ALATRAC

The Ultimate Data Collection Tool for Utilities

Alatrac from Alamon, Inc. is powerful software that empowers you to collect critically important regulatory data and verify its accuracy using advanced GIS and AI technology.

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Priority 1: Your Success

Software is most powerful when you work closely with a team that is invested in your success, and knows how to set you up for it.
We have over a decade of experience helping utilities and utility pole inspection crews use Alatrac to collect and deliver the most accurate data possible.
Tired of struggling to understand the support tech at an overseas call center? We've got you covered with the best U.S. based support available.

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Conducting Regulatory Inspections

Challenges, Risks & Liabilities

Alatrac software was purpose-built to address the specific challenges of large-scale regulatory inspections and data being collected by a remote workforce.

Logistical Problems

Coordinating access to utility poles in remote, hard-to-reach locations, dense urban areas or private properties is often challenging. Collecting inspection data electronically in outlying areas lacking cell coverage and internet connectivity can also be problematic.

Distributed Workforce

The utility pole inspection process relies on a workforce that is frequently unsupervised. Issues related to miscommunication, technological challenges, and accountability and trust can arise. These problems have real potential to compromise your critical data.
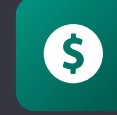
Costs and Liabilities

Your liability is directly tied to the quality of your data. Can you trust the data of the remote workforce that collected it? Bad data can endanger utility workers, lead to public safety hazards, regulatory fines, increased insurance premiums, and the expense of having to re-do part or all of your inspections.

Purpose-Built Software For Utility Pole Inspection

As a utility services contractor performing nationwide utility pole inspections for the last 15 years, Alamon has plenty of firsthand experience with the process and its challenges. Alatrac was created to address those challenges. The platform was built from the ground up for efficiency and accuracy, and it serves as the foundation of our own extensive inspection operations. We conduct over 500,000 inspections annually, and Alatrac is the engine that empowers us to support our large client base with verified critical regulatory data.

Alatrac's versatility also enables us to use it in-house for safety audits, warehouse inspections, site surveys and more.

Now, for the first time, this flexible platform is available as a stand-alone application for your own projects.

500,000+
Inspections
Annually

Alatrac Users Near You

FALL RIVER RURAL ELECTRIC COOPERATIVE
Ashton, ID

KENERGY CORPORATION
Henderson, KY

NATIONAL GRID
North Waltham, MA

POWDER RIVER ENERGY CORPORATION
Sundance, WY

TONGUE RIVER ELECTRIC COOPERATIVE
Ashland, MT

Powered by Advanced GIS and AI Technology

Alatrac is cloud-based software driven by GIS mapping and AI data analysis technology. It is also offline-capable, allowing you to gather data in the most remote areas with or without cell coverage.

GIS

Alatrac uses GIS for essential mapping and navigation functions. GIS is also central to the application's ability to validate data in near real time as it is being collected in the field. As remote workers conduct inspections, Alatrac (powered by our proprietary Hound Engine™), tracks each task as it occurs and uses this telemetry information to validate that each inspection task occurred when and where it was supposed to.

AI

Alatrac's AI processes incoming project data and flags inspections and inspectors that may require further review. This enhances your project's quality control without the need for full-time GIS or data science specialists. The AI data provides project managers with actionable insights that help them discover new efficiencies in the field. Most important of all, it reduces liability by ensuring precise, accurate, verified data.
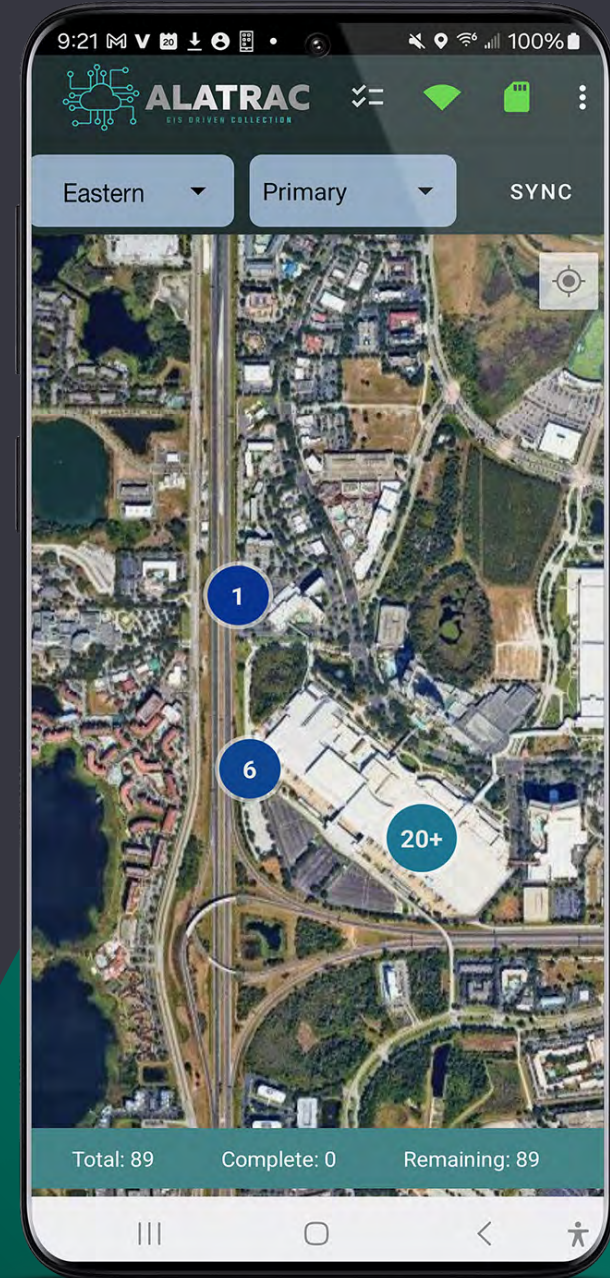
Alatrac Use Cases

Purpose-Built for Utility Pole Inspections. Capable of Much More.

Alatrac was purpose-built for large-scale regulatory inspections, but its Custom Forms, Business Logic and Workflow Builder enable you to apply its advanced GIS and AI capabilities to any data collection project.

01
Regulatory Inspections & Compliance

Collect critical information about your infrastructure required for compliance. Alatrac was originally built for this task and excels at delivering highly accurate AI-driven, validated data.

02
NESC Violation Capture

With NESC violations numbering in the hundreds and growing, Alatrac provides a highly intuitive interface that enables you to easily capture violations in the field, manage the data efficiently and generate custom reports.

03
Vegetation Management

Capture detailed, annotated photos and relevant information about critical areas of your infrastructure, giving you the important data needed to guide your vegetation management process.

04
Other Uses:

- ✓ Substation Inspection
- ✓ Vehicle Inspections
- ✓ OPE/PPE Inspections
- ✓ Survey Capture

Advanced AI Integration

Alatrac's AI analyzes incoming project data from your field staff to ensure its integrity. The AI searches for anomalies and flags them for further review by a project manager. Achieving this level of quality control without AI could easily require a full-time QC auditor, and depending on the project scale, maybe more than one of them.

When you are required to conduct regulatory inspections, ensuring the most accurate data by validating it is a must. Alatrac's AI delivers.

Visualize Anomalies

Receive AI-driven notifications alerting you to anomalies in your project data. Use your dashboard to visualize the data for further examination.

Take Action

Use these valuable project insights to drive quality control changes, improve training practices, and discover new efficiencies.

Advanced AI Integration

Validate Inspections

Alatrac's AI algorithm looks for inconsistencies in location and time data to provide alerts based on inspector patterns and behaviors.

Near Real-Time Detection

Alatrac's AI routine runs at least once daily to display anomalies on the AWS Quicksight-powered dashboard.

Increase Accountability

With an automated AI routine running in the background, Alatrac provides 24/7 alerts to anomalous inspector behavior, creating accountability within teams.

Increase Profits

Discover inefficient or incorrect inspector activity quickly during the project, not afterward. Reduce remobilization and other costs associated with re-doing the work.

NESC Violations

Alatrac streamlines the process of reporting NESC violations with an intuitive, field-friendly interface that keeps your focus on the work, not on figuring out the software.

Capture Violation Information

Efficiently grab inspection information and capture violations using Alatrac's built-in library of nearly 300 predefined violation types.

Visualize Violation Captures

- Capture the violation location.

- Capture violation photos and use in-app drawing tools for additional illustration and comments.

- Note if the violation was corrected during the inspection.

- Create reports with Alatrac's robust reporting capabilities, including violation data filters.

290+ Predefined Violations

IML-RESI PowerDrill Integration

Alamon is the industry leader in the use of Non-Destructive IML-RESI PowerDrill Pole Inspection Technology. Alatrac's seamless integration with the IML-RESI can dramatically enhance your inspection capabilities and efficiency.

Data Redundancy

Connect to your IML-RESI PD and download critical drill data to be uploaded safely to the server in near real-time speed (*uploading to server requires internet connectivity*).

Real-Time Graph Visibility

View an annotated graph on the mobile device in the field to assist in determining the remaining strength of a utility pole structure.

In-Field Calculations*

Determine estimated strength remaining on the fly and in the field connected to our mobile application.

*Alatrac pairs with the IML-RESI via Bluetooth and automatically translates the device's boring results into industry standard pole strength analysis based on the RUS 1730B-121 Wood Pole and Maintenance Bulletin.

Alatrac Features

Remote Workforce Management

When your team is distributed over a wide geographical area conducting regulatory inspections, Alatrac puts you squarely in the driver's seat of your project at all times. There's no more intuitive way to manage remote workers, ensure the work is being done efficiently, and collect critical data with verified accuracy.

Project Setup

Using Alatrac's form builder, rules engine, business logic and workflow builder, you define the scope of work and which data is being collected in the field.

Assign the Work

Easily assign inspectors to regions and tasks, monitor their location and task completion in near real-time, and make adjustments on the fly as needed.

"Some of the other software products I've used felt like they were built by office staff. They don't have the hundreds of thousands of field hours behind them that have gone into shaping Alatrac. That's why it's so much better."

NATHAN ANUNSON
Operations Manager, Alamon Utility Services

Flexible Data Management

Alatrac not only provides powerful tools for project creation and data collection, it also gives you tremendous flexibility to view and interact with your data in the way that suits you best. Powered by AG Grid, Alatrac combines powerful customization options with a clean, user-friendly interface — enabling you to filter, sort, and visualize data effortlessly for faster insights and smarter decisions.

View

View inspection data in the web application, including form data, charts and photos.

Add or Update Data

Alatrac provides multiple methods to add or update data in the database. Add data manually through the web portal or update thousands of records at once by uploading a single CSV file.

Approve Data

Approving data not only locks data from editing to prevent accidental alterations, it also makes the data available for your customers.
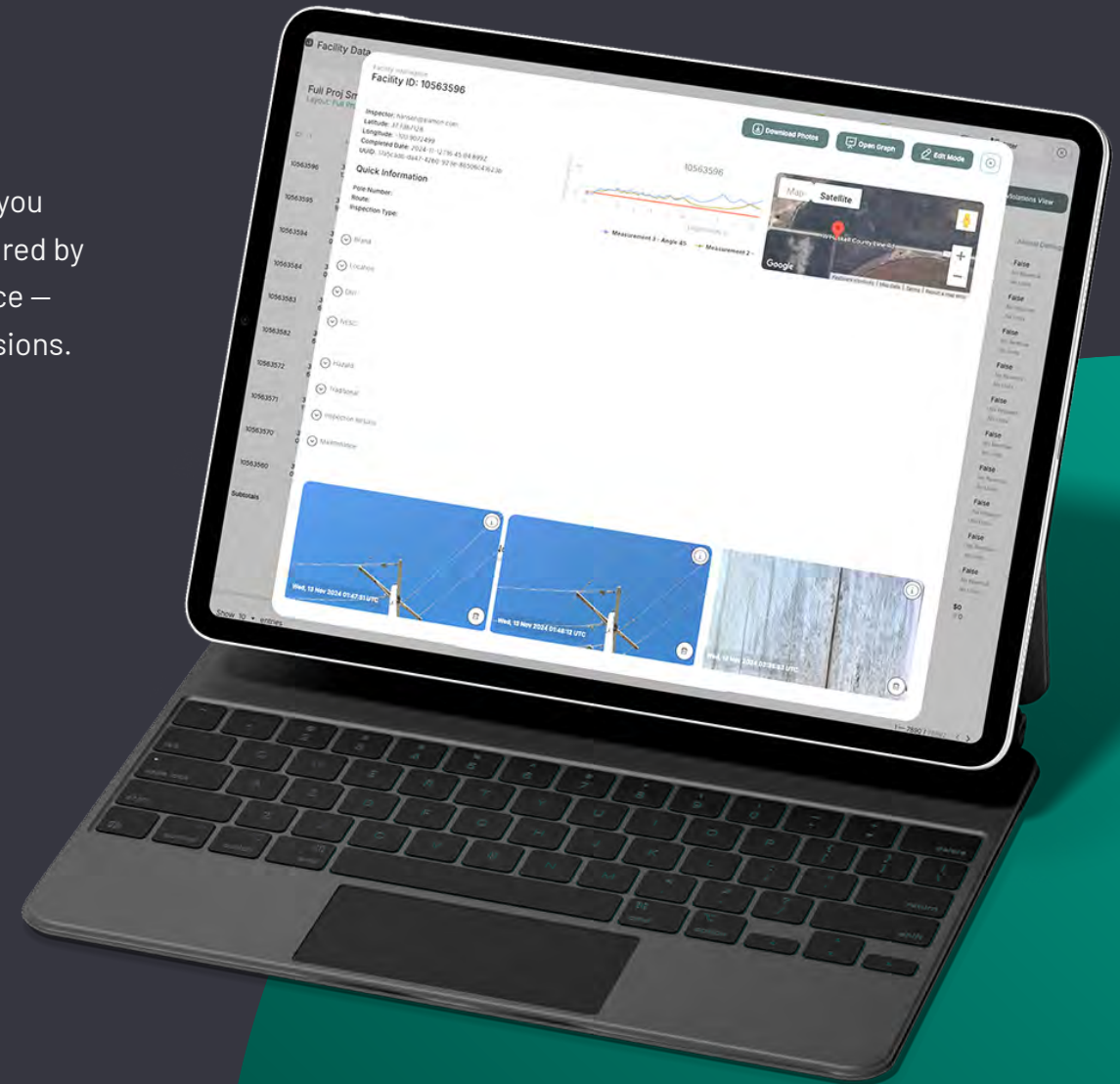
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Manage Data Access

Whether you need to control your own staff's access to your data or restrict customer access, Alatrac's intuitive tools for managing data access put you in control.

01

Choose the Data to Share

You decide what fields and records to share with others.

02

Control Access

You control which data others have access to using Alatrac's Approved Viewer Role.

03

Quality Checks

Validate your data before customers view it, providing a barrier until you mark a record as approved.

04

Share Data via Web Portal

Allow customers access to the Alatrac web portal to view approved data. Users can run reports, view photos, and more.

Reporting

Easily create reports and automate scheduling with Alatrac's intuitive reporting features.

Report Builder

Use the Report Builder to select which data will be included in your report.

Automated Delivery

Enable Auto Delivery and set your report schedule.

Labeled Photos

Easily customize photo names to include in your report.

Labeled IML Charts

Include chart exports from the IML-RESI PowerDrill with customized naming.
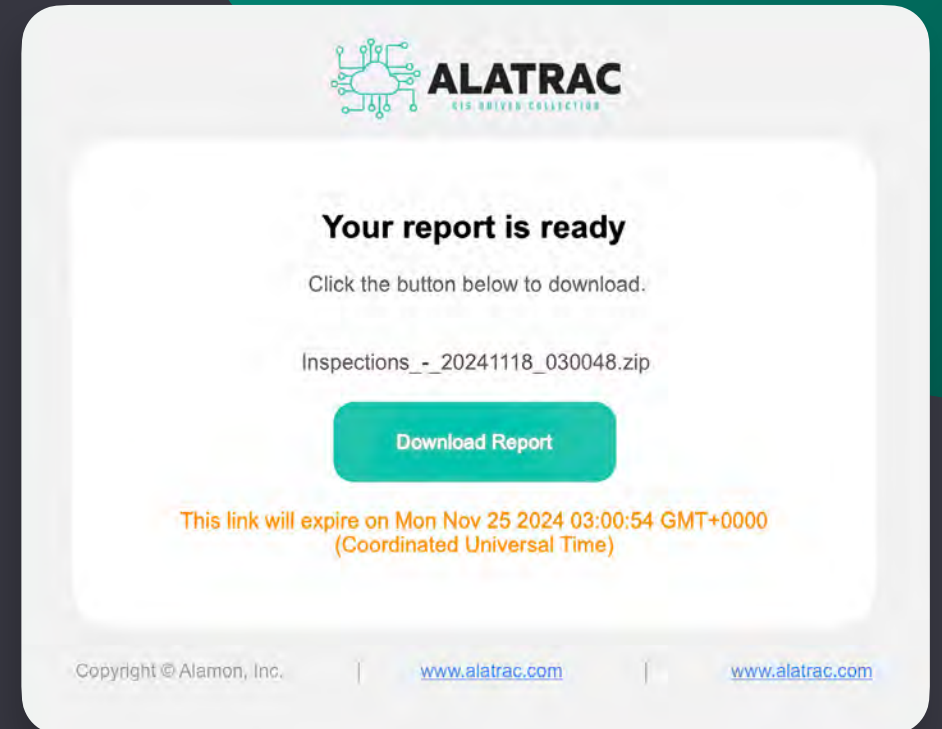
Terminology

Some common Alatrac tools used to create and execute successful data collection projects

Project

A project is a container to hold one or more layouts.

Layout

A layout is a dynamic form used by technicians gathering data in the Alatrac mobile application.

Hound Engine

Hound Engine is Alatrac's proprietary mobile application telemetry engine capturing technician insights.

MGRS GRID

The Military Grid Reference System is used to manage inspection assignments for technicians.

Rules Engine

Rules Engine is a tool used to create business logic for technicians gathering data in the field with the mobile application.

Layouts
(Dynamic Forms)
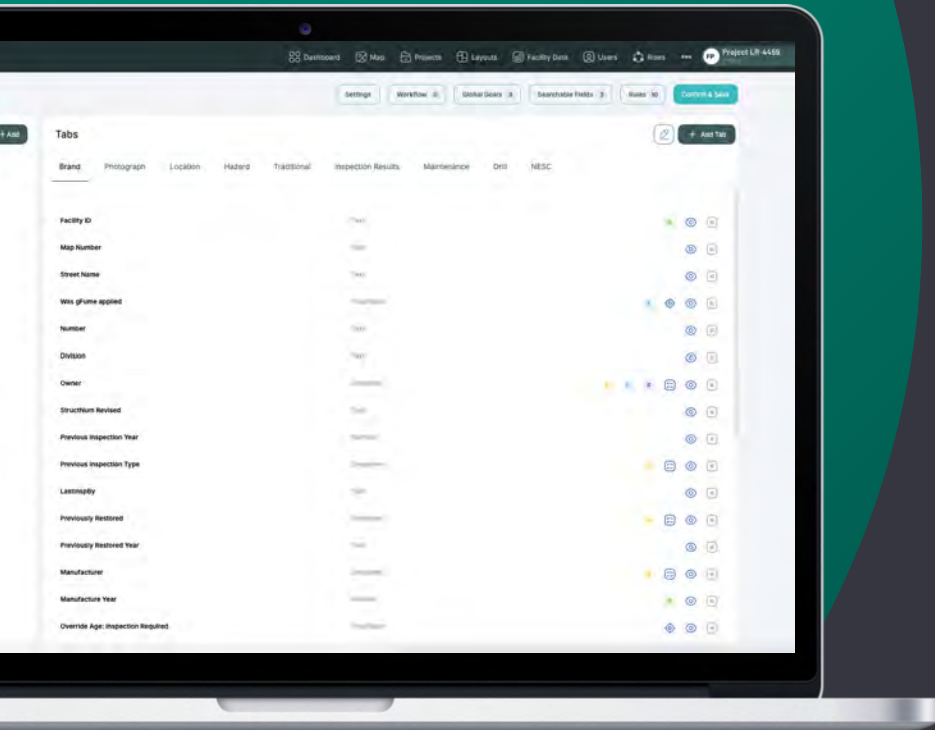
01

Agility and Flexibility

Dynamic form building allows for data capture based on input types: Text, Numbers, True/False and more.

02

Business Logic

Apply rules that precisely govern how data is captured to enhance accuracy.

03

Photo List Capture

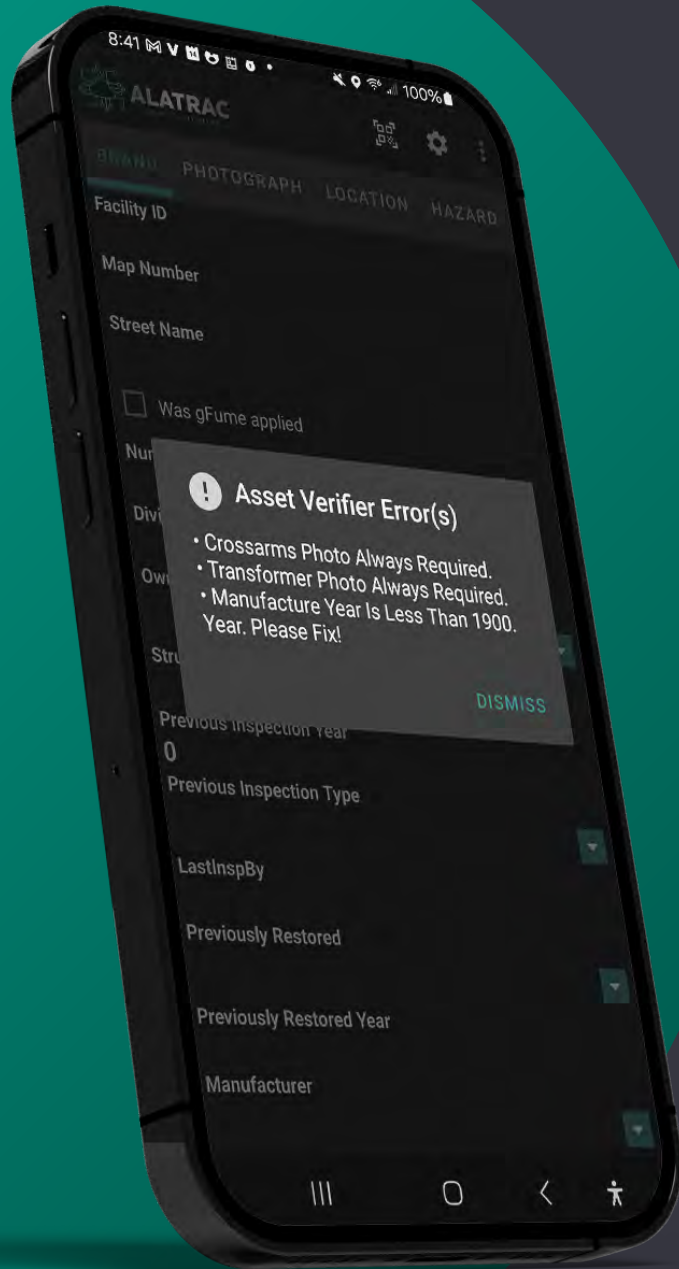Build photo capture lists and apply business logic to ensure the photos you need are captured in the field.

04

Default Pages

Location Capture, Drill Capture, and NESC Violations provide default structure to help you quickly build your project.

Rules Engine

You Make the Rules

Tailor your business logic to define exactly which regulatory information must be collected, and ensure your data is captured the way your business requires.

Get it Done in One Trip

Applying your business logic clarifies the data collection process and leads to greater accuracy in the field. You'll capture everything you need in a single trip, saving labor, equipment and fuel costs.

Photo List Builder & Photo Annotation

Photo Lists

Build photo lists to guide technicians through the process of capturing required photos.

Rules Logic

Apply logic against form data, or just simply require a photo capture during an inspection.

Add Details

Inspectors can easily draw on photos and add text descriptions to provide precise context for images.

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Workflow Builder

Use the Workflow Builder to allow inspection data to travel from the primary form inspection layout to sub-layouts. This is an efficient, easy way to automate workflows such as Quality Control, Additional Work, Re-Inspection and more.

Conditional Workflow

Move inspections based on a condition such as Full Treatment Required. This automates additional workflows from a primary inspection.

Percentage Workflow

Move inspection data based on a percentage of completion. For example, if you require 10% of your inspections to have QC (Quality Control) performed, use the Workflow Builder to move 10% of inspections to a Quality Control layout.

Conditional + Percentage Workflow

Combine the best of both worlds and use both conditional logic and a set percentage to move work from a primary layout to a QC layout.
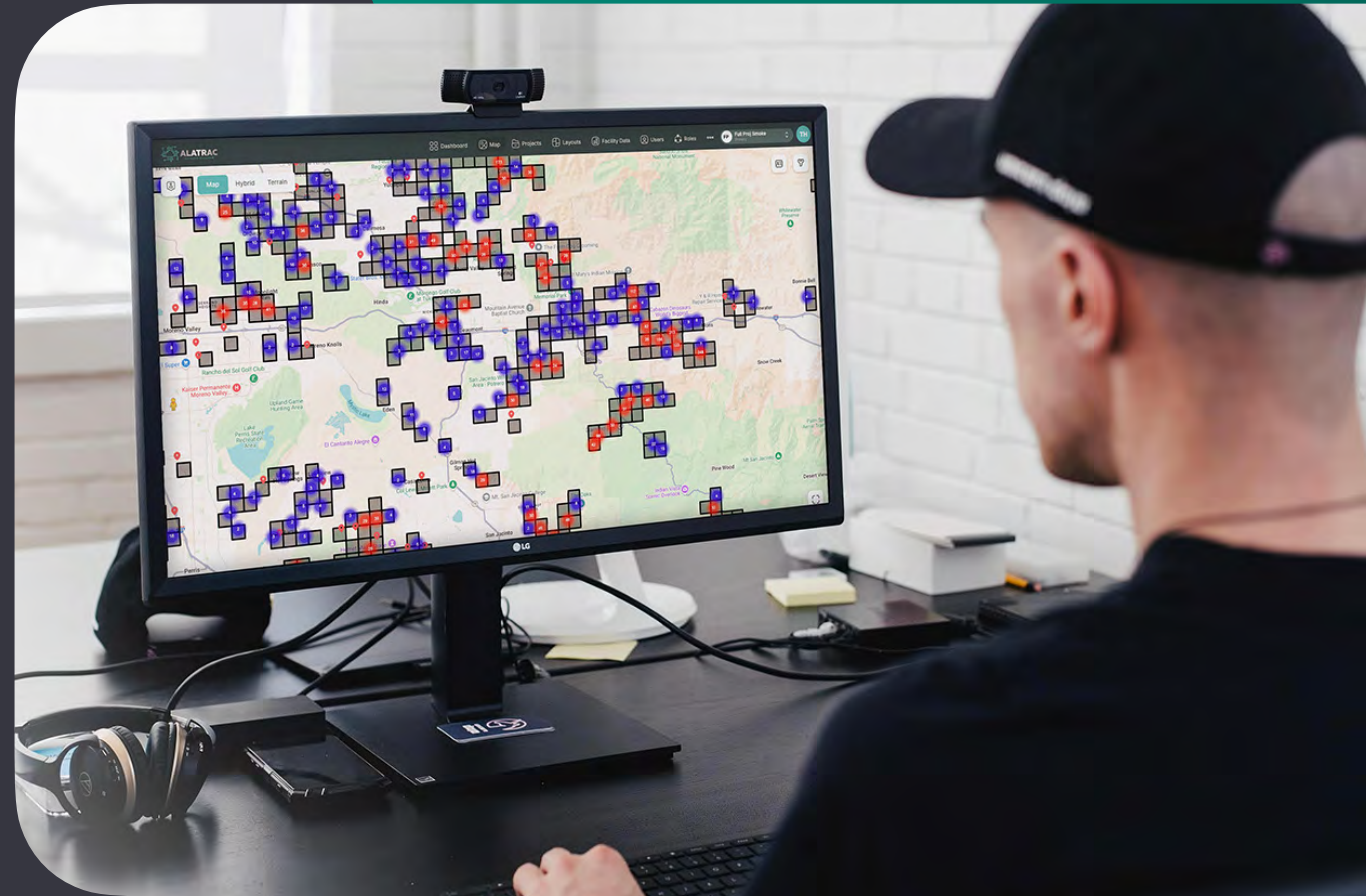
Map and MGRS Grids

Manage Inspection Assignments

Alatrac's map and MGRS grids make it easy for managers to view and assign remote field staff inspection tasks, no matter the size of the project.

View Project Status

Gather quick stats on the project status by using Alatrac's map interface.

Hound Engine

Alatrac's proprietary mobile application telemetry engine, Hound, captures field technician insights using GIS data.
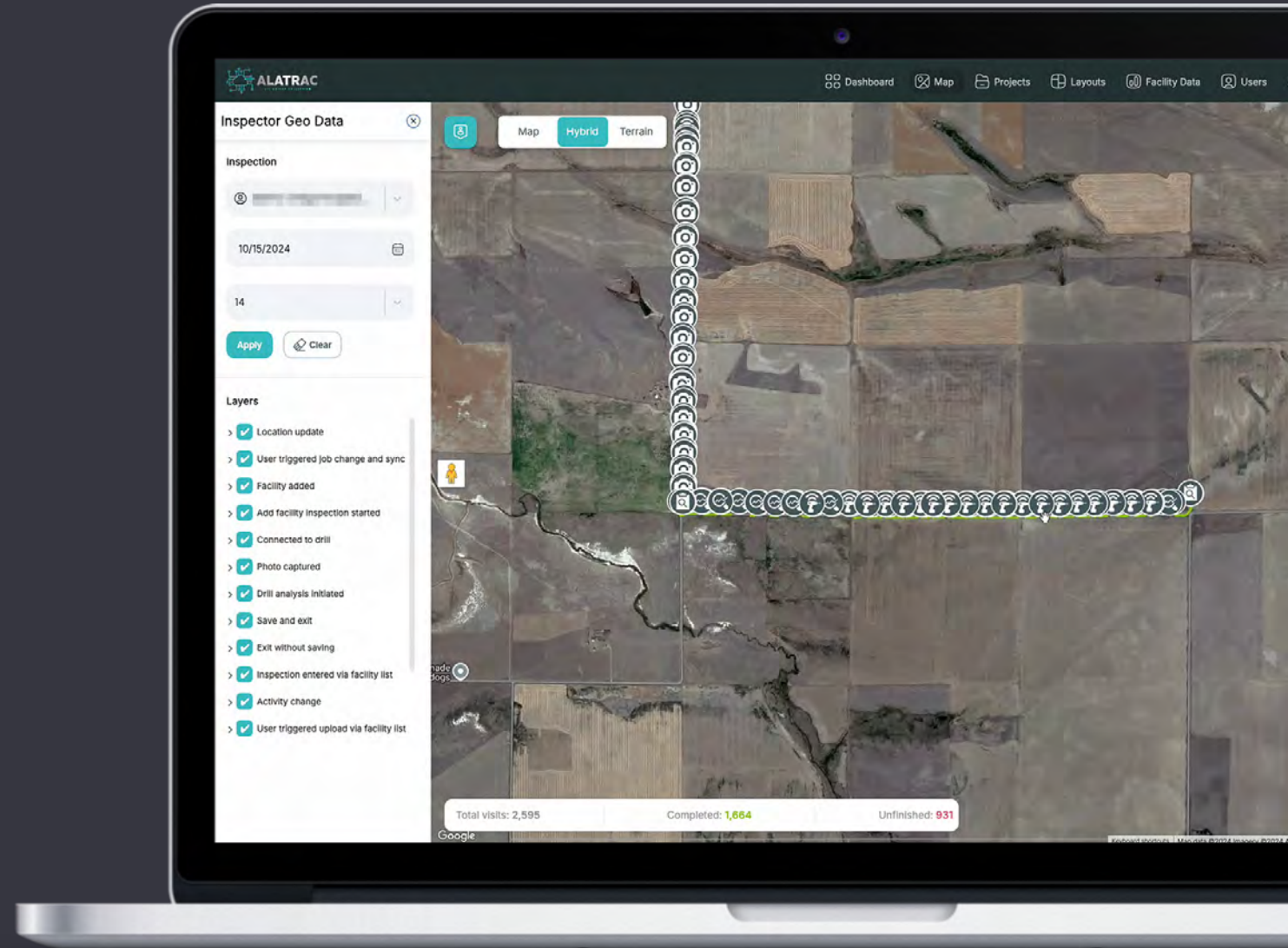
View Inspection Location Data

Supervising remote work and validating it has never been easier. Simply view inspection events captured by the Hound Engine.

Use Hound Data to Reduce Risk

Verify locations and confirm events happen where and when they are supposed to. Hound enables you to leave guesswork out of the inspection process.

Pricing

Annual Contract Required

$2,995
One Time Fee

Setup Fee
Standard base setup charge

$2,100
/Month

Basic Package
Includes up to five users

$299
/Month

Additional Users 6–50
Per user cost for users 6–50

$199
/Month

Additional Users 51+
Per user cost for users 51+

Conclusion

Get In Touch

We've poured years of time and effort into creating one of the best data collection applications available. Let us help you leverage Alatrac's powerful features for your success. Reach out today and tell us more about you.

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