

Satellite Solutions

PCCW Global provides easy-to-use, flexible and reliable turnkey Satellite Solutions for private data networks connecting enterprises and governmental institutions around the world.

Key benefits to your business

- Ideal for corporate networks, our Satellite Solutions provide reliable two-way transmission, even in challenging geographies
- Worldwide coverage with interconnections to PCCW Global's high speed terrestrial backbone network
- Scalable-growth path, as high bandwidth requirements can be accommodated easily

VSAT Services

A Very Small Aperture Terminal (VSAT) is a two-way satellite ground station that accesses satellites in orbit and relays data from terminals and hubs on earth. VSATs can transmit both narrowband and broadband data and are used for various types of communications.

The strength of VSAT is in its ease of deployability and its secure and high speed connection regardless of latency. VSAT can also serve as backup for local infrastructure in case of potential disasters. It can also provide connectivity to thousands of locations at a time at cost-effective pricing.

Managed End-to-End VSAT Service

This satellite-based Single Channel Per Carrier (SCPC) technology uses a VSAT antenna and indoor unit to provide a reliable, two-way communications link anywhere under the satellite's footprint.

Specifications

- Satellite space segment
- Ground equipment includes VSAT antenna, RF ODU, satellite modem and cables
- One-time VSAT installation and commissioning
- Data rates support: 64Kbps up to 155Mbps
- Interface supported: V.35, G.703, RS-422, Ethernet, FE, HSSI and ASI

Features

- Quick implementation of reliable, dedicated capacity with clear channel circuits
- Both symmetric and asymmetric data-rates supported in 1Kbps increments
- Service Level Agreements (SLAs) offered for both hub and remote locations
- Terrestrial interconnection with PCCW Global's optical fiber infrastructure (IMBS + MPLS VPN)
- Web-based online access enabling customers to monitor link utilization

Broadband VSAT Network Service

An IP-enabled two-way broadband service based on meshed or star network topology provides dynamic and efficient use of bandwidth with burstable (offering delivery speeds equalling multiples of the Internet access rate) or shared throughput.

Specifications

- Typical information rates from 64Kbps to 11Mbps
- Quality shared bandwidth service, with QoS control
- C-band and Ku-band coverage
- Flexible profiles with symmetric and asymmetric data rates on forward and return links
- Real or private IP address allocation
- Interface: Ethernet or Fast Ethernet
- Antenna size: 0.75m to 2.4m

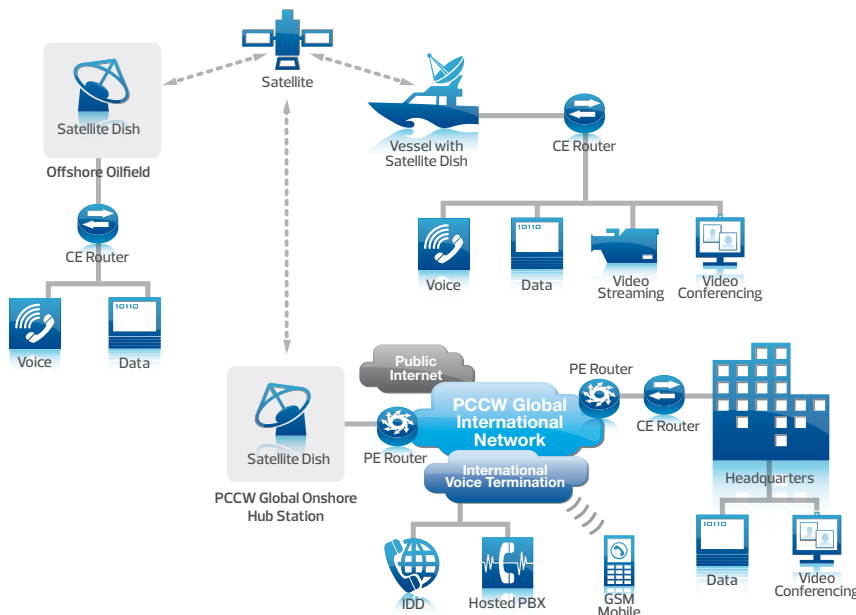
Features

- IP-based connectivity with enhanced features such as TCP spoofing, caching and pre-fetching
- Supports VLAN, IP-VAN and transparent mode
- Voice-over-IP (VoIP)
- VLAN connectivity

Maritime VSAT Service

PCCW Global's Maritime VSAT Service keeps the seafaring community in touch with the rest of the world via high speed, satellite-based access to data, voice and video applications.

Network diagram



Specifications

- Maritime antenna system for movable stations such as vessels, and VSAT for fixed stations such as offshore oilfields, plus RF ODU, satellite modem and cables
- SCPC data rates of 64Kbps to 155Mbps supported
- Broadband VSAT data rates of 64Kbps to 11Mbps supported
- Interfaces supported include V.35, G.703, RS-422, Ethernet, FE, HSSI and ASI

Features

- Quick implementation of reliable, dedicated capacity with clear channel circuits
- Both symmetric and asymmetric data rates supported in 1Kbps increments
- All Teleports interconnected to one network
- Single IP address to travel around the world
- Automatic Beam Switching (ABS) supported

Mobile Satellite Services

PCCW Global's Mobile Satellite Services (MSS) include BGAN and FleetBroadband and Satellite Phone Service, offering unbroken connectivity with business contacts, friends and family regardless of location, time zone difference or scenario.

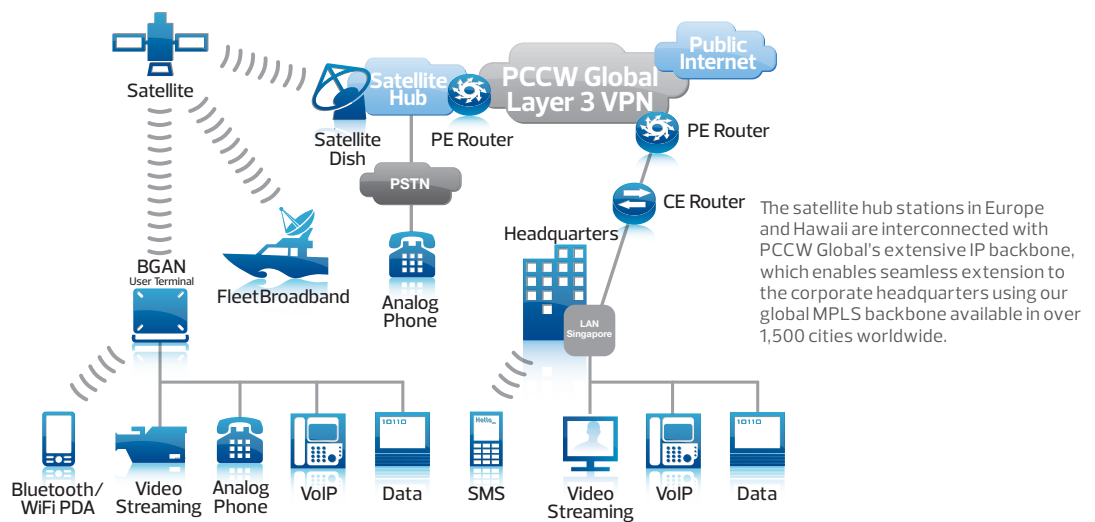
Key benefits to your business

- Truly global coverage and reliable broadband access even where telecoms are not advanced or non-existent
- Reliable connectivity from disaster areas, war zones, sports venues and remote construction sites
- Light and easy-to-deploy user terminals provide portability as well as highly reliable and secure communications

BGAN and FleetBroadband Services

Users can communicate freely via SMS, voice, ISDN, VPN to headquarters, high speed broadband Internet access and even video conferencing.

Network diagram



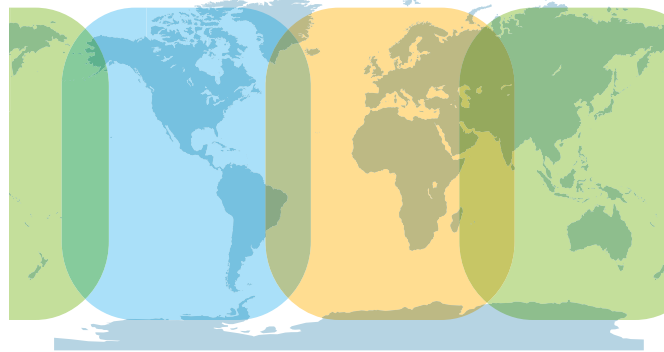
Specifications

Service	Specs
MPLS VPN	MPLS VPN via PCCW Global's Amsterdam and Hong Kong PoPs
Voice	4Kbps
SMS	To any GSM/3G network worldwide
ISDN	64Kbps
Email	To any IP-compatible client – e.g. MS Outlook, Lotus Notes and POP3
Broadband Internet	Tier 1, high speed
Video Streaming	IP streaming: 16, 32, 64, 128, 256 and 384Kbps
High-speed Data	Shared IP data up to 492Kbps

Features

- Interconnected with point-to-multipoint MPLS VPN
- Public or private, as well as dynamic or static IP addresses to suit individual needs
- Enables access to myriad services to simplify Broadband Global Area Network (BGAN) and FleetBroadband traffic management

Service coverage



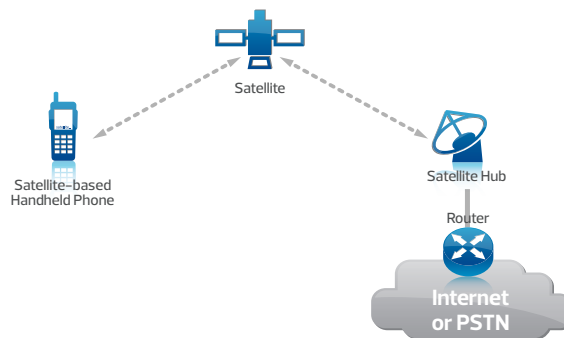
Coverage: the Americas, Africa, Europe, the Middle East and Asia

- I-4 Americas
- I-4 Europe & Africa
- I-4 Asia Pacific

Satellite Phone Service

Using a satellite phone, you can communicate from anywhere on the globe, even if on a ship, plane or in a polar region.

Network diagram



Specifications

Service	Specs
Voice	2.4Kbps
Data	2.4Kbps
SMS	To any GSM/3G network worldwide
Email	To any IP-compatible client – e.g. MS Outlook, Lotus Notes and POP3

Features

- A constellation of more than 66 satellites covers the entire planet (including poles and oceans)
- Variety of satellite phone models available

Video Transmission Service

PCCW Global's advanced Video Transmission Solutions provide global Standard Definition (SD) and High Definition (HD) content contribution and distribution via our satellite and terrestrial infrastructure.

Features

- Satellite and optical fiber infrastructure for reliable global coverage
- High definition video contribution and distribution

Employing approximately 19,300 staff worldwide, PCCW Limited is the holding company of HKT Group Holdings Limited (HKT) and serves customers as Hong Kong's premier telecommunications provider and a world-class player in Information & Communications Technologies. Operating as a wholly-owned subsidiary of HKT, PCCW Global provides integrated global communications solutions, runs a fully-meshed IP, fiber and satellite network and serves the voice, data and multimedia needs of enterprises worldwide, plus the operational requirements of service providers.

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