

AXORA

METALS & MINING AX01218

**Satellite-based asset track and trace solution
for rugged environments**

The technology
marketplace for
heavy industry

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SATELLITE-BASED ASSET TRACK AND TRACE SOLUTION FOR RUGGED ENVIRONMENTS

How it works

Mining and oil and gas operations are complex and in hazardous places, even more so when they are located off-shore or in remote, difficult to access parts of the world. Without an efficient tracking system in place, it is easy to misplace assets, which can disrupt production and result in a loss of revenue and wasted CapEx.

This asset track-and-trace solution enables non-powered and powered assets and vehicles to be tracked in the most remote areas and challenging conditions. It already provides global traceability and full visibility for over 160,000 field assets.

The trackers require no maintenance and can be placed almost anywhere on an asset. Each tracker's unique metal bezel and hermetically-sealed construction means that it can continue operating even when faced with extreme temperatures, forces, and chemicals.

The trackers are connected to the cloud-based platform through the fully secure, global Iridium Satellite Network, and they also use two-way communication and Bluetooth Low Energy connectivity. All the real-time asset data is displayed on an intuitive dashboard where it is turned into actionable analytics, ensuring that operators can respond to issues quickly and appropriately.

Not only does this solution ensure efficient asset location, retrieval, and response times, but it can also assist with other asset management tasks, such as rental invoice auditing, service delivery verification, engine run-time monitoring, inspection compliance, and equipment maintenance alerts. It maximises efficiency, reduces costs, ensures better utilisation of assets, and faster lead times.

Key facts

tracks over

160K

field assets

100%

satellite-based
communication

- › Certified for use in
ATEX Zone 0
hazardous areas

TOP BUSINESS BENEFITS

There are five main business benefits to this asset track and trace solution:

- › Reduces CapEx
- › Improves asset traceability
- › Optimises asset use
- › Cuts costs
- › Optimises workforce productivity

By enabling the tracking and management of assets, wherever they are in the world, in real-time 24/7, this solution helps operators to ensure that each of their assets is used to its full potential. They may find, for example, that two identical assets are only being used 50% of the time in the same location, so it makes economic sense to sell one of the assets or end its rental.

To further reduce CapEx, where rented assets are no longer required, this solution ensures that they are returned to their owners as fast as possible to minimise asset hoarding. If a billing dispute arises over rented assets, it can be used to verify the time a rented machine was in use.

This solution ensures that asset use is optimised and that employees are working to their full potential, and it highlights where costs can be reduced without impacting on production.

Top benefits

- › Reduces CapEx
- › Improves asset traceability
- › Optimises asset use
- › Cuts costs
- › Optimises workforce productivity



Tracking device

CUSTOMER SUCCESS STORIES

U.S. oil and gas services company

Challenge

This oil and gas service company realised that it was failing to optimise its asset use and it wanted to centrally track its maintenance records.

Solution

Following the deployment of this solution, this oil and gas company now has a single application for managing and locating its powered and non-powered assets and its vehicles. Its preventative maintenance is now better managed. It can locate vehicles and update registration stickers, DOT compliance and state inspections, and it can set up geofences that alert maintenance teams that an asset requiring maintenance has arrived.

Chilean mining services company

Challenge

This mining technical services company needed an efficient way to monitor their dispersed assets in real time.

Solution

The deployment of the solution allowed them to achieve their goals and monitor all their assets on demand. Especially useful with specific equipment that is constantly moving, they are now able to avoid misplaced or lost equipment, which was a serious issue before the deployment.

US mining company

Challenge

This bentonite clay mining leader has typically seven-12 active locations on any day, within a 60 mile radius. They need to track equipment cycle times and heavy- and light-duty trucks.

Solution

The deployment allowed the company to improve operational logistics, mine production, and equipment maintenance by tracking geo-positions, engine runtime, and location for their powered mining equipment and vehicles, both on and off mine sites.

FAQ

How long does each tracker take to install on an asset?

The trackers can be installed on an asset in minutes.

How often must the trackers be replaced?

Each tracker should work for up to ten years.

Are the trackers certified for use in hazardous areas?

Yes, many of the devices are certified for use in ATEX Zone 0.

Is there a range of devices for different scenarios?

Yes, there is a comprehensive range for either vehicle or equipment tracking use cases, and for non-powered and powered equipment.

What's the warranty on your devices?

There's a standard one-year warranty for defects, materials and workmanship, with a three-year extended warranty also available.

What does the subscription include?

It includes satellite or cellular network access, connectivity, and messages, along with unlimited access to a web-based cloud services or track-and-trace software application.

Do you offer free trials or POCs?

We will work with you to check the fit of the solutions to your business needs. If we both see a good fit, trial or demo evaluation processes can be worked through with specific success criteria.

About Axora

Axora is the global technology **marketplace** for heavy industry. We source the best innovative solutions, to solve the biggest industrial problems.

Our service helps industrial companies to discover, evaluate, procure and deploy technology from all over the world.

Entrusted globally by 100s of industrial leaders and innovative solution providers, we help companies take action to hit their safety and sustainability goals.

Your next steps

→ [Email us](#)

About the solution provider

Founded in 2007, this award-winning US-based company is focused on using technology to optimise field operations. Combining a cloud-based SaaS platform with rugged GPS tracking devices and satellite and cellular networks, its technology helps operators better manage their field operations wherever they are in the world. Its track-and-trace solutions cover asset location and retrieval, service delivery verification, rental invoice auditing, inspection compliance, equipment maintenance alerts, and more.

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