

SHORTCUT TO PROFITABILITY





SPEED UP THE PROCESS WITH REAL-TIME COMMUNICATION

Reducing the time from initial prospecting of a potential mineral deposit to lucrative exploitation is of high importance for new mining projects.

Usually decision-makers are far away from the site. A way to obtain time reduction is to increase the efficiency of on-site communications. Conclusions can be drawn much faster when geological test results and geospatial informa-

tion can be exchanged rapidly between headquarters, base camp and field team.

EXPLORER terminals utilizing Inmarsat's BGAN can help to speed up the process by making the exchange of information and communications easy and efficient, thereby saving both travel time and money.

IDENTIFIED NEEDS FOR THE MINING INDUSTRY

PROSPECTING (1 – 3 YR)	EXPLORATION (2 – 5 YR)	DEVELOPMENT (2 – 5 YR)	EXPLOITATION (10 – 30 YR)	RECLAMATION (1 – 10 YR)
<p>Exchange of geological test results and exploration data between headquarters, base camp and field team</p> <p>Synchronize geospatial information with database</p> <p>Communication equipment to provide safety, security and welfare for field teams working remotely</p>	<p>Real-time troubleshooting of equipment in remote places</p> <p>Exchange of exploration data with database or headquarters</p> <p>Communication equipment to provide safety, security and welfare for field teams working remotely</p>	<p>Communication equipment for mobile field teams working within the perimeter of the site</p> <p>Remote troubleshooting of equipment, geological discoveries and facilities</p> <p>Communication equipment to provide safety, security and welfare for field teams working remotely</p>	<p>IP connection to facilitate remote monitoring and site surveillance</p> <p>Communication equipment for mobile field team working within the perimeter of the site</p> <p>Back up to primary and more permanent communication equipment</p>	<p>Communication equipment for general connectivity needs when permanent communication infrastructure is taken down</p> <p>Database access to reclamation information</p> <p>Communication equipment to provide safety, security and welfare for field teams working remotely</p>

Immediate sharing of information

EXPLORER terminals support both voice and data traffic. This means that problems can be discussed and solved as they happen and decisions can be made faster and with greater accuracy. EXPLORER also allows field teams to remain in touch with family and friends, and, in case of emergency, they can call for assistance at even the most remote locations.



When the prospecting and exploration phases are complete and actual exploitation begins, satellite communication becomes critical to the continual optimization of work processes.

EXPLORER terminals are valuable for smaller mobile field teams working within the site perimeter. The terminals can support remote monitoring and surveillance systems and reduce downtime caused by unforeseen damages. Additionally, the EXPLORER provides an efficient and cost-effective backup to primary and more permanent communications equipment.

EXPLORER terminals can enhance processes, help lower operational costs and increase efficiency and productivity while lead-time is significantly reduced.

Learn more on www.thrane.com/mining



Features and applications

- Combined radio and satcom solution
- Geospatial software
- On-site test equipment and test software
- VPN to corporate network
- Access to databases
- Monitoring and surveillance equipment
- Standard office applications
- Video conference
- Telemedicine



Advantages

- Optimize processes and lower the operational costs through enhanced real-time communication
- Greater accuracy and rapid response time on test results
- Monitoring and surveillance reduces downtime caused by malfunctioning equipment or unforeseen damages on the site
- Increase the welfare of the field team with the ability to stay connected to family, friends and emergency assistance

REAL-TIME COMMUNICATION SAVES MONEY

EXPLORER®



High-Speed Broadband Communication



World Wide Web
Surf the Internet as at the office or at home – from even the most remote places.



E-mail
Often, the crucial part of an e-mail is contained in a large attachment. With EXPLORER, reading the e-mail and downloading the attachment is swift and easy.



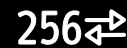
Phone
Connect a handset via cable to the EXPLORER. The Wireless Bluetooth connection offers support for up to two devices, including hand-, hand- and earsets.



Fax
Easily connect fax via cable.



Corporate LAN
Gain access to corporate network to exchange databased related information. Accessing data via secure VPN.



Streaming Data
Guaranteed data rates on demand up to 256 kbps. Choose the data rate on case basis, depending on the application.

EXPLORER 300 is among the smallest and most compact BGAN terminals. It has never been easier to stay connected from anywhere in the world.

EXPLORER 500 is the perfect choice if you are looking for a small and lightweight voice and broadband data communications device. Despite the size of the terminal, the EXPLORER 500 allows the field worker to check e-mails while a colleague is making calls – from anywhere in the world.

EXPLORER 700 is the all-time expert device for voice and broadband data communications, even for remote and challenging locations. The terminal is the number-one choice in durability and versatility, able to withstand severe geographical conditions such as humidity, dust, extreme weather and changing temperatures.

EXPLORER 727 is a vehicular broadband terminal, which enables the user to be online in an instant. Simply mount the EXPLORER 727 on the roof, and your vehicle becomes a mobile communication hub.