

# ENABLING connected mining

## Benefits of Inmarsat's Resource Exploration Solution:

- 1** Global reach – complete freedom to explore remote geographies and access reliable connectivity
- 2** Accelerated decision making – make the most of your data by analysing and communicating in a timely manner
- 3** In region support – Inmarsat offers support services wherever exploration takes you
- 4** Reduced complexity – deal with one supplier for your global remote connectivity needs
- 5** Flexible services/plans – we build your solution so you can access the right services, level of management and payment plans

## Exploration connectivity for mining major

Inmarsat delivers managed services for the organisation's global exploration programme, responding to a need for far-reaching connectivity.

### The challenge

A major mining company with a global exploration footprint faced a number of connectivity and communications challenges in the hunt for profitable deposits. With the majority of its exploration operations undertaken in remote and often inhospitable environments, its teams were unable to regularly access reliable cellular networks.

The lack of reliable connectivity proved to be a significant barrier to efficient exploration operations, because teams were often unable to transfer data from drill cores, mineral results and soil samples back from base camp for analysis in a timely manner. The team often had to resort to sending a member of staff back to the office or a location with basic connectivity with a USB stick or hard drive containing the data, a very slow process that added significant operational costs and risk from travelling in remote areas. This delay in analysing crucial data meant that teams risked spending unnecessary time and considerable resources exploring unprofitable sites.

In some instances satellite connectivity was procured through local operators. However, with the mining company's exploration teams regularly moving from country to country, multiple suppliers with different contracts

were initiated, leading to spiralling complexity. This approach led to wasted time setting up new accounts with new service providers, with the mining company also struggling to get support if there was a technical issue or fault. It was a time-consuming and complex process to organise, increasing the costs of accessing the necessary connectivity and distracting staff from their core focus of exploration. The mining company needed a solution that could provide them with reliable connectivity wherever they were located, regardless of how remote or in which country they were operating.

### The solution

Inmarsat has provided the mining company with its Resource Exploration Solution, delivering the benefits of Inmarsat's high-speed Land Xpress (LX) service as a managed service. The managed service approach means that Inmarsat manages the hardware delivery, training, installation, licensing and regulatory approvals, as well as guaranteeing the uptime of the solution. Operating in the resilient and high-speed Ka-band, Inmarsat's LX service offers powerful, reliable and highly secure connectivity anytime, anywhere, with download speeds of up to 16Mbps. This means the team can stay connected at all times, no matter how remote they might be.

Joe Carr, Director of Mining Innovation at Inmarsat, commented: "We are providing a comprehensive managed connectivity service to the mining company for their global exploration teams. With our high-speed LX service in field, staff can access reliable connectivity regardless of where they are. The solution is fully mobile and takes advantage of Inmarsat's global connectivity, so that when the teams move across borders and into new environments they can continue to use a single service."

"Resource Exploration Solution is a managed service, which means that for a fixed monthly fee, the global exploration teams can avoid the hassle of sorting out new connectivity solutions in every country they operate in. In addition, the solution means they do not have to purchase any equipment or hardware upfront and that we will resolve any technical issues, giving them peace of mind with reliable connectivity and enabling them to focus on their exploration programme."

## The results

By using Inmarsat's Resource Exploration Solution, the mining company has been able to ensure that any data can be transferred

rapidly for analysis back to head office, without having to physically send a member of staff with a USB stick. This has sped up the company's decision making process and its ability to confirm whether an area has potential. The company has also streamlined its procurement and supplier management process by limiting the number of remote connectivity providers it is using, saving time and money. Additionally, users on the ground have had access to emergency response services wherever they are, as well as the ability to contact their family and friends, helping them stay happy while they are working in remote corners of the earth.

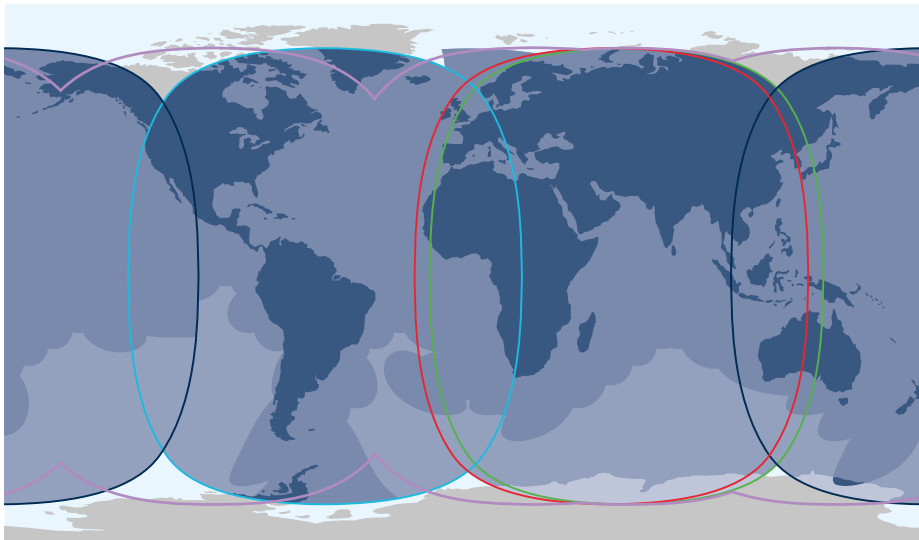
Joe Carr concluded: "With Inmarsat's Resource Exploration Solution, the mining company is able to save valuable time for its exploration teams as well as reducing risk associated with remote travel. They can access the same highly reliable communication network wherever they are located, regardless of how remote or in which country, supported by our comprehensive managed service model. By accelerating the transfer of crucial data from field camps, our solution has significantly increased the efficiency of exploration operations by reducing the number of days that teams have to spend in one site."



## About Inmarsat

Inmarsat is the leading provider of global mobile satellite communications services. Since 1979, Inmarsat has been providing reliable voice and high-speed data communications to governments, enterprises and other organisations, with a range of services that can be used on land, at sea or in the air. Inmarsat operates around the world, with a presence in the major ports and centres of commerce on every continent. Inmarsat is listed on the London Stock Exchange (ISAT.L). For more information, please visit [www.inmarsat.com](http://www.inmarsat.com)

## Inmarsat I-4 and I-5 network coverage



□ I-5 F2   
 □ I-5 F1   
 □ I-5 F3   
 □ I-5 F4   
 □ I-4 and Alphasat coverage

■ Global Xpress network available over at least 99% of this area   
 ■ Extendable Global Xpress coverage via steerable beams

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## About Inmarsat Enterprise

Inmarsat Enterprise is focused on the provision of satellite connectivity and IIoT solutions for land-based businesses. Inmarsat Enterprise operates globally across a diverse set of sectors including agriculture, aid and NGO, energy, media, mining and transport.

## For more information

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