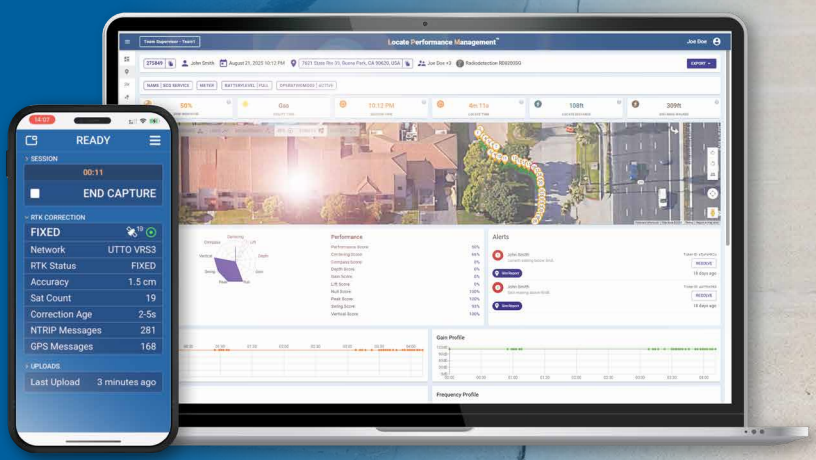
RADIODETECTION®

Locate Performance Management™

Locate Assurance®

Help reduce utility damages by combining real-time accuracy, validated maps and seamless data integration – empowering teams and building a culture of continuous improvement.



SPX TECHNOLOGIES

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Know what's below.
Call before you dig.

The Challenge

According to the Common Ground Alliance (CGA):

- Damages to buried utilities in the US cost approximately $30 billion annually.
- Locating Practices has consistently been in the top two damage root causes for the past three years.
- To drive down damages, better reporting and analysis within the industry are needed.

Damages By Root Cause Group

Root Cause	2022*	2023*	2024*
Locating Practices	33%	34%	34%
Excavation Practices	35%	33%	35%
No Locate Request	27%	27%	25%
Invalid Use of Request by Excavator	6%	6%	7%

Total and Unique Damages and Near Misses in Canada and the United States

COUNTRY	Total Damage Reports	Unique Damages*	Total Near Miss Reports	Unique Near Misses*
UNITED STATES	221,858	189,052	2,382	2,115
CANADA	7,996	7,925	395	389
TOTAL	229,854	196,977	2,777	2,504

CGA Common Gound Alliance

2024 DIRT Report

Our Solution

Locate Performance Management

Paired with Radiodetection Precision Locators, Locate Assurance verifies the quality of every locate in real time. This gives technicians instant feedback, helping them reduce utility strikes. Managers get clear visibility across teams to ensure safety and high standards.

With seamless high-accuracy GNSS and Esri® ArcGIS® integration, this complete, end-to-end solution is revolutionizing damage prevention.

Real-time metrics and alerts assure quality and accuracy of locates.

Redefine Damage Prevention with Locate Performance Management

Real-Time Quality Assurance

Validate locates in the field – correct errors on the spot and get it right the first time.

Locate Assurance

Move from damage control to damage prevention – ensure precise locates that can help reduce strikes, improve safety, and cut repair costs.

High-Accuracy GNSS Integration

Pair high-precision GNSS devices with validation tools to deliver accurate maps you can trust.

Direct Integration with Esri ArcGIS

Push validated locate data directly into ArcGIS – eliminating manual entry, errors, and outdated maps.

Enhanced Skills and Recognition

Give technicians real-time feedback that can build skills, reinforce best practices and reward quality work.

Smarter Locate Confidence

Equip locate teams with analytics and on-site feedback that let them validate work with confidence and reduce uncertainty.

Locate Performance Management

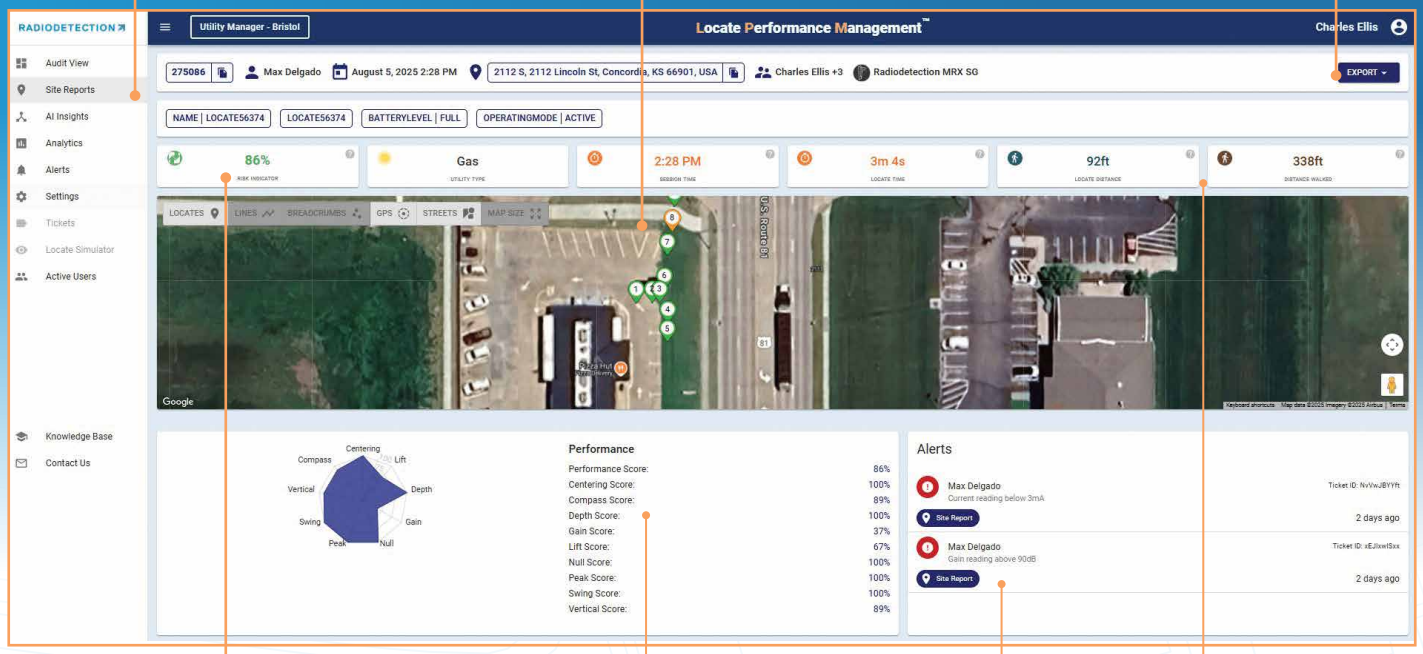
Solutions for a connected world

Features of Locate Assurance

Site Reports
Get a detailed overview of every locate.

Map View
Visualize every mapped point in sync with GNSS for complete accuracy.

Accurate Billing Metrics
Export site reports in multiple formats to ensure transparent billing and prove locate quality with verifiable data.



Performance Dashboard
Clear scoring across key metrics to assess skills.

Distance
Compare locate distance to actual distance walked for efficiency insights.

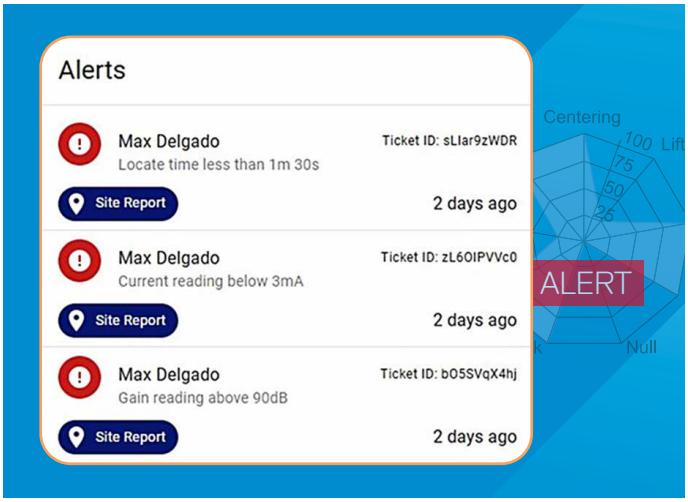
Risk Indicator
Real-time quality score that flags potential issues before they become problems.

Instant Alerts
Automatic warnings highlight errors on site, linked directly to site reports.

Why do I need Locate Performance Management?

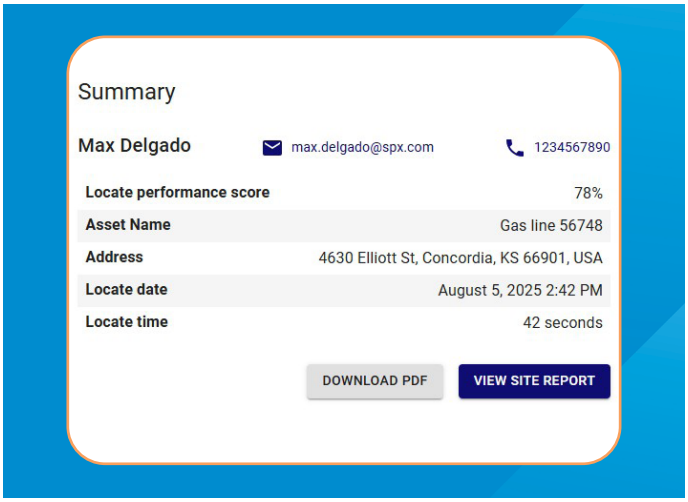
Stay Compliant & Transparent

Automatic monitoring, alerts, and audit-ready reporting reduce risk, improve accountability and meet regulatory standards.



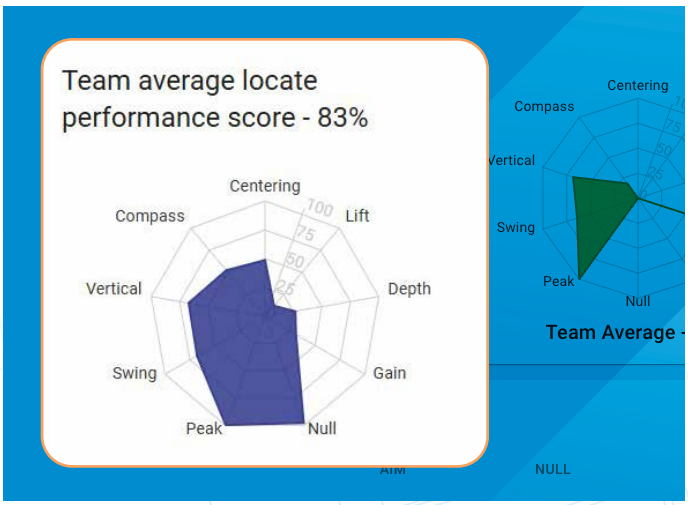
Save Time & Money

Can lead to fewer damages, fewer repeat dispatches, and transparent billing data save money while proving value on every ticket.



Empowered Teams in the Field

A.I insights and real-time feedback boost technician performance, cultivate shared accountability, and reinforce best practices.



Accurate Maps & Seamless Integration

Validated locates flow directly into ArcGIS, keeping utility maps precise and up to date.

Proven ROI

Proven reduction in locate damages with a small extra ticket cost. Outsourcing saves money without losing control. GIS upgrades are capital assets.

Data-Driven Operations

Analytics reveal trends, gaps, and best practices – enabling smarter decisions and continuous improvement.

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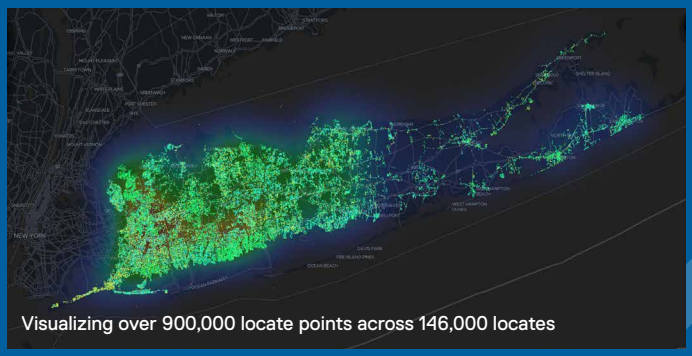
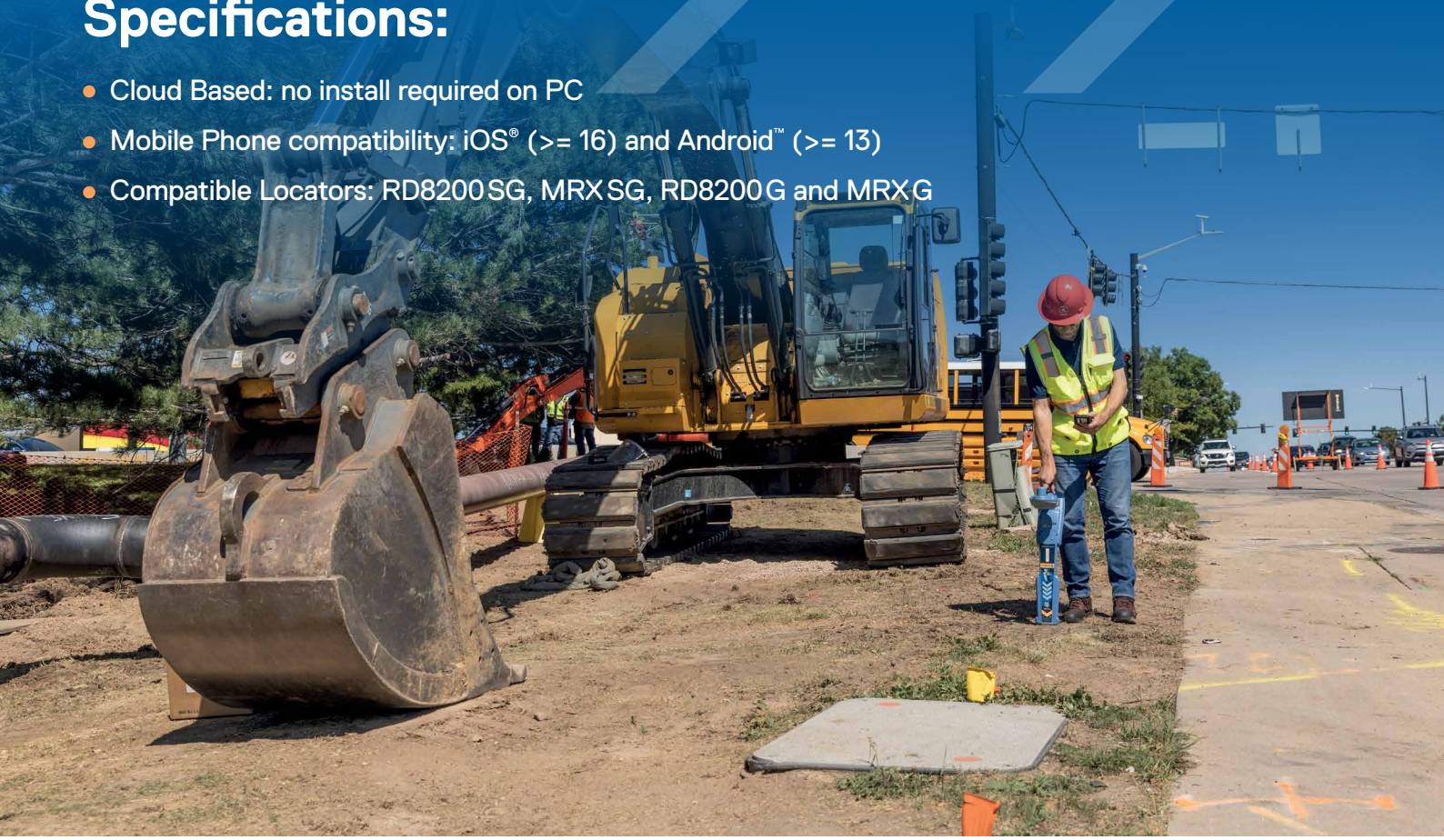
SPX TECHNOLOGIES



Visualizing over 900,000 locate points across 146,000 locates

Specifications:

- Cloud Based: no install required on PC
- Mobile Phone compatibility: iOS® (>= 16) and Android™ (>= 13)
- Compatible Locators: RD8200SG, MRXSG, RD8200G and MRXG



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