EMPOWERING YOUR
DIGITAL OILFIELD

FOR CUSTOMER CARE QUERIES, PLEASE WRITE TO THE CUSTOMER CARE CENTER: CUSTOMER.CARE@THURAYA.COM
DIAL 100 FROM A THURAYA PHONE, OR +88216 100 100 FROM OTHER NETWORKS.
YOU CAN ALSO FAX US AT +971 6 8828444

www.thuraya.com/IP

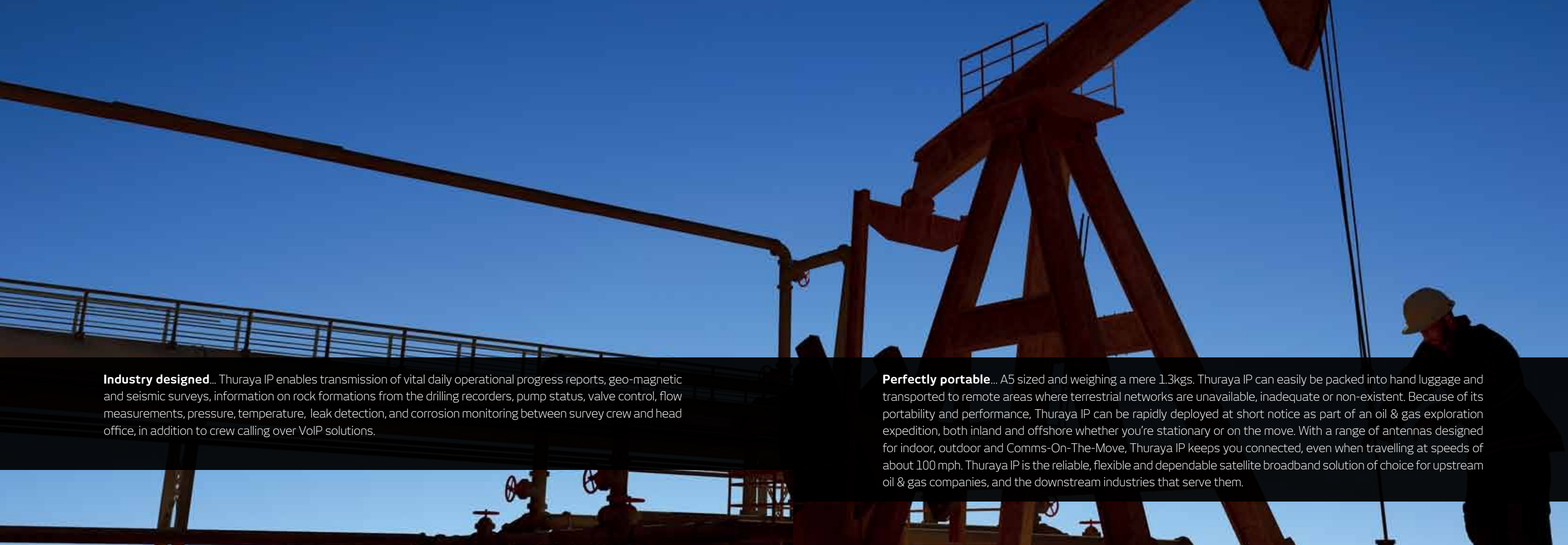Follow us on /thurayatelecom

THURAYA
ENERGYCOMMS

INSTANT INTELLIGENCE IN THE OILFIELD

When the speed and analysis of data transmission can impact operational excellence, you need a solution that is both reliable and fast. Thuraya IP is the most reliable and rapidly-deployable satellite broadband solution for the energy industry. Compact and simple to set-up, it delivers data transfer speeds of up to 444 kbps for Standard connectivity and 384 kbps for Streaming IP, giving energy staff reliable office-to-field and field-to-office data communications, field-to-field coordination, crew calling and SCADA support.

With specific price plans offering flexible monthly contracts that allow you to freely switch between pricing packages in line with your requirements, and Thuraya's Shareplan option which lets organisations share their airtime allocation across various Thuraya voice and data services; staying in touch has never been more affordable.

Connect in seconds... Requiring no additional software to set-up, Thuraya IP gives you broadband access instantly. Simply power up the device, pair your laptop by WiFi or by Ethernet cable, direct it at the satellite and enjoy high-speed connectivity from anywhere within our footprint of 140 countries in Europe, Africa, Middle East, Asia and Australia.

Industry designed... Thuraya IP enables transmission of vital daily operational progress reports, geo-magnetic and seismic surveys, information on rock formations from the drilling recorders, pump status, valve control, flow measurements, pressure, temperature, leak detection, and corrosion monitoring between survey crew and head office, in addition to crew calling over VoIP solutions.

Perfectly portable... A5 sized and weighing a mere 1.3kgs. Thuraya IP can easily be packed into hand luggage and transported to remote areas where terrestrial networks are unavailable, inadequate or non-existent. Because of its portability and performance, Thuraya IP can be rapidly deployed at short notice as part of an oil & gas exploration expedition, both inland and offshore whether you're stationary or on the move. With a range of antennas designed for indoor, outdoor and Comms-On-The-Move, Thuraya IP keeps you connected, even when travelling at speeds of about 100 mph. Thuraya IP is the reliable, flexible and dependable satellite broadband solution of choice for upstream oil & gas companies, and the downstream industries that serve them.

THURAYA IP'S BENEFITS FOR THE ENERGY SECTOR

- Tailored monthly pricing contracts that allow you to switch pricing packages in line with requirements from 24/7 connectivity with our fixed fee unlimited usage data packages to zero monthly fee and on-demand consumption
- Thuraya Shareplan offers scalable packages starting at 20 SIM cards and offers the flexibility to share airtime allocation between Thuraya voice and data devices
- World's smallest modem to support a guaranteed rate of 384 kbps Streaming IP and 444 kbps Standard IP
- Simultaneous voice and data applications
- Ultra-portable: A5 size – 1.3 kgs with battery
- Mobility during out of field surveys and rig moves
- Quick to deploy and use terminal – instant network acquisition, easy to install and use
- Supports SCADA applications
- Choice between different outdoor antennas to suit various usage and operational requirements
- The only terminal with asymmetric flexible uplink/downlink bandwidth speeds; cost-effective – pay only for the bandwidth you use
- Reliable network providing quality communications – the Thuraya network dynamically allocates bandwidth ensuring uninterrupted communication and congestion-free communications

THURAYA IP, THE MOST POWERFUL
SATELLITE BROADBAND TERMINAL

CONVENIENT SIZE

Designed to be small yet powerful, Thuraya IP is highly portable. A5 in size, it is smaller than a notebook, and weighs only 1.3 kgs. Thuraya IP can easily be stored and transported in a rucksack or bag, and being a plug-and-play system requiring no additional software or complicated network acquisition, it's ready for connection anywhere under the coverage of the Thuraya network, in seconds.

INDUSTRY LEADING DATA RATES

Engineered to provide broadband data communications on the move and when needed, Thuraya IP transforms the way you work. Thuraya IP is the world's first mobile satellite service to support a guaranteed rate of 384 kbps Streaming IP, with connectivity of up to 444 kbps available on Standard IP.

Performance is further enhanced with Performance Enhancing Proxy (PEP) for Thuraya IP which can reduce the download time for a website by 80%. PEP for Thuraya IP accelerates HTTP, FTP POP3 and VPNs, delivering improved consumer experience and greater cost savings.

COST-EFFECTIVE DATA SOLUTION

Thuraya IP carries a range of pricing packages specifically tailored to the energy industry. From unlimited data plans, to zero monthly fee packages, to on-demand consumption, you will find our pricing packages deliver the value required for your unique, mission-critical connectivity needs. Whether you're a casual user who uses the service infrequently, a heavy user who requires flexibility, a frequent user who is looking for a predictable monthly airtime cost, or an organisation that wants to share airtime allocation across multiple Thuraya users, we have an appropriate data plan for you.

Asymmetric Streaming allows you to set upload and download speeds at different rates dependent upon usage requirements, therefore you only pay for what you consume. Thuraya IP is the only satellite terminal in the world to offer this feature, which delivers significant cost savings, especially when using the terminal for video conferencing.

The strength and capacity of our network also allows us to offer packages for those consumers who transfer large volumes of data, and who want to know they can connect to the network even when many others are connected from the same area.

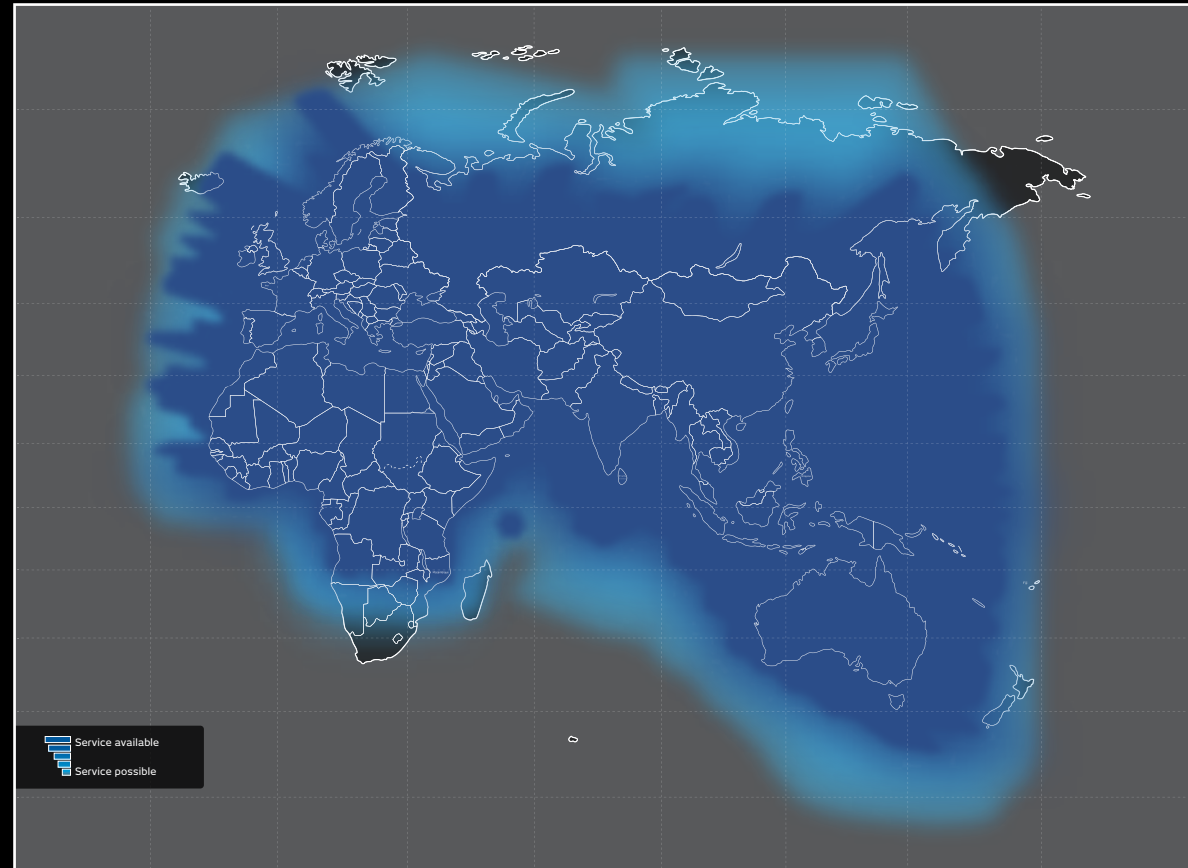## THURAYA IP AS A REMOTE EXPLORATION CENTER

Thuraya IP is a platform where the consumer can employ a multitude of applications to perform complex data transactions from remote locations. Its WLAN connectivity and compatibility with other communication platforms can turn Thuraya IP into a powerful data and voice communications hub, allowing multiple users to share the device. Our optional NettedComms solutions allows seamless interconnectivity with users utilizing different communications technologies, including GSM, radio, Thuraya XT satellite phones, and other networks merging multiple communication platforms onto a single closed user group, allowing for troubleshooting and therefore minimising downtime and lost revenue.

THURAYA'S POWERFUL NETWORK
BRINGS THE WORLD'S OIL FIELDS CLOSER TO YOU

Thuraya's network benefits from dynamic resource allocation and is congestion-free. The network also features low latency which significantly minimises call drop-out. To support more users in any particular hotspot, Thuraya's network automatically re-allocates network resource to any single spot beam, allowing more Thuraya IP users to enjoy uninterrupted data services. During situations where there is high demand for network resource in a single location, Thuraya is able to deliver sufficient and reliable connections to those users who need interruption-free service. Thuraya IP lets you stay in touch with developing events, analyse data and increase security in the oilfield, even from remote areas ensuring you're completely in command wherever you may be.

THURAYA COVERAGE AREA

Service available
Service possible

This map represents Thuraya expectations of coverage. For further information,
please contact Thuraya Customer Care at customer.care@thuraya.com or visit www.thuraya.com

THURAYA
stay close

FEATURES

· 384 kbps Streaming IP and 444 kbps Standard IP

· Flexible pricing packages

· Network flexibly allocated bandwidth – reduces contention, ensures
  uninterrupted and congestion-free communications

· Flexible uplink/downlink bandwidth speeds; cost-effective –
  pay only for the bandwidth you use

· Ultra-portable A5 size – 1.3 kgs with battery – mounts on any vehicle

· Supports military grade encryption and VAS solutions

· Developed and tested to exceed operational requirements

· Simultaneous voice and data applications

*256 kbps without an external antenna, 384 kbps with a small external antenna that measures A4 and weighs 1.55kgs, or a flat
antenna that weighs less than 1kg.

APPLICATIONS & SPECIFICATIONS

| PHYSICAL CHARACTERISTICS: | Weight: 1.3 kg terminal and battery |
| | Size: 158mm x 225mm x 50mm |

IP DATA SERVICES:	
STANDARD IP	Up to 444 kbps over a shared channel
STREAMING IP	Without external antenna: 16, 32, 64, 128, 256* kbps
	With external antenna: 16, 32, 64, 128, 256, 384 kbps

TOLERANCES:	
OPERATING TEMPERATURE	Running from external supply: -25° to +55° C
	Running from battery: 0° to +50° C
STORAGE TEMPERATURE	Including battery: -20° to +60° C
	Excluding battery: -40° to +80° C
OPERATING HUMIDITY	95% RH at 40°
MECHANICAL VIBRATION	200-2000 Hz, 0.3 m2/s3
UNPACKED DROP	0.5m on concrete surface
WATER & DUST PROOFING	IP55 standard

POWER:	
EXTERNAL POWER	Main power supply adapter: 100-240 V AC at 50-60 Hz
INPUT VOLTAGE	12 V DC

BATTERY:	
BATTERY LIFE	Up to 36 hours standby time
	1 hour of continuous transmission at the highest rate
BATTERY TYPE	Lithium-Ion

| CHARGING TEMPERATURE | 0° to +40° C |

INTERFACES:	
CONNECTORS	Ethernet (RJ-45), USB
USER INTERFACE	Web-based graphical user interface accessible via standard web browser
EXTERNAL ANTENNA	GPS, active and passive antenna

WLAN CONNECTIVITY	IEEE 802.11b standard with:
	- WEP encryption
	- SSID broadcasting control
	- MAC address filtering

For best performance, Thuraya recommends the use of an external antenna.

Power Supply | USB Interface | RJ45 Interface | Passive Antenna Connector | Active Antenna Connector | Compass | Protractor | WLAN Connectivity | Battery | Asymmetric

GPS | Congestion Free | Low Latency | A5 Size Terminal | Light Weight | Plug-and-Play | GPS Indicator | Display Bar | Navigation Buttons | Signal Strength Bar