

# **ENERGY SOLUTIONS**

Global Satellite Telecommunications





The fossil and renewable energy industry has seen operations growing rapidly over the last 2 decades and is now more than ever a matter of strategic importance for businesses and governments.

We understand the need for oil and gas, mining or utilities sites to rely on secure, scalable and most importantly reliable communications. IEC Telecom

Usually located in the most remote locations on earth, energy projects sites usually suffer from inexistent or unreliable telecommunications networks and need to deploy voice and data connections for their daily activities.

## MAINTAIN COMPLEX AND SECURED COMMUNICATIONS

From exploration phase to extraction or production, rigs or mines sites can count on IEC Telecom Group satellite solutions to:

- Ensure a constant link with their headquarters, aiding faster decision-making
- Access to operation-critical applications such as email, videoconference, SAP...
- Reliably transmit, access, exchange and monitor their data
- Provide welfare communications to the staff helping to maintain morale during periods of separation from their families

IEC Telecom has significant experience in delivering, integrating and maintaining satellite-based communications systems such as **MSS (Mobile Satellite Service)** or **VSAT** to the energy sector. Among our customers we number oil and gas offshore and onshore platforms, and mining companies operating in the most hazardous locations, electricity actors and water-management organizations.

## ENHANCED ON-SITE PRODUCTIVITY AND DECISION-MAKING PROCESSES

Sound operational management including maintenance of any energy site is critical, requiring site staff to stay in constant touch with their office or headquarters to ensure close supervision of day to day tasks.

**Mobile solutions for voice and data connectivity** ensure that instructions are promptly passed to site allowing head office to allow instant feedback from diagnostics tests running thousands of kilometres away. Daily productivity is improved as field staff can send and receive emails, text messages, make phones calls and even join videoconferences while working at distant sites.

## DEPLOY M2M SYSTEMS AND IMPROVE PRODUCTIVENESS

Thanks to IEC Telecom Group IP data services such as **BGAN M2M** or **VSAT solutions**, you can automatically send specific measurement data and then monitor usage of your critical infrastructure remotely, avoiding costly and unnecessary visits to site. M2M transmissions result in significant cost reductions and improved assets management.

## ENSURE LONE WORKERS SECURITY WITH LOCATION SERVICE

Generally, being far away from medical facilities, energy companies make Health & Security policy one of their priorities on exploration, extraction and production sites.

To help peace of mind, it has become the rule to equip workers with **satellite phones or mobile solutions** which automatically track their real-time locations. In this way, whatever occurs, the location of on-site staff will always be known allowing prompt response in the case of an emergency.

## CREW WELFARE

For rig or mine owners who seek to retain employees by improving their quality of life, our **Wi-Fi Hotspot** provides a solution while restricting abuse and limiting bandwidth costs.

We are able to provide them with an array of solutions to deploy shared Wi-Fi connections allowing operations staff to stay in touch with their friends and family during their time on duty.



ISATPHONE 2



IRIDIUM  
EXTREME



THURAYA  
XT



THURAYA SATSLEEVE



IRIDIUM  
GO!

## MOBILE HANDSETS

Complete range of satellite phones for voice and low data connectivity at sea.

Many options for marine users such as GPS tracking function, SOS button, compressed messaging system, etc...

## ‘BRING YOUR OWN DEVICE’ - WI-FI ENABLER

Innovative mobile solutions allowing to deploy satellite-based voice and data connectivity using iPhone or Android smartphone.



INMARSAT  
BGAN RANGE



THURAYA IP+



INMARSAT  
ISATHUB

## PORTABLE BROADBAND MODEMS

For high speed data connectivity and voice capabilities. Many options to fit with operational needs: vehicular modems, extra compact and portable solutions.

Large choice of airtime plans adapted to any type of mission: short, medium or long-run.

## VSAT SOLUTIONS

Solutions adapted for high volume usage, as primary connectivity link, back-up or occasional use mode.

Our VSAT solutions provide guaranteed bandwidth.

Large throughput available (up to 50 Mbps) and many hardware options: fixed, quick-deploy/fly-away or vehicular antennas.



VEHICULAR / DRIVE-AWAY  
ANTENNA



QUICK DEPLOY  
ANTENNA



## **IEC TELECOM GROUP INTEGRATES AND DELIVERS HIGHLY RELIABLE MOBILE AND FIXED SATELLITE COMMUNICATIONS SOLUTIONS TO BUSINESSES, PUBLIC INSTITUTIONS AND INDIVIDUALS ALL OVER THE WORLD.**

FOR 20 YEARS NOW, IEC TELECOM GROUP OFFERS HIGH-QUALITY SATELLITE-BASED TECHNOLOGY AND PROVIDES CLIENTS WITH EFFICIENT END-TO-END VOICE AND DATA SERVICES WHEN IT MATTERS THE MOST.

OUR LARGE PORTFOLIO INCLUDES MOBILE, PORTABLE AND FIXED SOLUTIONS AND OUR MULTI-NETWORKS APPROACH ENABLE US TO COVER USERS WHEREVER THEY NEED.

WE ARE ABLE TO DEPLOY TAILORED MANAGED NETWORK COMMUNICATIONS SERVICES AND OFFER A COMPREHENSIVE SUITE OF SYSTEM INTEGRATION, PRODUCTS, NETWORK SERVICES AND VALUE-ADDED SERVICES.

WE BELIEVE THIS INTEGRATED APPROACH OF IN-HOUSE DESIGN AND ENGINEERING EXPERTISE PROVIDES US WITH A UNIQUE ADVANTAGE.

THIS COMMUNICATION LIFECYCLE & VALUE PROPOSITION IS TAKEN TO SELECTIVE VERTICAL MARKETS INCLUDING HUMANITARIAN, GOVERNMENTAL, MEDIA, ENERGY, ENTERPRISE AND MARITIME.

IEC TELECOM GROUP SOLUTIONS ARE DEPLOYED IN EUROPE, AFRICA, MIDDLE EAST AND ASIA.