

 **ITC Global:** Mining Solutions

High-performance networks for business-critical operations





It's a seamless world out there – or at least it should be. Your engineer 400 miles from nowhere should have the same access to your corporate network as the engineer just down the hall. In harsh or isolated environments where conventional communication methods are neither available nor economically feasible, ITC Global shines. Our expertise in next-generation networking enables us to provide world-class communications in the world's most difficult regions.

AN EXPERIENCED, GLOBAL PARTNER

ITC Global has the industry experience and global resources necessary to develop a strategic communications plan for your business. We design, engineer, and deploy networks that are ultra-reliable and customized to meet your unique requirements and dynamic operations.

With completed projects in over 55 countries on 6 different continents, ITC Global has the experience that modern mining companies need to be successful anywhere in the world. Currently, we operate more than 1,200 remote sites around the world, including over 400 operational sites in Africa. We also offer clients the reliability and expertise of a 24/7/365 Network Operations Center, as well as office locations and full-time staff on four different continents.

ASSESSING UNIQUE CUSTOMER REQUIREMENTS

The foundation of the ITC Global approach is a comprehensive assessment of your existing communications infrastructure to identify needs and performance gaps. We then evaluate the best way to provide reliable connectivity for each segment of your overall network. The result is a fully-optimized design that delivers a consistent quality of service across your global operations.

We also lead a thorough financial analysis to ensure that new investments are strategic to your operation. We understand

that today's networks are not static, so we consider your future business plans to ensure that a network can scale to accommodate growth.

VIGILANT NETWORK MANAGEMENT

Whether they are supporting SCADA and telemetry networks, sundry command and control systems, or simply offering entertainment and Internet access to remote workers, modern mines have a sophisticated range of communications needs. ITC Global addresses these needs through its sophisticated network management solutions.

ITC Global's robust monitoring systems provide deep network visibility and enable our skilled NOC staff to proactively monitor latency, throughput, packet loss and utilization. Mining companies have real-time access to this same visibility through our customer portal, where they can examine bandwidth utilization and error reports for every site, router/switch interface and virtual local area network (VLAN).

We also provide a single point of contact for initiating and prioritizing trouble tickets. By deploying out-of-band management on all our antenna systems, we can remotely correct most problems that occur, but we also can send locally-deployed field personnel to take further action when support is needed onsite.

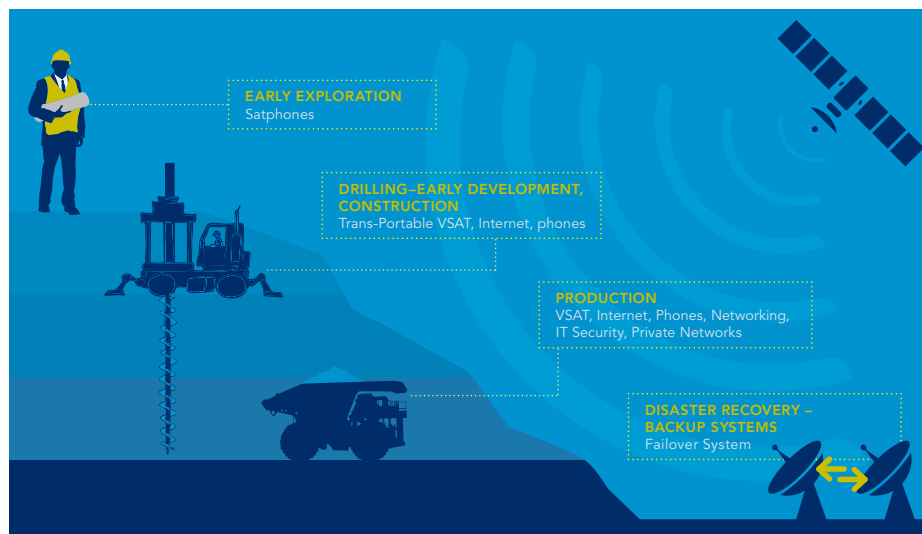


With ITC Global, you can transform your investments in communications infrastructure into a strategic asset that supports your business operations.

ENGINEERING & MANAGING END-TO-END COMMUNICATIONS

ITC Global offers mining companies a complete, end-to-end communications network solution. After working with you to develop your network, we deliver the technology and operational support to get communications up and running at your mining site and throughout each phase of the operation.

The Growth Phases and Network Needs of a Mining Communications System



ITC GLOBAL: AN INDUSTRY INNOVATOR

ITC Global has more than 15 years of experience designing, building, optimizing and supporting VSAT-based communications networks for mining companies across the globe. We also currently own and operate the largest deployment of the iDirect Evolution platform in the mining sector, enabling our customers to leverage its efficient VSAT solutions to maximize productivity during mining operations.

ITC Global also manages one of the largest satellite bandwidth pools in the industry. Purchasing bandwidth in large quantities helps drive down costs per megahertz, allowing ITC to offer the best combination of technology and affordability. And when you need to grow your communications links to incorporate new sites or expand existing sites our networks have the headroom to accommodate increased bandwidth demand.

WHY ITC GLOBAL?

ITC Global has the expertise to manage your complete project from start to finish. We handle the challenge of bringing together all of your systems and technologies into one integrated solution, merging your disparate networks onto a single, efficient platform. And we do all of this according to in-country best practice. We deliver an end-to-end communications network solution, tailored to your mining organization's needs.

Understand how to maximize your project and operational success through:

- Exploration, BFS phase, and production
- Scalable & global network solutions
- QoS to prioritize mission critical applications
- Private networking solutions via public Internet
- Ease of deployment, ITC Global handles end-to-end efforts
- Achieve global voice & data networking from a single provider

COMPREHENSIVE SERVICES

ITC Global knows that remote mining sites require dedicated network management support. Our experienced engineers can optimize your communications links for these systems, which include:

- Vehicular, fixed and handheld two-way radio networks
- SCADA and telemetry networks
- Telephony systems ("PABX")
- Village communications, entertainment systems, and Internet access
- Cellular transmission and re-transmission equipment
- Corporate LAN and server hosting (and attendant power and environmental controls)
- Sundry command and control systems (e.g. water bore fields, fuel systems, access control)

CONSOLIDATED BEAM COVERAGE



For more information about ITC Global and our service offerings, please contact one of our offices at:

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