

Trusted Solutions to Enhance the Resilience of Critical Network Infrastructure

Above our heads and below our feet lies a web of critical network infrastructure.

Millions of miles of pipes and cables deliver water, electricity, internet, gas — and our way of life. For three decades, we have leveraged the power of data and software to help protect the world’s critical infrastructure assets and safeguard those that work on them, live near them or depend upon them in their daily lives. We’ve become a trusted partner to 17 of the top 20 largest electric, energy, gas, utility, telecom and media companies in the U.S. and Canada.

We understand that evolving threats like wildfires, severe weather events, aging infrastructure, regulatory changes and mounting pressure to provide uninterrupted, cost-efficient and safe service mean operations are in a constant state of change. It’s impossible to maintain visibility, safeguard assets and manage hazards without robust and nimble systems.

Our software solutions monitor threats to our customers’ networks and provide adaptive insights and the operational picture necessary to detect emerging problems, address issues early and keep the public safe. Anytime there are new pieces of information gathered, our software learns to help our customers get better at allocating resources to areas within their network that need the most attention to increase resiliency, reliability and safety. We help industry leaders digitally transform — and gain peace of mind.



Mission-Critical Services are More at Risk Than Ever



Increasing Scrutiny of Issues Related to Aging Infrastructure



Growing Impacts of Wildfires and Severe Weather Events



Increasing Need to Maximize Investments in Digital Transformation



Tightening Regulations Emphasizing Safety and Resilience

Preventing Damage to Critical Network Infrastructure and Protecting Assets 24/7

Industry leaders are accelerating adoption of third-party software and digital transformation to improve processes, data quality and automation of complex field, plant and office operations. Protecting millions of miles of critical network infrastructure requires proactive solutions to plan for tomorrow while protecting and supporting assets, workers and customers today.



Reduce Damages and Protect Assets

The most complete platform for protecting critical network infrastructure.



Reduce Operational Costs

Maximize operational efficiency by optimizing the use of all current resources.



Make Data Actionable

Advanced reporting and analytics provide insights for critical decision-making.



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Irth has consistently helped our company save millions of dollars a year by vastly reducing the number of crews we need.

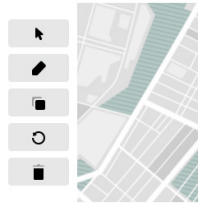
VP Operations
Fortune 500 Telecommunications

Features for Robust Critical Infrastructure Protection



App Designer

Design intelligent forms using data points specific to your business needs. Using business logic, the form can automatically flow data to the right people for each action.



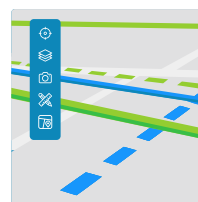
Sketches

Create detailed sketches that provide additional context to the entire activity — giving you complete visibility into risks and allowing you to better protect your infrastructure.



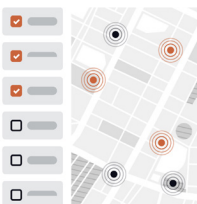
Mobile Optimized

Our platform application empowers your teams to get the information they need to protect your critical assets and infrastructure even when connectivity isn't available.



Augmented Reality (AR)

Smartphone-based visualizations of underground infrastructure that help you improve damage prevention efforts, decrease costs and significantly increase your team's efficiency and safety.



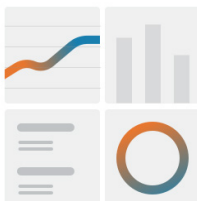
Workload Manager

Workload Manager provides visibility into user workload and allows easy reassignment of tickets and work items across field workers.



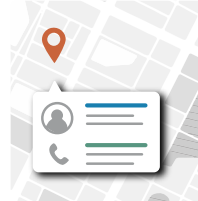
API

Leverage our API to integrate external data, create field activities from your existing ERP, and/or pull activities and information into any external system.



Dashboards

Define and review operational KPIs — real-time and historical — to track your's team performance against longer-term strategic objectives.



Remote Assistance

Locators gain a direct line of communication with supervisors and experienced team members to help solve problems while in the field.



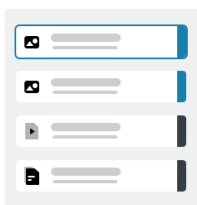
Parcels

Detailed parcel data provides you with better information to make informed decisions on activities, which can prevent damage, ensure reliability and increase resiliency of your critical infrastructure.



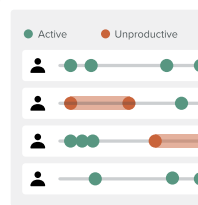
Artificial Intelligence (AI)

Improve damage prevention efforts by leveraging risk models and machine learning to predict which locate requests are most likely to result in an incident.



Attachments

Upload and store any attachments required for your business processes, including video, spreadsheets, images, PDFs and more.



Productivity Analysis

Managers can access valuable tools to define productivity measures and quantify and compare user productivity to drive workforce optimization.



A Large Utility Company Improved Quality and Efficiency in Damage Prevention Program

Executive Summary

A large utility provider had a significant challenge reducing damages across their footprint. Their diverse assets span hundreds of miles, resulting in hundreds of thousands of One Call tickets annually. Historically, this made it extremely difficult to predict which tickets have the highest risk for damage. Their implementation of Irth's platform for critical infrastructure asset management and protection, reduced damages by 29% in the first year.

- A large utility company needed a comprehensive solution to reduce operational costs, while protecting assets, ensuring public safety and improving field productivity.
- The utility implemented Irth's platform and improved operational efficiency by gaining better insights into key business areas, including their quality control processes, operator qualifications and other field processes.
- The utility realized a reduction in worked tickets, operational savings and less damages the first year and extended the software to additional use cases. **By digitizing and automating many of their field processes, their data ecosystem is now more robust and continuously improves.**

29%

Reduction in Damages

\$700K

Annual Decrease in Damage Costs

30%

Increase in Efficiencies

Damage Prevention

Damages to critical network infrastructure from authorized and unauthorized third-party activity is not only dangerous to the safety of workers and community, it's costly. Our damage prevention and mitigation offerings are designed to minimize damages by intervening early to stop risky incidents and document damages that do occur.

While 811 ticket management is the foundation of our Damage Prevention solution and trusted by industry leaders, our suite of offerings includes software for remote monitoring, standbys, locate audits, locator training, locate performance evaluation and more. Combined, these damage prevention and mitigation tools provide an all-encompassing and unequalled perspective.

811 Ticket Management

Enhance safety, reliability and resilience with the most comprehensive 811 ticket management solution available since 1995.

One Call Center Notification

From uploading real-time facility data to determining where and how dig notifications are distributed, our offering using Irth Exactix lets the end-user manage the entire process.

Risk Management for Damage Prevention

Incorporate risk models and machine learning to predict which locate requests are most likely to result in an incident and unlock data-driven insights for your damage prevention efforts.



Land Management

Urgent deadlines. Complex lease agreements. Various payment schedules. Fluctuating government regulations. Land management projects require companies to juggle a lot of different things — and mistakes can often be costly.

By automating time-consuming tasks like payments and compliance reports, our land management and right-of-way solution can help you make acquisitions more quickly, use GIS tools to view information about parcels, routes, and other important layers, and access centralized data whenever you need it, online or offline, whether in the office or the field.

Electric Transmission

Automate your business processes to lower costs and improve operational efficiency.

Renewables

Shorten project timelines for land acquisition and track all land related payments, due dates, and more.

Oil & Gas

Manage mineral rights, lease acquisitions, and drill schedules quickly and accurately to keep your exploration and production projects going.

Transportation

Streamline the processes of negotiation, property appraisals, due diligence, legal condemnations, and re-locations.

Asset Inspections & Monitoring

It's a business imperative that critical assets — miles of pipelines, cables and underground infrastructure — be properly maintained and protected. Enabled by advanced algorithms and intelligent workflows, our offerings help to identify degradation that risks the future performance of your assets, streamline routine work and direct you to next best actions that enhance the reliability, longevity and compliance of your critical network infrastructure.

Patrols

Schedule, document, and record mandated patrols on your critical assets easily and efficiently with Patrols.

Meter Inspections

Manage electric and gas meter inspections through our SaaS platform and get insight on inspection quality and alerts when follow-up action should be scheduled.

Leak Surveys

Easily track a leak survey route as well as the completion percentage of that survey.

Pipeline Integrity Insights

Ensure the most effective risk-based management for your pipeline integrity initiatives with real-time data and analysis.

Helping Manage Risk, Prevent Damage and Protect Assets — Safely.

For three decades, Irth has leveraged the power of data and software to help protect North America's critical network infrastructure assets and safeguard those that work on them, live near them, or depend upon them in their daily lives.



17 of the Top Energy, Utility & Telecom Companies in the U.S. and Canada



Over 30 Years of Protecting Assets, Preventing Damages and Managing Risk



World-class Implementation and Ongoing Training



24/7/365 Support



Learn More Today

To request a demo or to learn more about our platform:

Visit www.irthsolutions.com | Call 614.784.8000

