



**GROUNDHOG**  
MINE DIGITIZATION & AUTOMATION

Get More Done Faster



[groundhogApps.com](http://groundhogApps.com)





## **From humble beginnings to industry leaders**

In 2012, GroundHog started with a Fleet Management App designed exclusively for Underground Mines.

Since then, we have undergone a remarkable transformation. Today, we proudly offer the most comprehensive mine digitization platform that covers every aspect of mine operations, control rooms, maintenance, quality control, and safety.

We deeply understand the unique challenges faced by the mining industry. That's why our platform strikes the perfect balance between user-friendly design and advanced features. It's not just easy to navigate; it's a powerhouse of capabilities that mines can't do without. Join the ranks of satisfied mining companies who've already made the smart choice – choose us to Digitize your mine, and let's take your sites to new heights!

### **A global presence**

What began as a humble venture in Nevada and California has now blossomed into a global success story! Our products have made their mark in mining operations across the United States, Canada, Argentina, Australia, Saudi Arabia, Zambia, Namibia, Egypt, Papua New Guinea, Sweden and India.



Two Friends launched an app-building business. Awarded a contract by one of the largest Mining OEMs to build a fleet intelligence app

**2011-2012**



Released first version of GroundHog **UG FMS** based on peer-to-peer technology. Selected by one of the largest Gold Mining company's Digitization initiative based on feature comprehensiveness and customizability. Followed quickly with install second gold mining company in Alaska

**2014-2017**



Expanded product portfolio to digitize Safety operations. Introduced **rapidInspect** for EHS, and GroundHog **LMS** for Safety Training Management. Revamped UI/UX for **Short Interval Control** and **Asset Tracking** for Surface and Underground Operations.

**2018-2019**



# G OUR HISTORY

Rebranded company as GroundHog (from rapidBizApps). Expanded product portfolio to include OpenPit FMS, and added **Mobile Maintenance, Quality Control, Inventory Management, Telemetry**, and integrations with SAP, Deswik, DataMine, Vulcan, Surpac, acQuire and other major mining software.

**2020-2021**

GroundHog expands to **Australia, Egypt, Saudi, India and Zambia**. GroundHog introduces Explosives Management, Construction Crew App, Collision Alerts, High-Precision GPS integration for Surface, and RTLS for Underground.

**2022-2023**

Innovations in CMMS, CAD, Short Term Planning and Maintenance Management.

AND

**Digitizing More Mines**

**NOW**

### Site Safety & Compliance

- Creation of training plans
- Verify Training records & Pre-start checklists
- Recording of hazards and incidents

### Maintenance

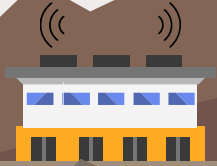
- Schedule planned maintenance
- Track downs & delays
- Monitor equipment performance with telematics

### Warehouse

- Manage inventory of consumables
- Integrate with SAP

### Fuel Station

- Track fuel consumption



# OUR SOLUTIONS

RTLS

### Underground fleet management

- Short Interval Control
- Real Time Location System
- Peer-to-Peer
- Weighbridge Payload Tracking

RTLS



# WiFi Network Mesh

## Surface fleet management

GPS Enabled Geofences

High Precision Support

Automatic Trip Counting

Material Movement Tracking

Charging  
Inventory management of explosives

Collision Alerts

Precision Digging

Precision Drilling

Underground

Surface

Site Safety & Compliance

Maintenance

Miner Safety

Inventory Management

RTLS

RTLS

Collision Alerts



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# **G** FEATURE HIGHLIGHTS

## Surface

### **Create Geofences with Ease**

Define boundaries, set up alerts, and streamline your operations like never before.

### **Revisit Your Trips with GPS Playback**

Analyze trips, identify potential areas for improvement, and make data-driven decisions.

### **Simplify Material Assignments**

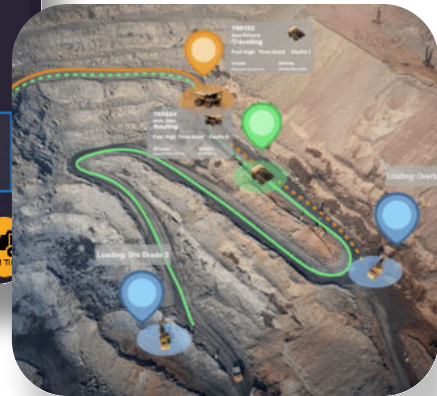
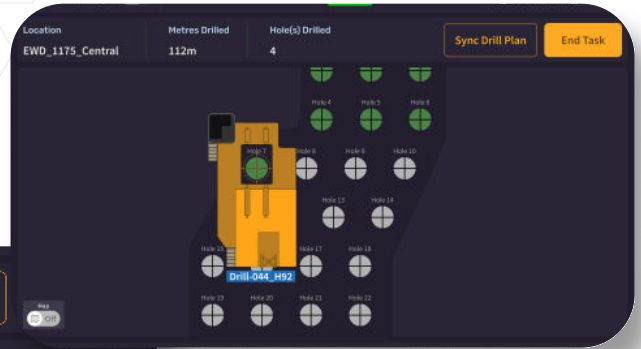
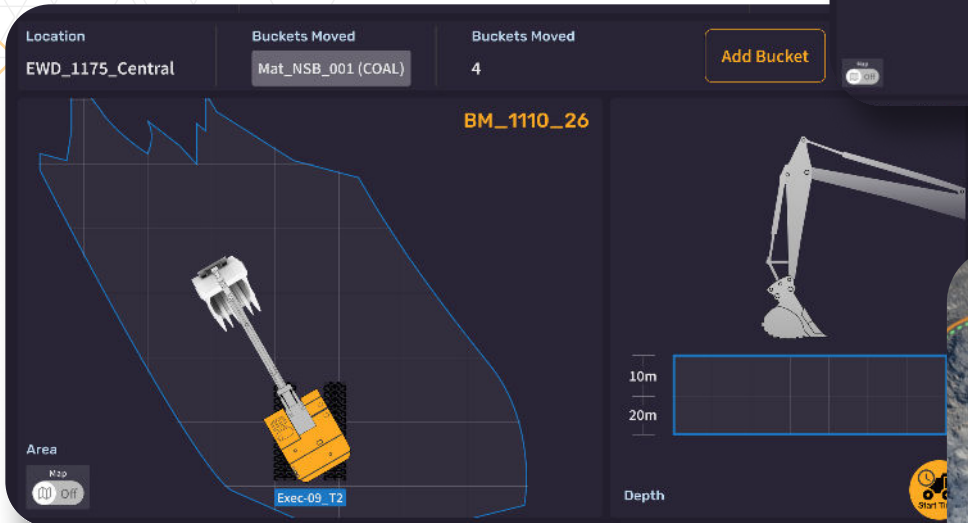
Ensure the right materials are delivered at the right place using the Spotter App.

### **Track Drill Blast Workflow Accurately**

Track your drill blast workflow with unparalleled precision using high-precision GPS.

### **Count #Trips precisely through GPS and Beacons**

Get accurate trip data without manual intervention using GPS, beacons, and angle sensors.







# G FEATURE HIGHLIGHTS

## Underground

### **Optimize your operations with Short Interval Control**

Our cutting-edge technology allows you to monitor and control every aspect of your operations underground in real-time.

### **Track your assets with precision using RTLS**

Identify no-go zones, Locate equipment, personnel, refuge chambers and other assets underground.

### **Synchronize seamlessly between devices**

Peer to Peer technology allows you to effortlessly store and forward information between equipment and to the cloud without losing data.

### **Automate Shift Allocation**

Automatically allocate shifts based on miner & equipment availability, equipment location and previous work history.

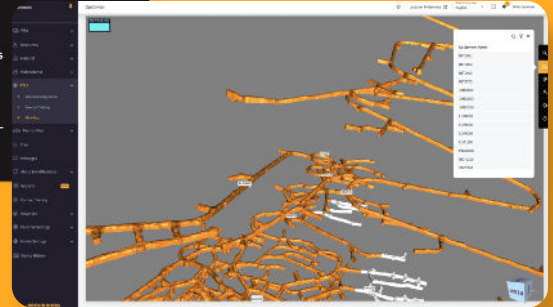
## Cost Effective BLE Based RTLS

- ▶ Commodity Hardware
- ▶ IP68 Rated Tags
- ▶ In-Built Wireless Mesh



- ▶ State-of-the-art 3D mine maps and visualizations
- ▶ Simple-to-configure RTLS Gateways
- ▶ 5-7 yr. battery life on Anchor and Asset Tags
- ▶ 3-4 yr. battery life on Personnel Tags
- ▶ Advanced Apps and Analytics

## GroundHog RTLS



WiFi Gateway



FiberWiFi



FiberWiFi

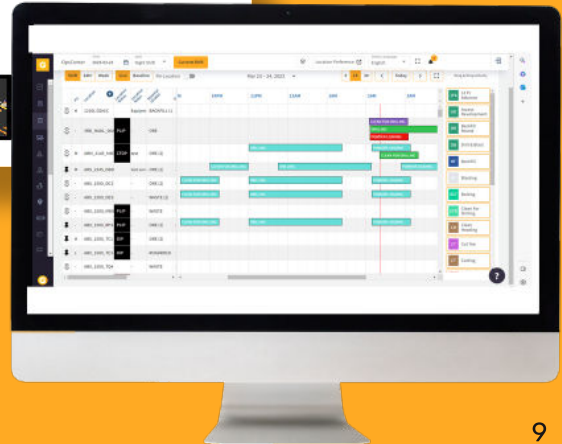
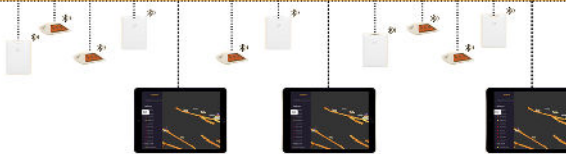


Anchor Tag Mesh Network



Anchor Tags (readers) SELF HEALING MESH NETWORK

Asset & Personal Tags



# G FEATURE HIGHLIGHTS

## Additional

### **Prioritize Miner Safety**

Receive timely warnings when personnel or equipment are in close proximity, reducing the risk of accidents.

### **Ensure Site Safety & Compliance**

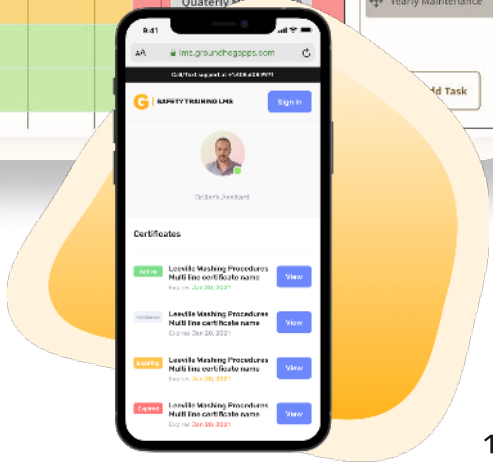
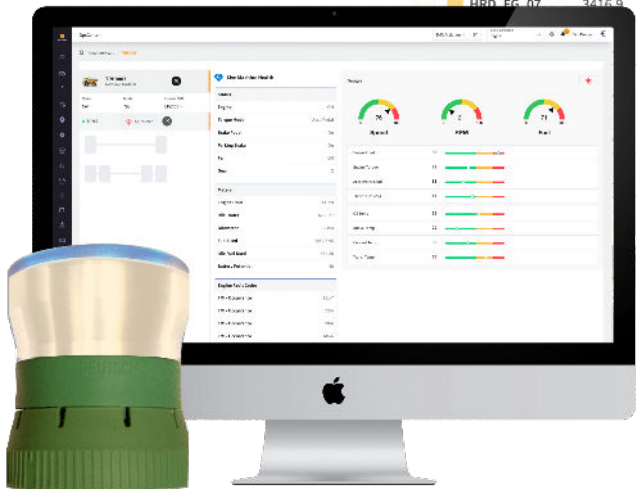
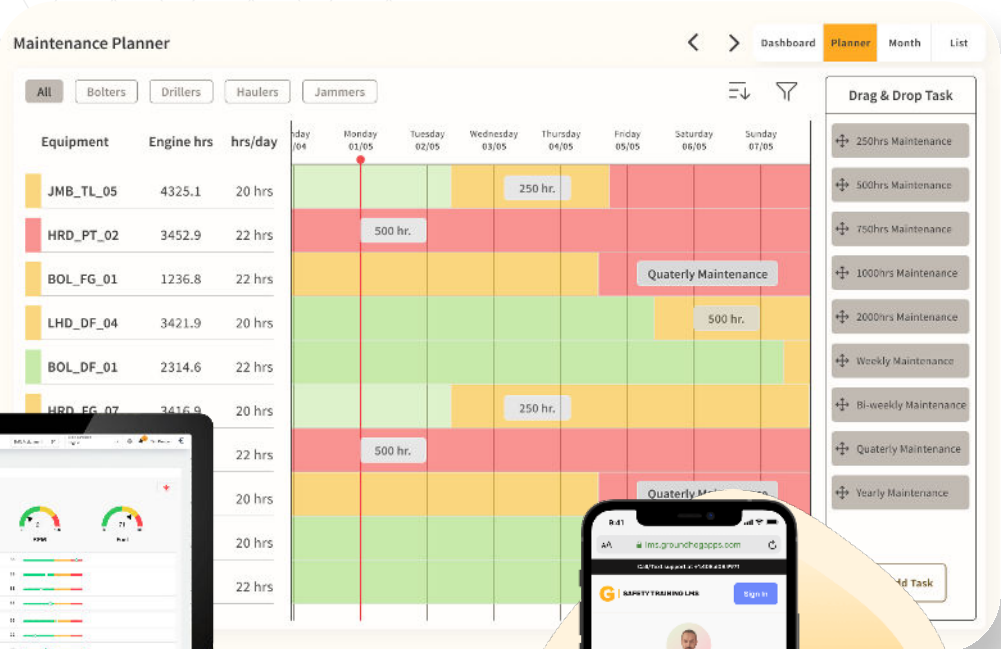
Simplify inspections, hazard reporting, and safety training & assessments with our comprehensive site safety and compliance tools.

### **Simplify Maintenance Management**

Schedule and track planned maintenance effortlessly. With real-time data from telematics, monitor equipment performance and detect delays or breakdowns before they happen.

### **Efficient Inventory Management**

Keep track of consumables and explosives with ease. Our inventory management feature alerts you when stock levels are low or when items are running out.



# Experience the Difference with GroundHog



## **Simplicity at its Best**

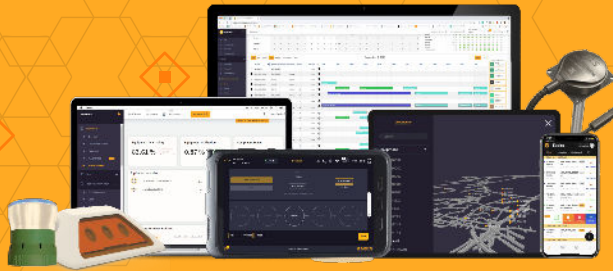
We believe that simplicity is key. That's why we design our solutions with ease of use in mind. You don't need extensive training to operate our products - they are intuitive and user-friendly. Get up and running quickly without any hassle.

## **Configure to Fit Your Needs**

Your mine is unique, and so are your processes. That's why our solutions are highly configurable, allowing you to tailor them to your specific requirements. With GroundHog, you have the flexibility to customize and optimize your operations.

## **Customer Support that Goes Above and Beyond**

At GroundHog, we pride ourselves on our exceptional customer support. Our dedicated team is always ready to respond promptly to any customer requests, issues, or enhancements. With us, you can be confident that your needs will be met efficiently and effectively.



NATIONAL



NEVADA COPPER



## Industry Expertise for Reliable Solutions

With over a decade of experience as software engineers in the mining industry, we bring extensive technical knowledge to our products. Our solutions are built with the latest technology and architecture, ensuring they meet the unique challenges of the mining sector.

# G CLIENT TESTIMONIALS

Short Interval Control took us from 3300 tonnes per day to 4500 tonnes per day - a 36% increase

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**Miguel Lamadrid**  
Mine Manager, Barrick Gold

Peer-to-peer is a game changer for an operation like ours - trying to get WiFi for the whole 35 miles of drifts is a non-starter. With P2P, we can still get the data we need fast.

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**Doug Zwick** | IT

GroundHog LMS truly simplifies training management; Friendly interface; Convenient to access on the PC or Smartphone.

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**Joao Roorda**  
HSECQ Manager

Groundhog gave us the real-time visibility we needed to meet our daily, weekly, and monthly targets.

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**Paul Stolar**  
Mine Manager

## **A Comprehensive Curriculum**

Our courses cover basic to advanced topics in digitization, including short interval control and time utilization models, suitable for all levels of experience.

## **Learn from Industry Experts**

Our courses are taught by industry experts with practical experience to help you apply your learning in a professional setting.

## **Become A Certified Expert**

Our certifications help you excel in your field, stand out, and open up new career growth opportunities.

# **Become A Digitization Expert With GrounHog Academy!**

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# G OUR INSTALLS



**Our Locations: Australia | USA | India | Canada**

