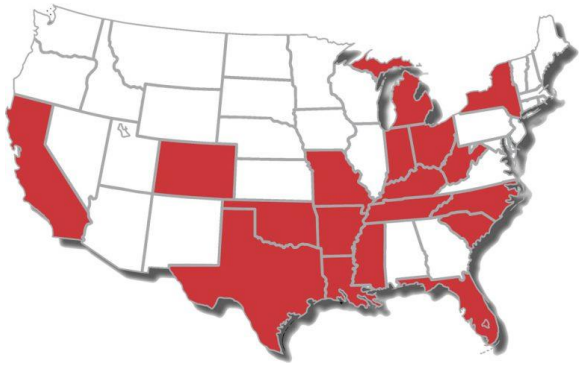
Core Markets

- TRANSMISSION
- DISTRIBUTION
- RENEWABLES
- GAS
- TELECOM

Our Customers

ONCOR
AMERICAN ELECTRIC POWER
DUKE ENERGY
CenterPoint Energy
entergy
Consolidated communications
SAM HOUSTON ELECTRIC COOPERATIVE
FEC FAYETTE ELECTRIC COOPERATIVE, INC.
gvec Delivering more.
PEC

Where We Work



Think Power Solutions | Fast Facts

12
Years in Business

5000+
Projects Completed

1000+
Number of Substations

30K
Miles of Transmission Line

20K
Miles of Distribution Line

10K
Miles of Telecom Line

$100B+
Total Capital Program Value Supported

$1B+
Dollars Saved for Our Clients

2M+
Injury-free Work Hours

Our Capabilities | Services We Offer

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Construction Management

- Construction Oversight
- Quality Assurance & Inspections
- Outage Coordination
- T&D Line Patrol

Project Management

- Project Controls
- Regulatory Compliance
- Data & Risk Management
- Material Management

Protection & Controls

- Relay Testing Services
- Transformer Testing
- Commissioning Services
- Circuit Breaker & Switch Testing
- Substation Equipment Testing

Storm Response

- Damage Assessment
- Wire Down Guard
- Safety & Security
- Crew Mobilization

Surveying

- Right of way
- Easement Surveying & Staking

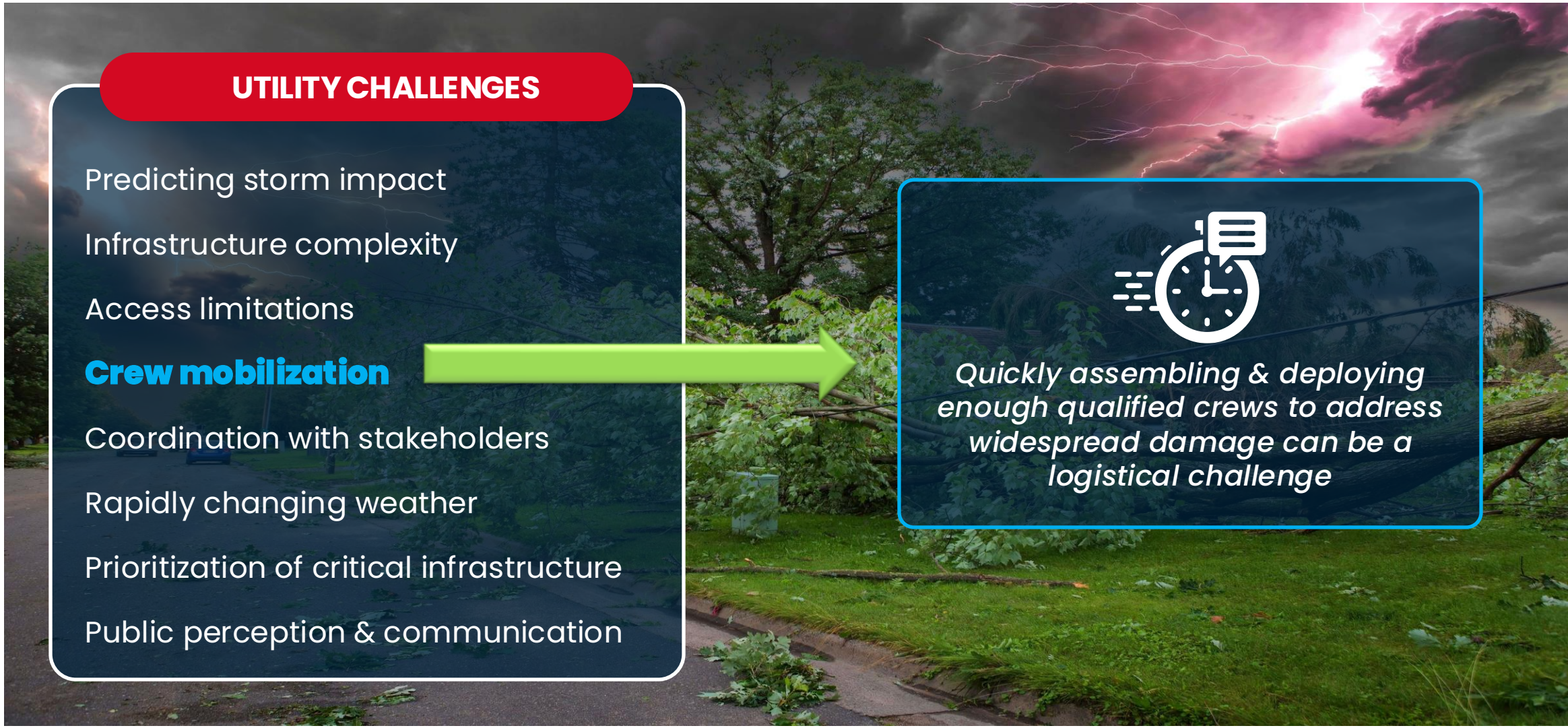
Engineering

- Standards & Specifications
- Source Inspections
- Permitting
- Distribution Design
- Pole Loading Analysis
- Owner's Engineer
- P&C Design

EHS & HPI

- Consulting & Administrative
- Training
- Risk Assessment & Auditing
- Incident Investigation
- Human Performance Improvement
- Staff Augmentation

Storm Response



UTILITY CHALLENGES

- Predicting storm impact
- Infrastructure complexity
- Access limitations
- **Crew mobilization**
- Coordination with stakeholders
- Rapidly changing weather
- Prioritization of critical infrastructure
- Public perception & communication

Quickly assembling & deploying enough qualified crews to address widespread damage can be a logistical challenge

Addressing a Key Critical Need

AGILITY

Platform developed to locate qualified crews & gain commitment within minutes

FLEXIBILITY

Allows for mobilization according to the utility's desired location and schedule

EFFICIENCY

Removes guesswork and provides accurate headcount and availability

ACCURACY

Accurate time & expense tracking & invoicing

VISIBILITY

Accurate field updates with photos and documentation (per client needs)

Demo

DEMO

Targeted Tracking: Pinpointing Storm Responders by Region

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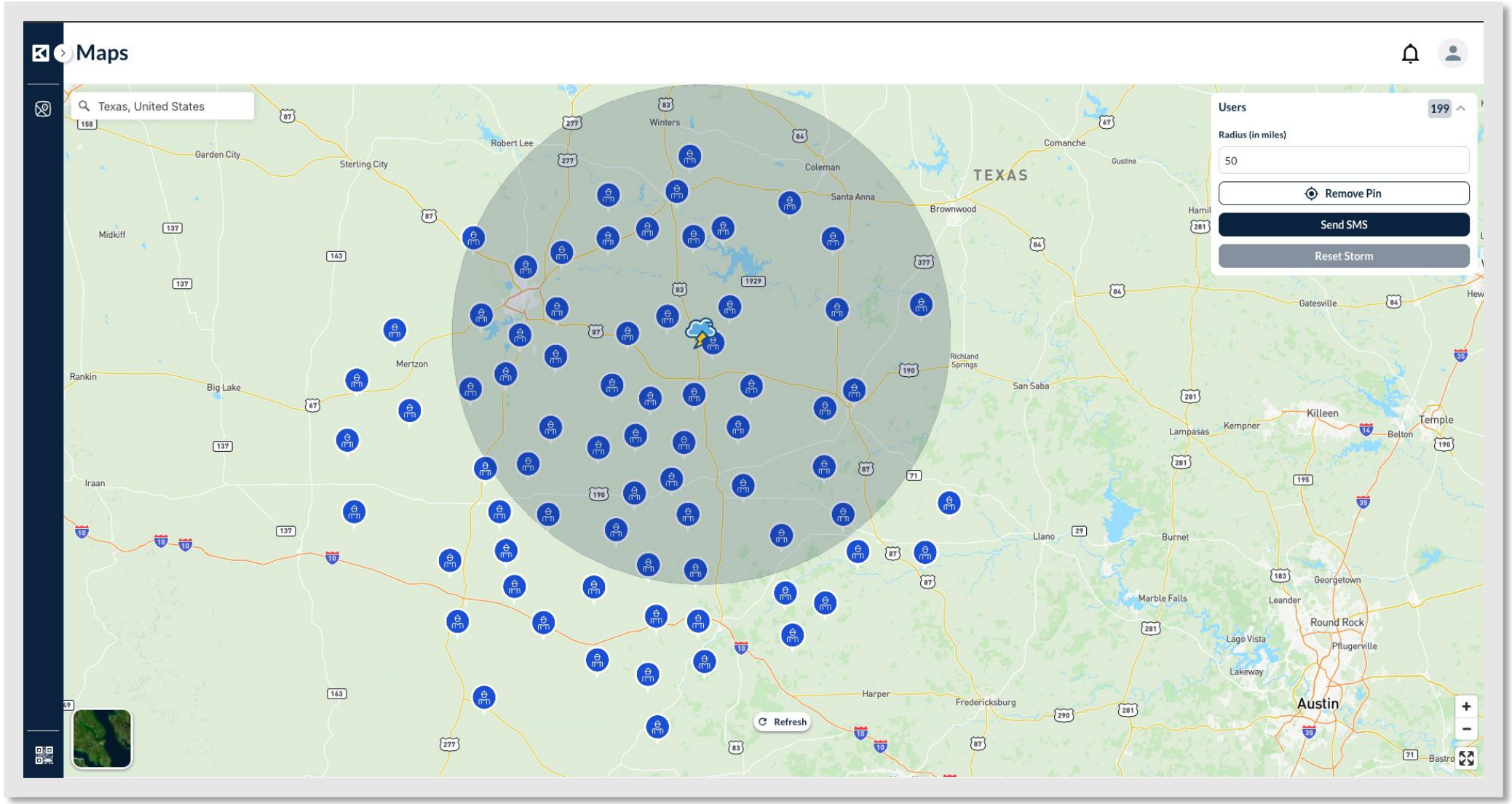
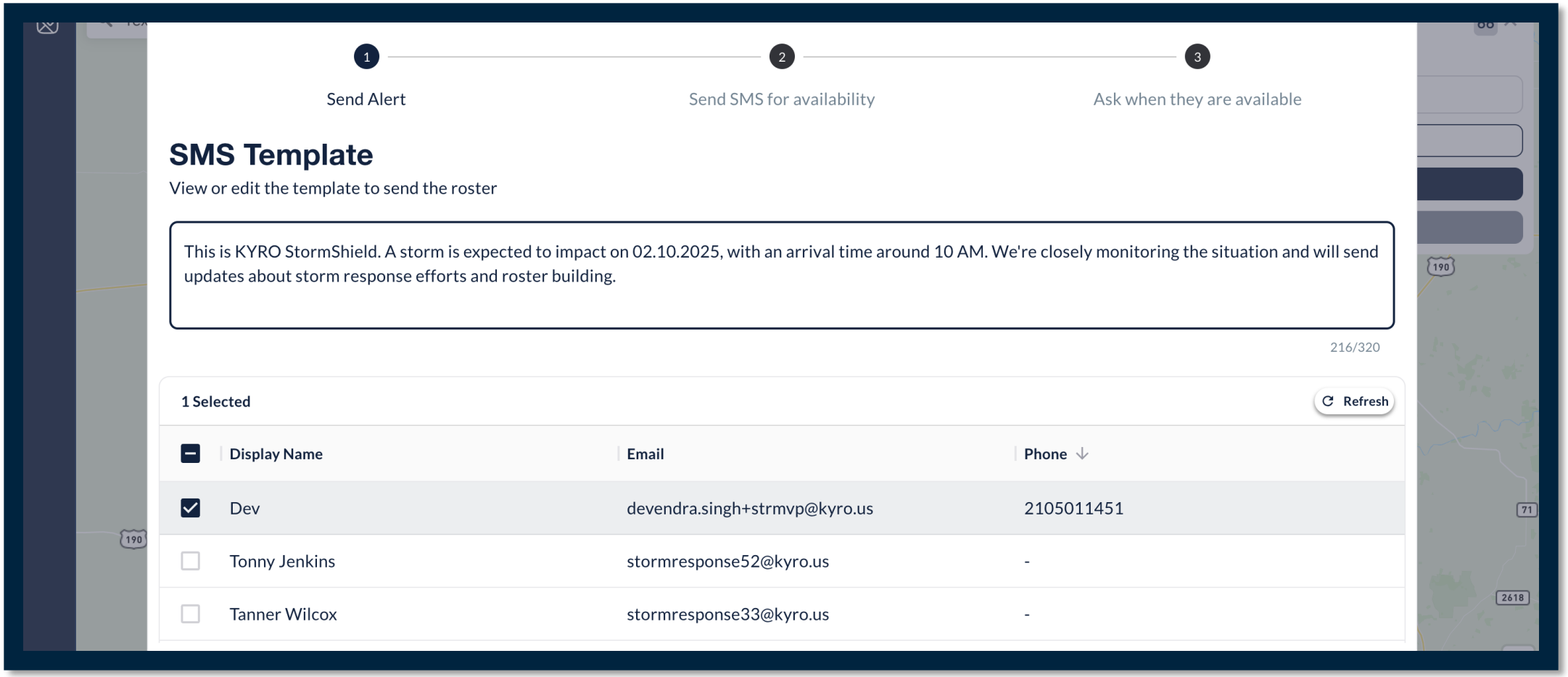


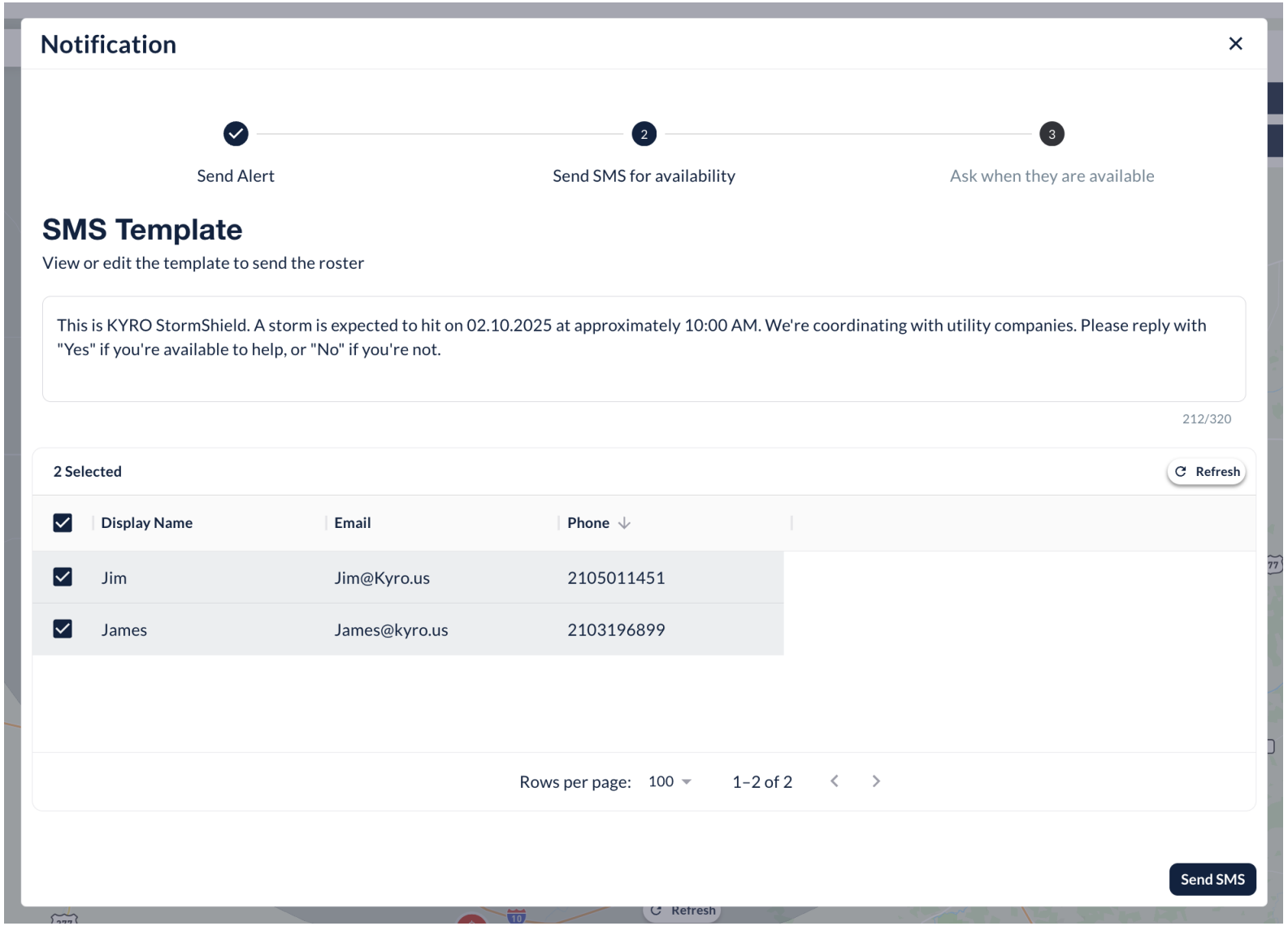
DEMO

Proactive SMS Alerts for Rapid Responder Mobilization



DEMO

Roll Call – SMS Check-In for Storm Crew Availability



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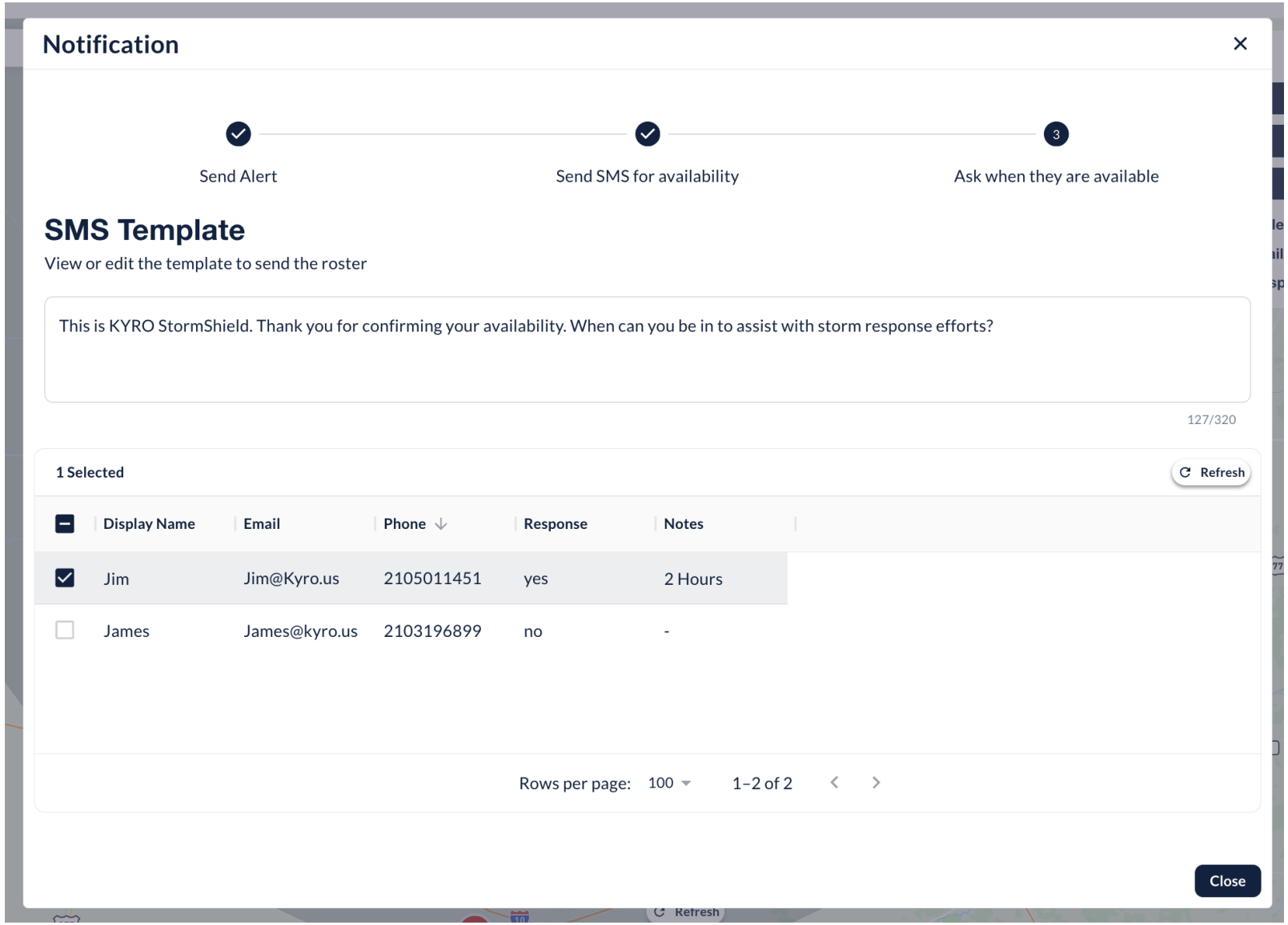
ETA Check – SMS Request for Responder Availability



DEMO

Comprehensive Response Dashboard

DEMO

Real-Time Readiness: Map View of Responder Availability

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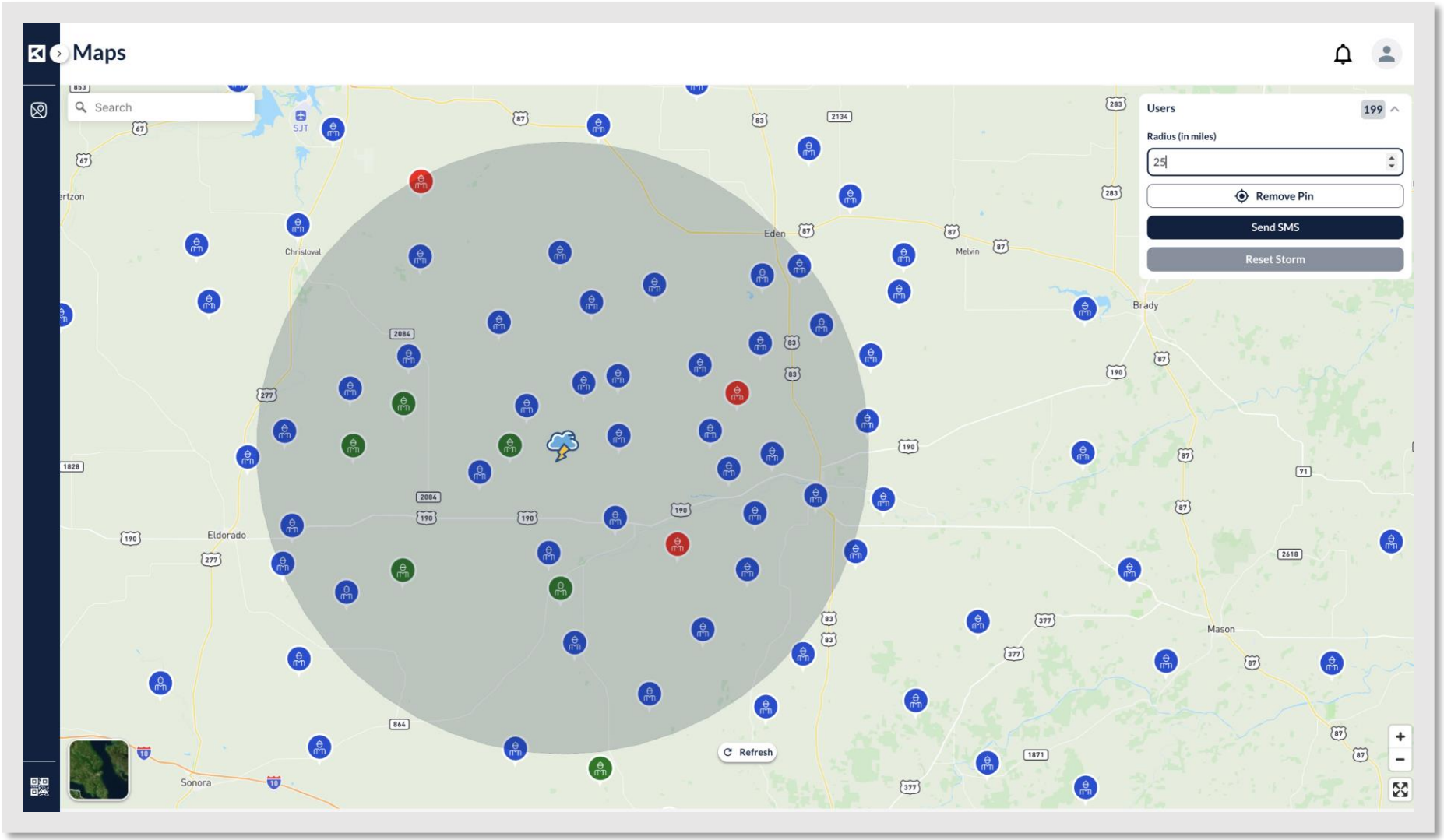

DEMO

Responses with Travel Time to Storm Location

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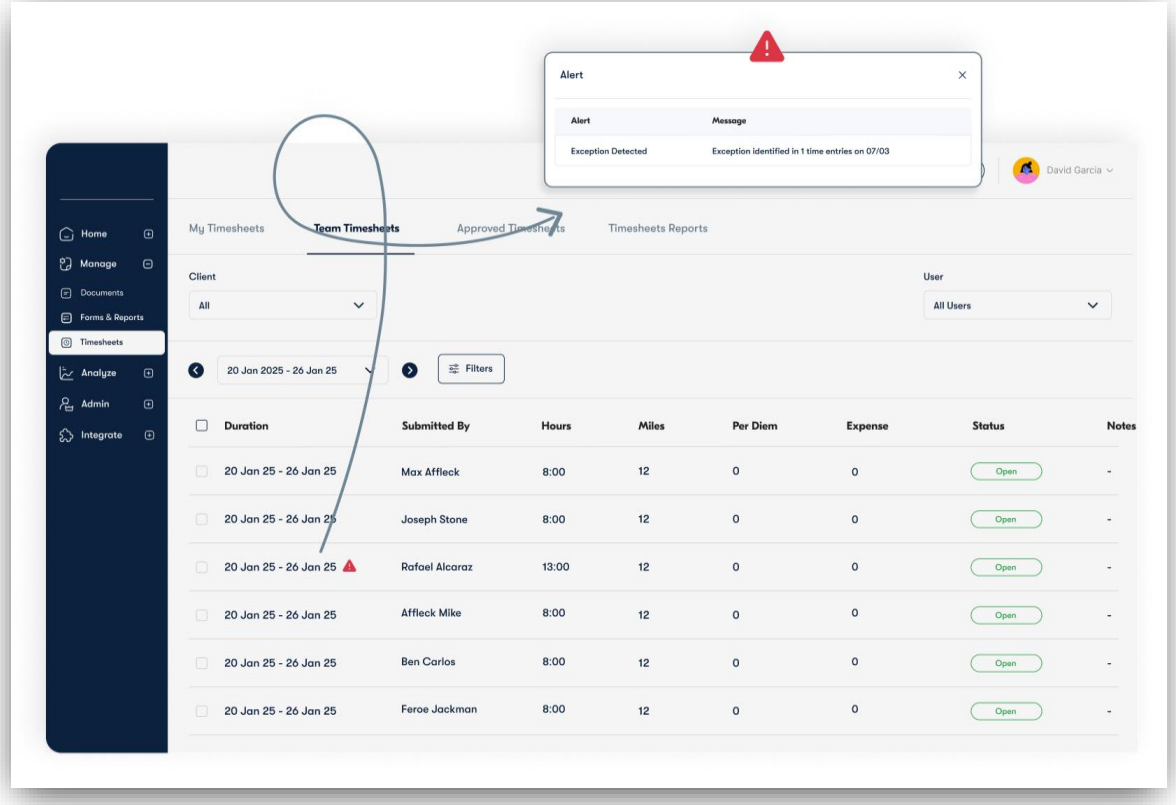
Storm-Response-Users

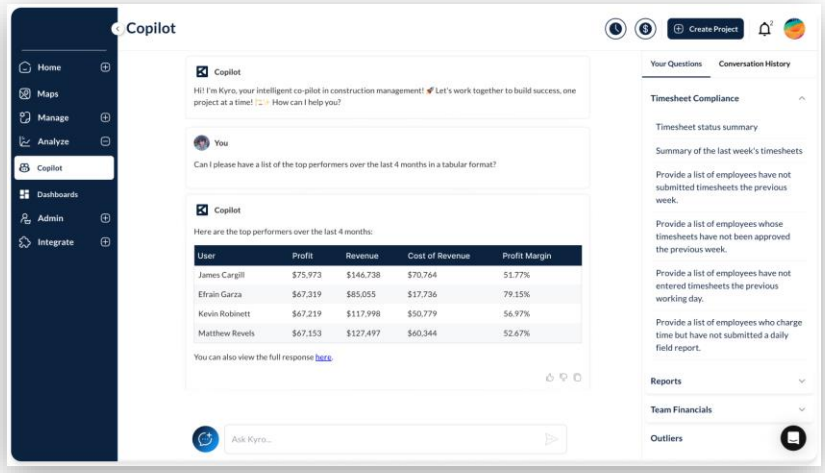
Name	Email	Phone Number	Availability	Notes
Jim	jim@Kyro.us	2105011451	yes	2 Hours
James	james@kyro.us	2105011451	yes	3 Hours
Tim	tim@gmail.com	2105011451	No	N/A
Cory	cory@gmail.com	2105011451	Yes	3 Hours
John	john@yahoo.com	2105011451	No	N/A
Andreson	andreson@hotmail.com	2105011451	Yes	ETA 8 hours
David	david@flp.com	2105011451	No	N/A
Jesse	jesse@thinkpower.com	2105011451	Yes	1 Hour

DEMO

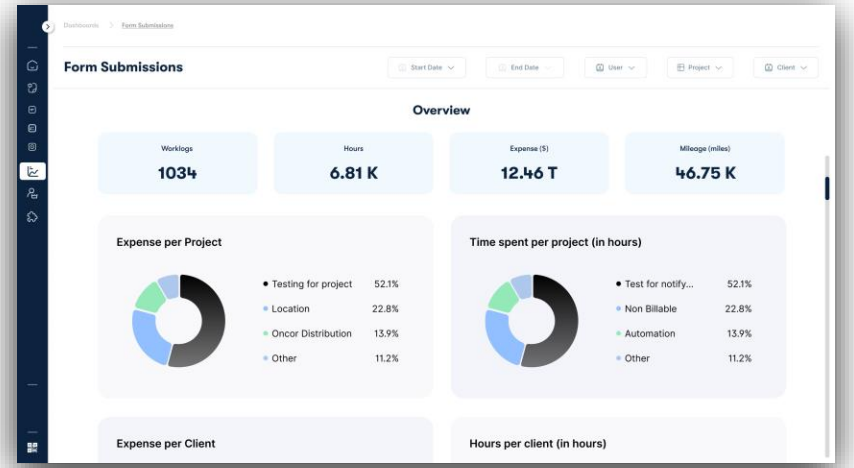
Timesheet Tracking | AI CoPilot | Form Submission



Timesheet Tracking



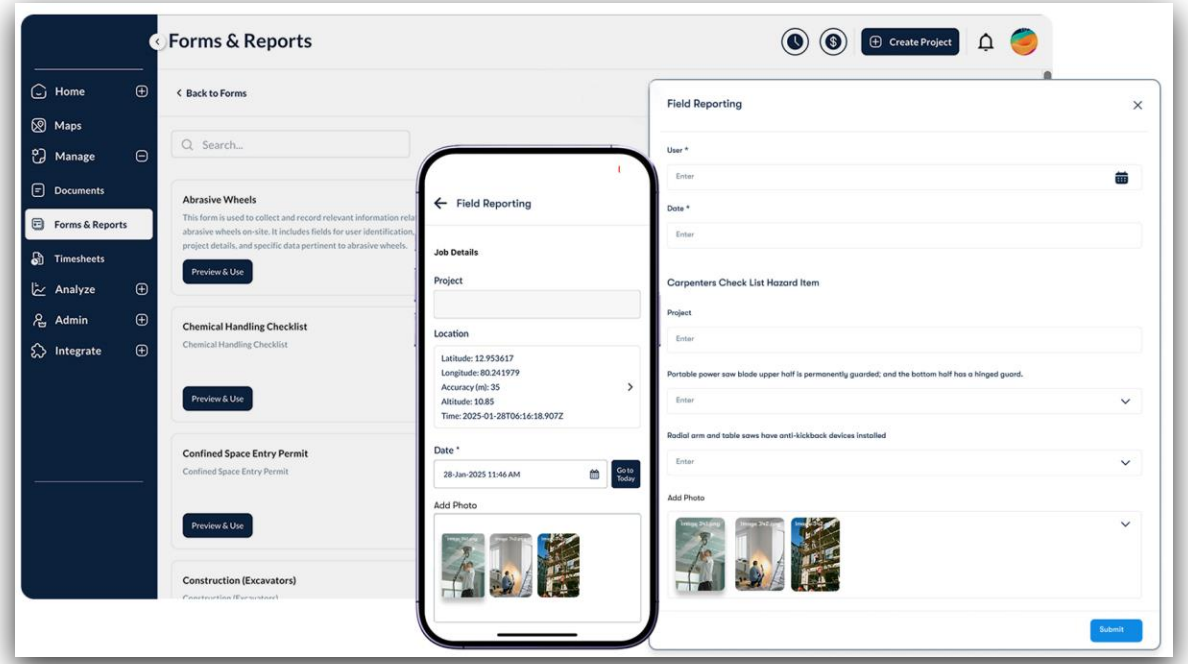
AI CoPilot



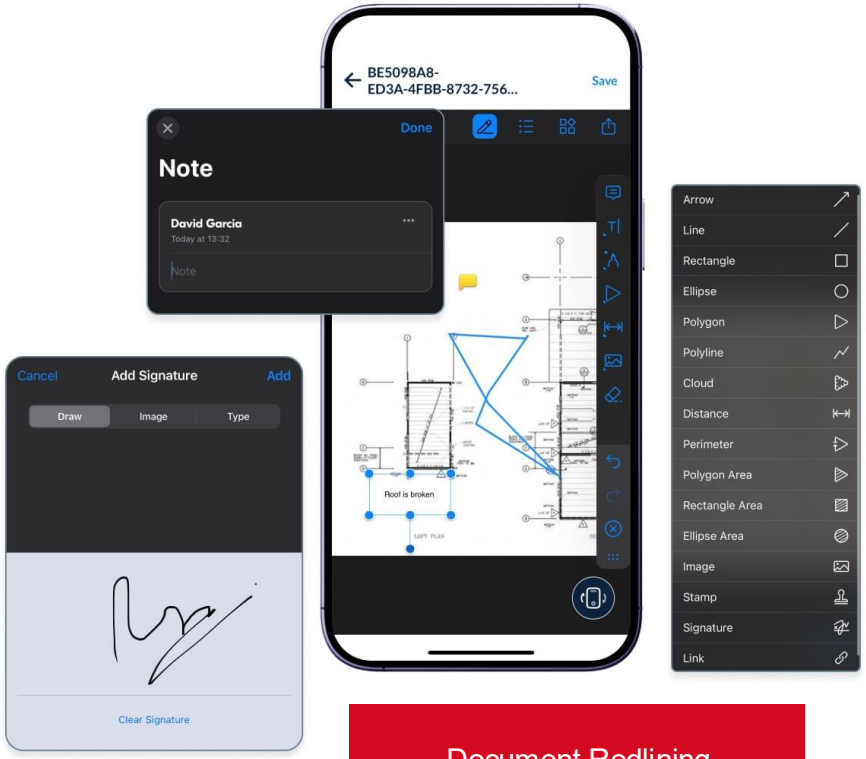
Form Submission

DEMO

Field Reporting | Document Redlining



Field Reporting



Document Redlining

Case Studies

Case Study

Safe & Efficient Evaluation of Corsicana, Texas Storm Damage

CUSTOMER

Large IOU

LOCATION

Corsicana, Texas

HIGHLIGHTS

Detailed Inspection

Cost and Resource Efficiency

Improved Safety

The Challenge

Following a significant rainfall event in late fall 2018, the Corsicana, Texas area experienced severe flooding, resulting in the washout of a single pole steel tangent in a 138kV line between the Sandow and Temple Switches. Additionally, two pole structures on the opposite side of the swollen river became inaccessible, posing challenges for inspection and evaluation by Large IOU engineers. Despite the passing of the most threatening phase of the storm, lingering winds averaging 20-25 mph and dense foliage around the area presented safety and visibility concerns.

The Solution

- **Safe Aerial Evaluation:** The Matrice 200 Series drone enabled safe and detailed aerial inspections of the damaged pole structures and surrounding areas, providing Large IOU engineers with real-time, up-close views of welds, bolts, arms, and connections points.
- **Cost & Time Savings:** By facilitating remote inspections, Think Power Solutions reduced the need for heavy machinery onsite and eliminated right-of-way (ROW) access concerns and associated costs, streamlining restoration activities.
- **Enhanced Safety Measures:** The use of drone technology minimized safety risks associated with on-foot inspections in hazardous conditions, ensuring the safety of Large IOU representatives and reducing the need for additional foot patrols.

Value-Added Results

1. **Detailed Inspection:** Think Power's drone technology provided Large IOU engineers with detailed visual assessments of the remaining poles and structures, enabling confident decisions regarding re-energization without the need for additional foot patrols.
2. **Cost and Resource Efficiency:** By eliminating the need for heavy machinery and off-ROW access, Think Power Solutions saved Large IOU time and money, optimizing restoration efforts and resource allocation.
3. **Improved Safety:** The use of drone technology mitigated safety risks associated with manual inspections in challenging terrain and adverse weather conditions, ensuring the safety of personnel and enhancing overall operational safety.

Case Study

Rapid Response & Efficient Surveillance in Colorado City Storm Aftermath

CUSTOMER

Large IOU

LOCATION

Colorado City, Texas

HIGHLIGHTS

- 24 Hour Turnaround on Storm Assessments
- Improved Efficiency
- Improved Safety

The Challenge

In the aftermath of a quick-moving storm that hit the Colorado City, Texas area in late spring 2018, a Large IOU faced the daunting task of assessing and restoring twenty miles of downed 345kV line. The vast and sandy terrain, coupled with limited access due to private ranch land and downed power lines obstructing the single access point, presented significant challenges for surveying and restoration efforts.

The Solution

- **Real-time Surveillance:** Drones captured high-resolution photographs of the entire 20-mile impact zone in real time, enabling Large IOU to promptly evaluate the level of damage and prioritize restoration efforts.
- **Efficient Restoration Planning:** The prompt receipt of surveillance images facilitated effective line patrol and assessment of right-of-way access, streamlining equipment delivery and restoration efforts.
- **Enhanced Safety Measures:** Drone inspections minimized human interaction with downed power lines, reducing safety risks and ensuring proactive hazard identification and resolution before crew arrival.
- **Public Safety Evaluation:** Think Power evaluated road crossings to identify any additional public safety concerns and assess travel paths' passability for the public, enhancing overall safety measures.

Value-Added Results

1. **24-Hour Turnaround on Storm Assessments:** Think Power's efficient surveillance methods expedited restoration efforts, enabling Large IOU to swiftly prioritize and address damage along the entire line.
2. **Improved Efficiency:** The use of drones significantly increased overall restoration efficiency by minimizing human interaction, reducing wear and tear on vehicles, and streamlining equipment delivery.
3. **Improved Safety:** By minimizing safety risks associated with downed power lines and conducting proactive hazard identification, Think Power ensured a safer working environment for restoration crews and the public.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