



## Complete Satellite Connectivity for Oil, Gas and Energy IoT, M2M/SCADA Applications.

### Mobile

Small portable devices creates a WiFi hotspot even in the most remote locations, static or on-the-move.

### AFFORDABLE

Cents per minute for voice / data and even lower for IoT.

### CONVENIENT

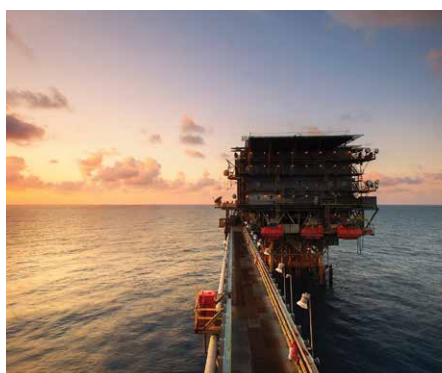
Easily integrates with any IoT devices and fleet management system. Turns your smartphone into a Satphone.

Adoption of IoT and IIoT (Industrial IoT) in the energy and fossil oil & gas industries increases yearly as their full potential for monitoring and control is recognized by organizations. hiSky's Smartellite™ terminals for satellite

communication meet the emerging need for connectivity; answering the demand of IIoT for use with remote energy assets and infrastructure, such as offshore oil & gas platforms, pipeline monitoring and oil rig wells in rural locations.

## Answering the challenges of the energy domains

- Remote personnel voice calls and text messages via a dedicated smartphone app (Android & iPhone)
- Real-time process monitoring for extraction and drilling
- Real-time acceleration and enhancement of seismic data acquisition analysis
- Less staff needed on site to monitor production equipment
- Real-time gathering of database information
- Centralized monitoring efforts for multiple remote unmanned sites
- Site security
- Ruggedized robust terminals for challenging environments and extreme conditions
- Increased production profitability



hiSky is a Satellite Virtual Network Operator (SVNO), offering quick easy connectivity, even in the most remote locations on land, at sea or in the air.

## Smartellite **Dynamic**

The Smartellite dynamic includes a built-in, electronically steered, phased array antenna, which locates the satellite automatically in a matter of milliseconds, and a built-in modem designed for low-to-medium data rates and fast acquisition of satellite signals.

The Smartellite Dynamic enables seamless transitioning between satellites in the GEO and LEO constellation, voice and data connectivity are constantly maintained, even on the move.

| Terminal band                    | Ku band       | Ka band            |
|----------------------------------|---------------|--------------------|
| Data Rates GEO (Typical)         | 4Kbps-100Kbps | 4Kbps-100Kbps      |
| Data Rates LEO (Typical)         | 0.5Mbps-4Mbps | 0.5Mbps-4Mbps      |
| Transmit Antenna Frequency Range | 13.75~14.5GHz | 27.5GHz to 30GHz   |
| Receive Antenna Frequency Range  | 10.7~12.75GHz | 17.7Ghz to 20.2Ghz |



## Smartellite **Fixed/Static**

A small form-factor box that connects the subscriber's smartphone / IoT sensor / Tablet with the satellite network using a standard WiFi connection. The Smartellite Static includes an innovative Modem and Patch Antennas for communication with the satellite.

| Terminal band                    | Ka band            |
|----------------------------------|--------------------|
| Data Rates GEO (Typical)         | 4Kbps-100Kbps      |
| Transmit Antenna Frequency Range | 27.5GHz to 30GHz   |
| Receive Antenna Frequency Range  | 17.7Ghz to 20.2Ghz |

## hiSky 360

### Network Management System

hiSky developed it's own unique network management system (NMS) with a network operation center and a 24/7 hour help desk. **hiSky 360** is active 24/7 and has an operations portal which allows interface through which authorized subscribers or re-sellers can monitor and administer the hiSky platform and its components. It provides the capability to flexibly filter elements as well as group them by devices deployed with a specific satellite provider, device type, firmware version, etc. The operations portal provides the link between platform resources and subscribers enabling impact analysis of ongoing operations and planned maintenance.

