



IPG TELECOM



IPG-
Telecom

About Our Company

Established in 2010 in the UAE, and 2015 in Egypt, IPG is a Group of Companies specialized mainly in Telecom Services (Satellite and terrestrial wireless infrastructure), Information and Communication Technology (ICT) in addition to added value surveillance system required by customer with complementary stability power solution to telecom sector.

IPG telecom is the provider-of-choice for customers seeking integrated, state-of-the-art technology, including a wide range of security, IT infrastructure and audio/video solutions. Their solutions and services are employed by customers across many industries, higher education, commercial and industrial, governments and municipalities, healthcare and transportation.

Our Maritime solutions guarantee a non-interrupted connectivity for all services required by vessels system to head quarter or to global networks.



About Our Company

To keep systems up and running we provide power equipment's that keep data center components A-Z range which are involved in modern network are required sustainability and availability 24/7, with solar energy solutions that guarantee business continuity to add more power source when regular and generator electrical power sources are down. This process enables us to submit solutions that are best suited to the realities of our valued customers.

IPG aims to play the premier company in the region for Satellite connectivity services, IP Technology Integration and Support services, to provide World Class, Innovative and Value-Added Telecommunication Solution & Services.

Our endeavor is to ensure reliability, flexibility, and responsiveness as we believe that growth, longevity and financial success will follow naturally.



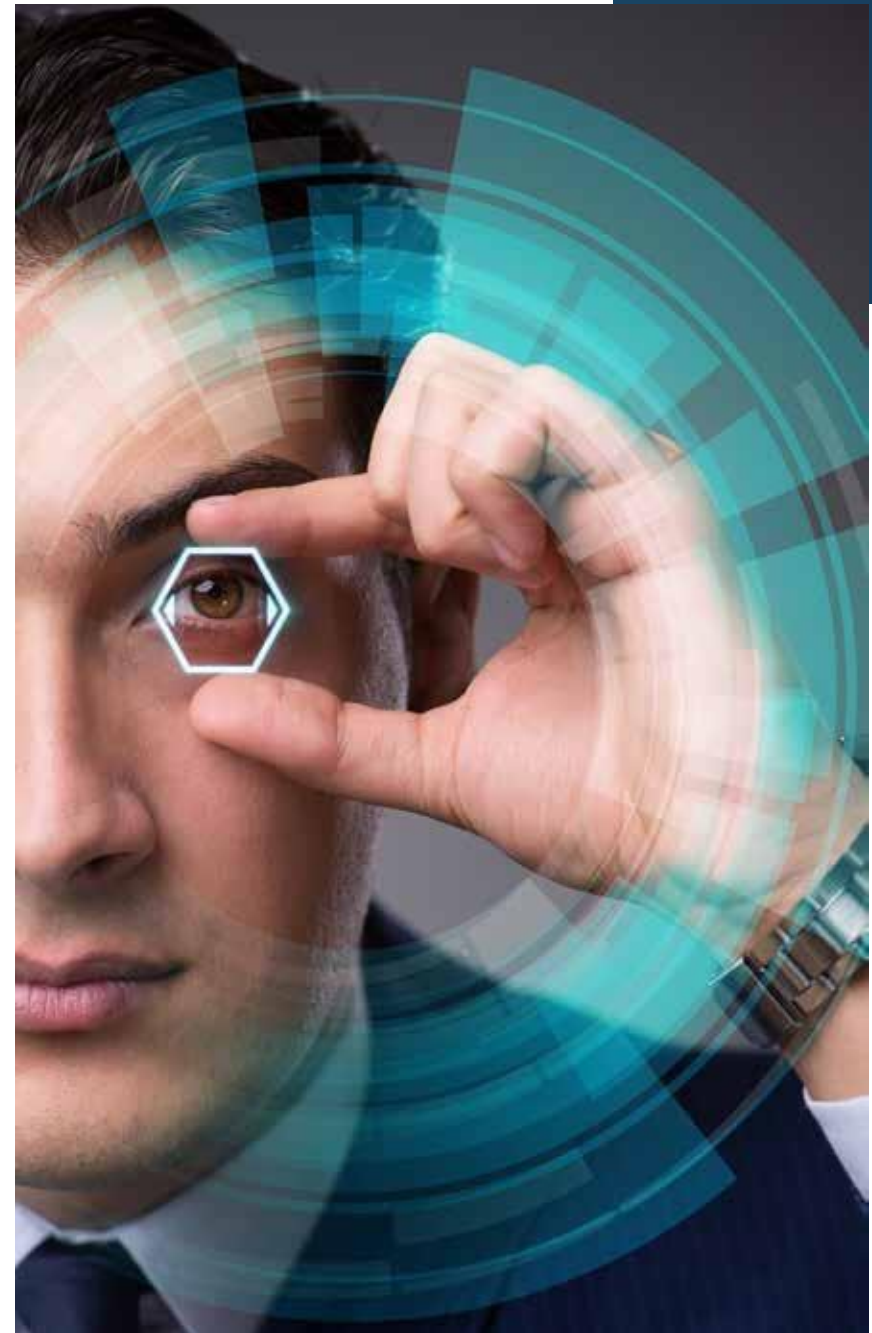
Vision & Mission

Our vision

To provide world class, Innovative and value-Added Tele-communication Solutions & Services .We strive to be known for our reliability, flexibility ,and responsiveness as we believe that growth ,longevity and financial success will follow naturally.

Our mission

To be the partner of choice for the world's leading service providers, government Organizations and Enterprises by helping them create ,build and maintain the most innovative, reliable and cost-effective communications networks and meet their customers growing need through the rapid deployment of new communication services. IPG aims to be the premier company in the region for satellite connectivity services, IP Technology integration and support services.



Our Solution



TELCO & ISP's

At IPG, we partner with PPTs and ISPs around the world to provide ongoing communications service when fiber outages occur. Along with around-the clock monitoring and support, ensuring your customers always stay



Government & Enterprise

IPG Telecom service company (IPG) new generation of services brings together all these elements needed to play a vital role of universal coverage in the high-speed access sector.



OIL & GAS

For your corporate communications needs, you get the end-to-end solution your business requires. You also benefit from flexible bandwidth pricing plans to ensure your organization pays only for the service you use.



Defense

We provide range of unique technologies, and even design and manufacture dedicated hardware to assist existing military suppliers in creating secure networks.



NGO's

Our satellite solutions provide emergency services, aid agencies and NGOs with ultra-reliable and versatile voice and broadband data communications anywhere.



VSAT Solution

IPG is a licensed VSAT provider from the National Telecom Regulatory Authority (NTRA)

IPG's VSAT services can connect all the sites on a single satellite and can be customized to suit any unique requirement. We offer both low priced Shared Bandwidth and Dedicated Bandwidth with high throughput on both direct and NewtecDialog platform or other technology, using different satellite frequency (Ku, C-band) thereby offering the solutions needed to suit customer requirements for either Intranet networking infrastructure or Internet connectivity.

Services are offered through various satellite such as but not limited to (**Arabsat, Eutelsat, IntelSAT and SES**) with different coverage footprint each cover dedicated area based on high EIRP in the region of customer to ensure standard bandwidth efficiency and high link availability.

IPG's custom **SCPC, MX-DMA, TDMA** and **DVB-S2** Networks can support high bandwidths ideal for all types of communication services including Voice, Data and Video Traffic.



Delivering Network

We deliver high availability with network dependable technology that connects straight into customer's networks. through either private terrestrial connections or via the public Internet.

Offering **SCPC/SCPC** and **SCPC/DVB-S2** links of Dedicated Bandwidth to support both Corporate Communications and Remote Site Access, IPG's VSAT services provide the perfect solutions for businesses with mission critical applications include Corporate Financial Systems, Supply Chain Systems, Maintenance systems, Software Applications, VoIP, Video Conferencing through the use of third-party integration and dedicated network acceleration for latency critical applications.



Ground Control and Monitoring

Ground Control team can help your customers to set up Private Networks that link up Strategic Business Units in remote regions to the central hub, thus enabling the network to transmit and receive voice and data from anywhere in the world in a totally secure and closed circuit.

By leveraging on IPG's Teleport Expertise and Infrastructure Resources, Operators can monitor and manage their VSAT network capacities and networks while saving on both capital expenditure and staffing requirements. IPG provided VNO is available on both C-Band and Ku-band.



Commercial Maritime Communication

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- Short- and Long-Term Strategy
- Business Requirements
- Operational Development
- Business Case Evaluation
- Technical Validation
- Tailored Solution Design
- Systems Installation
- Analytics and Optimization
- Local Field Support
- Service Management



Our Partnership with Intellian

IPG with Intellian aims to deliver advanced technology that connects and inspires. Intellian's feature-rich, future-proof technologies, groundbreaking R&D and passion to embrace and overcome challenges is accelerating fast, reliable communications for everyone.



No.1

In Maritime VSAT market, 58% M/S in premium VSAT H/W



Delivering **\$200M+** In Annual Revenue



Connected with **10+** Global Offices **500+** Employees



Investing **12+ %** in R&D activities



Serving **600+** Customers and Partners Globally



12 + World-First Tech. & Inventions

Intellian

Maritime Portfolio

Intellian

NX &
VSAT



COMPACT
MARITIME
VSAT



INMARSAT



MIL/GOV



2.4 M
MARITIME
VSAT



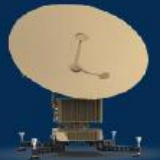
L-BAND



SATELLITE
TV



FLYAWAY



v85NX
v100NX
v130NX
v150NX
V60Ka2
v85NX Ka
v100NX Ka
v150NX Ka

v45C
v60E

GX60NX2
GX60NX2 HP
GX100NX2
GX100NX2 HP

v100PM
GX100PM
130NX PM Dual-I
X100D/PM
X130D/PM

v240C
v240K
v240M 2
v240MT 2

c700 (Certus)
Fleet One
FB250
FB500*
c200*

i-Series
s80HD
t85N
t100N
s100N
t130N
s130N
t150N
t240CK

LP100

New t-Series

- ◆ t85N
- ◆ t100N
- ◆ t130N
- ◆ t150N*
- ◆ s100N**
- ◆ s130N**



*t150N Project based only

**Modified feed assembly to function with DirecTV US

Unrivalled Warranty & Global Support

Industry leading warranty

- 3 years Parts, 2 Years Labour.



Global Warranty 3 years parts + 2 years labour

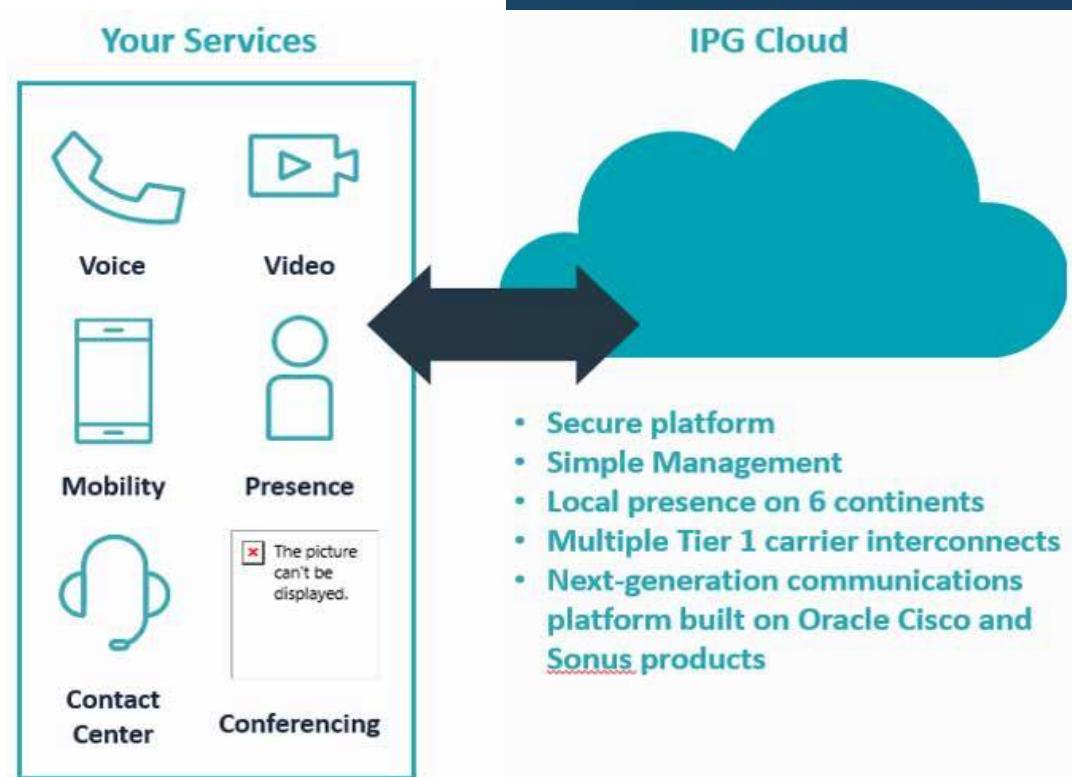


IPG Hosted Voice: Seamless Communications

A fully hosted communications solution for efficient and seamless communication across physical locations

Inbound and outbound local, Long Distance and International calling over high quality world-class IP network at low rates Provides primary connection points to international and local Telco providers

Remove stress complexity and capital costs involved with deploying and operating an enterprise voice solution



Cybersecurity as a Service: Network Protection

Combines a unified threat management system and end-point protection, ensuring our customers' remote sites are operating securely, allowing personnel to focus on supporting the company's critical operations.

IPG's Security Operations Center (SOC) proactively monitors the protection level of customer sites, provides alerts and reports, and protects against malicious threats.

Can be operated from remote sites or vessels and runs on IPG's integrated communication platforms SIGMA Gateway and SIGMA Gateway Xtreme.



IPG Field Vision: People and Asset Tracking Platform

A scalable and cost-effective solution to access real-time data and keep people safe and assets secure

Safeguard lone workers through easy check-in with automated reminders, SOS alerting, man-down detection, crossed geo-fence notifications and a complete activity log.

Configure global monitoring and emergency dispatch alerts sent to international emergency response coordination centers or their own internal systems.



IPG TV on Demand: IPTV/VOD/Entertainment

Allows passengers and crew to access a wide range of entertainment and information onboard any commercial vessel, cruise ship, ferry or offshore rig

Comprised of a small set-top box that offers instant access to a large library of movies, TV shows, sports, news, games, music and informational content

Can be updated using a cloud-based login at any time.

Allows administrators to upload exclusive video content used for passenger and crew information, training, and safety.



Entertainment



Information



Content



Internet access
and advanced
integrations

IPG Crew Wi-Fi: Internet Access for Crew

Provides reliable, fast internet access to crew members and relieves companies from the responsibility of administering crew internet service.

Features a self-service portal and a direct billing gateway accessible from personal devices, so crew members can purchase vouchers, add credits or change plans as they wish using credit cards or PayPal.

Crew consumption limitations can be set at the user level for any free onboard services provided by customers, and offers higher throughput, unrestricted, better quality service against paid data allowances for crew members.



IPG Global Partners




IPG Clients and Subsidiaries

HALLIBURTON

Baker Hughes


SinoTharwa Drilling Co


ECDC
EGYPTIAN CHINESE DRILLING COMPANY






بنك مصر
BANQUE MISR


البنك الأهلي المصري
NATIONAL BANK OF EGYPT



IPG Clients and Subsidiaries







References

Country	Division	Description
Kuwait 	Oil & Gas	KDC (Kuwait Drilling Company): Providing Cost Effectiveness Solution for KDC to support all Rig Data connectivity using iDirect solution.
	Bank	NBK: Providing NBK with VOIP & Data connectivity using iDirect solution to connect 17 branches for NBK in Baghdad. The private hub is installed and commissioned with iDirect, Connection to NBK's private network.
	Broadcast Equipment's	MOI: Supply and installation of Broadcast and RF Equipment in Alsalimia – Kuwait Earth station serving the In-country media customers.
Libya 	Enterprise	Libya Airport Authority/ Travysis: Developing a Yearly BOT contracts to deliver an airport Backup VSAT connectivity solutions to their international Customers around the world (Libya, Egypt, Iraq, Chad)
	Telecommunication	Almadar GSM Operator: A 40 Mbps VSAT Backup Trunking solution to overcome the instability terrestrial connectivity in Libya,

References Cont.

Country	Division	Description
Algeria 	Telecommunication	Algeria Telecom: Providing Algeria telecom with a wireless solution connectivity covering 25 K.M Radius, in addition to the wireless solution we had set up an ISP to serve this solution using VSAT Backbone.
Iraq 		Telecommunication
	Telecommunication	Korek Telecom: Korek GSM Operator Iraq Cellular Backhaul Solution delivered in Erbil, the scope is to connect 4E1 back to the MSC.
	Oil & Gas	Alsanam : A joint venture between Alsanam and South Oil Company SOC, we delivered a VNO in Germany, serving 60 remote terminals, the total Bandwidth = 20 Mbps.
	Telecommunication	Kurd Sky: Kurd sky ISP ,VSAT Connectivity services for Kurd sky ISP, total 50 Mbps

Reference Cont.

Country	Division	Description
UAE 	Maritime	Diamond Company: Maritime services to 8 vessels in Operation in the Arabia Gulf waters, total of 17 Mbps
Afghanistan 	Government	United State Army: 12-months contract for three VSAT Link delivered to the US Camp in Afghanistan, project value over
South Sudan 	Oil & Gas	DAR Petroleum Company: DPC. Internet Connectivity over VSAT for the Rigs in different Oil fields in Sudan, total of 48 Mbps.
Saudi Arabia 	Maritime	Private Yacht: Provide VSAT Solution for reliable Voice, Internet and Video, connect Yacht with all places

Our installed Newtec HUB



The Dialog hub series can be configured to match the size and satellite network configuration for any customer application; a vast choice is available in terms of satellite bands, transmission speed, power, modulation and amount of forward and return links. The hub scales easily and cost effectively from small (few terminals) to large networks (hundreds of thousands of terminals) and from single coverage area to multiple coverage areas on any frequency band. The Dialog hubs provide flexibility to easily add high capacity multicarrier demodulators which support SCPC, MF-TDMA and our patented Mx-DMA return link technologies.

It can serve one or multiple satellites, including high-throughput spot beam configurations. The hubs can be deployed remotely in different teleports while being managed centrally via a single Dialog Network Management System (NMS).

Three types of hubs are available. The 1IF Hub for small scale, dedicated networks, the 4IF Hub for small gateway deployments and the XIF Hub for large gateway deployments.

Our installed Newtec HUB



- Multiservice hub platform
- Small networks
- Supports DVB-S2/DVB-S2X ACM with Modulation from QPSK to 256APSK
- Support for SCPC, MF-TDMA and Mx-DMA return links
- Modem Hardware: M6100 Modulator, MCD7000 Multicarrier Demodulator, MCD7500 Multicarrier Demodulator
- One satellite network, up to 250 terminals
- Up to 300 Mbps of satellite capacity
- Includes all traffic processing functionality
- Optional redundancy can provide better than 99.99% availability
- Including all traffic processing, like Quality of Service (QoS) and congestion management, acceleration, compression and encryption

Our Partnership with DragonWave

IPG Telecom has established a partnership with DragonWave as a leading provider of high-capacity packet microwave solutions that drive next-generation IP networks.

DragonWave's carrier grade, point-to-point packet microwave systems transmit broadband voice, video, and data. These microwave systems enable service providers, government agencies, enterprises, and other organizations to meet their increasing bandwidth requirements rapidly in a cost-effective time.

Together, we can:

- Focus on wireless telecommunications
- Point to Point microwave radio specialist
- Expanding into adjacent wireless access and transport fields to become more of a solutions provider
- Exploring entirely new – lateral – domains as well



DragonWave

Capabilities with DragonWave

TRANSMIT POWER



Leading output power and system gain:
around 99.99% availability .

CAPACITY



Driving more capacity and spectral
efficiency per wireless link (from 1 to 4G)

SIMPLICITY



Simplifying installation and management

VALUE & TCO



Capital and operational cost impacts



DragonWave

HIGH THROUGHPUT BROADBAND WIRELESS SOLUTIONS

1-Performance

High-capacity speeds of 1 Gbps and coverage ranges of up to 100 km, enable InfiNet to create industry-leading wireless infrastructures for fully-fledged triple-play support, in both urban and rural networks. InfiNet offers the highest Quality of Service (QoS) and performance available in the marketplace today.

2-Flexibility

Topology-agnostic, multiple-frequency and universal wireless platforms can be tailored to individual customer requirements to give them exactly the solution they need, well within their budgets.



3-Integration

Wireless solutions are easily integrated into any existing network infrastructure (including MPLS), as we have the industry's richest set of networking features and protocols.

4-Reliability

Various solutions have withstood the most challenging environmental conditions across all five continents, with many still in operation even after 15 years of continuous use. InfiNet can proudly claim that it makes the most robust solutions in the high capacity wireless marketplace.

5-Optimizations of capital costs

InfiNet's innovative solutions enable the deployment of high-performance infrastructures with the minimum number of network elements, therefore reducing total cost of ownership. InfiNet can proudly claim that it makes the most robust solutions in the high capacity wireless marketplace.



Key Features

- Real throughputs: up to **1 Gbps**
- Single hop distance: up to **100 km**
 - **High-gain** integrated antennas
- Unlimited number of hops
- Full **QoS** support
- **LOS/nLOS/NLOS** connectivity
- Flexible **frequency planning**



Key Features

- BS sector coverage: up to **40 km**
- Sector Capacity: up to **240 Mbps**
- Subscriber terminal capacity: in excess of **180 Mbps**
- **Interference mitigation** tools
- **TDD synchronization and frequency reuse**
- **QoS** support
- Sophisticated **L2/L3/L4 networking** functionality



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