# All Satellite Coverages from **GlobalTT**

**GLOBALTT**

Thor 7
**KA-Band**

Thor 10 S1&S2
**KU-Band**

T11n
**KU-Band**

YAHSAT AY3
**KA-Band**

ARABSAT 5C
**C-BAND**

NSS-12
**KU-Band**

T12v
**KU-Band**
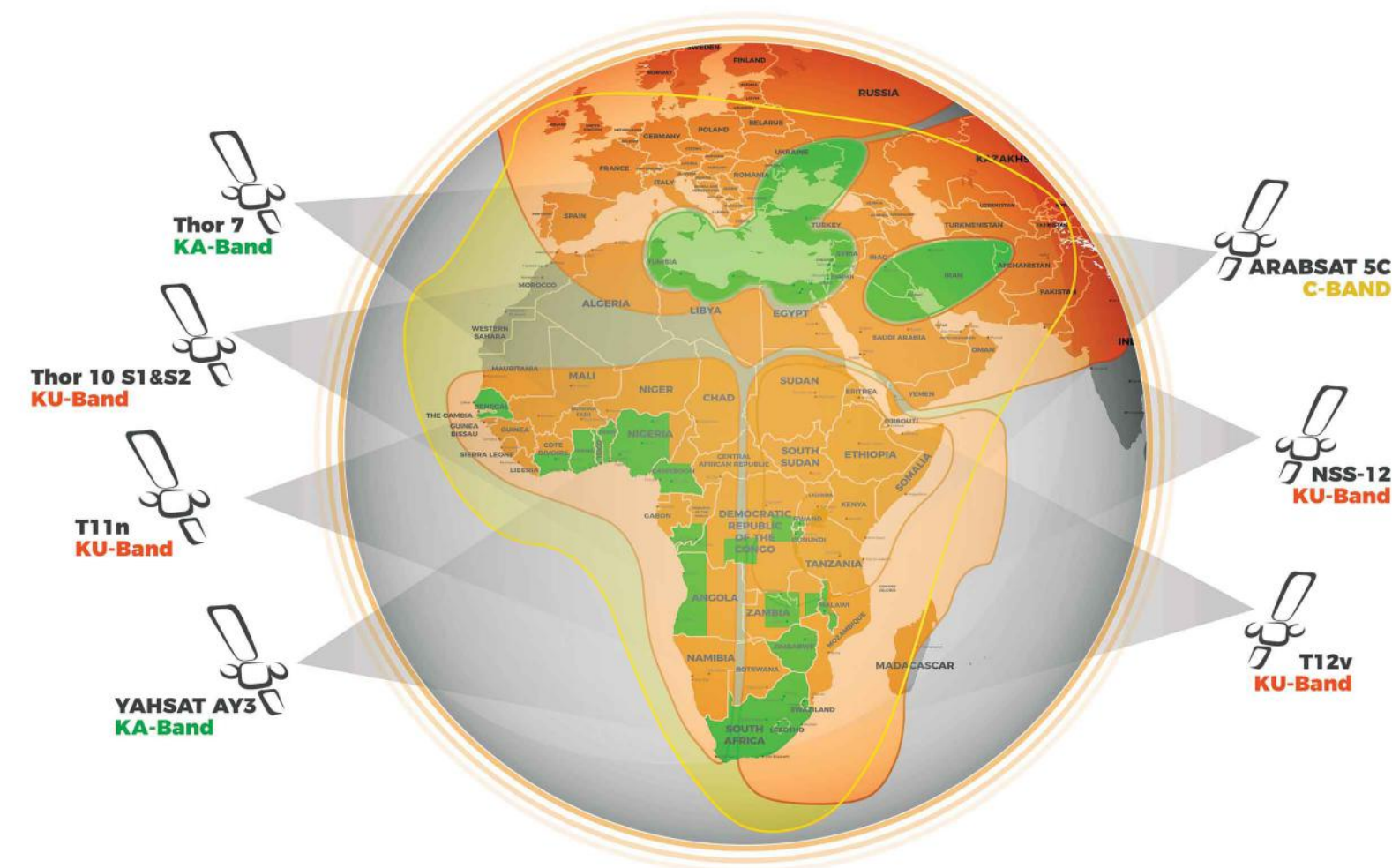
# Satellite Internet Provider

## FOR BUSINESS & FLEXIBLE SOLUTION

**W W W . G L O B A L T T . C O M**

# SATELLITE INTERNET SOLUTIONS
## ALL OVER THE WORLD

/

## INDEXING

Satellite
Connections
Made
Better

/

## who is
# GLOBALTT

**GLOBALTT,** Private satellite operator located South of Brussels Belgium (EU), providing all internet satellite solutions for Africa (mainly), Middle-East, Europe, Asia and Caribbean's.

**GLOBALTT** was founded in 1987 developing innovative, quality and secured solutions for NGOs, Embassies and Enterprises such as Mining, Oil & Gas, Energy, Agriculture, Construction, Aviation, Hotels, Camps, Banks.

100% of all **GLOBALTT's** operations and management are on a same physical site, ensuring a fast and quick action on any requests of our customers (support, logistic, R&D, special request, etc..)

### Flexible Solutions & Innovation
We continuously develop new solutions and services to meet all our client's satisfaction and stay the Best Satellite Internet Service Provider

### Incredible Coverage
We cover a real big part of the whole world inch by inch, but mainly focusing on Africa, Europe, and the Middle East.

### Customer Support
We provide a fully supportive team of professionals, in standby 24/7 online, offline, on-site partners or resellers. The most efficient is our Subscriber debugging support interactive WebSite

Our satellite teleport & operation located close to Brussels-Belgium including 8 main transmitting antennas for our operations, linked to **three(3) fibbers - 10 Gbps each - connected to the internet backbone** [upgraded in Jan 2020].

We transmit over satellite the internet and offer services in **C-Band, KU-Band and KA-Band.** All our teleport infrastructure is under full monitoring alarm 24/7 and self-auto-maintenance.

Our service is orientate : Fixe, Transportable , Portable , Vehicle and Maritime operations, Permanent or Temporary or event Occasional Usage.

# why
# GLOBALTT

**GLOBALTT** use and manage the bandwidth of 10 satellites to cover client's areas in Ku-band/C-band/Ka-Band.

- 30 years on the African market
- GlobalTT operate and offer all VSAT technologies (C, Ku, Ka)
- 3 X 10 Gbps.
- Very high service stability and reliability
- Delivery all over Africa- Door To Door (for specific countries)
- Technical partners and resellers all over Africa
- Fast delivery - all from stock – all tested and fully configured
- Monitoring, graph, alerts, info/Event Logs, Security FW, etc...
- Unique development and added value & unique specific services
- Service for Enterprises, NGOs, Embassies ISPs.

- VSAT Satellite Services
- Mobile Satellite Services
- Software & Hardware
- Wi-Fi LAN Services
- Surveillance
- Videoconference
- Security
- Drone & Satellite

## GLOBALTT TELEPORTS

- 8 main transmitting antennas for our operations (11m, 9m, 6.3m, 4.3m, 3.8m etc.).
- More than 25 antennas for tests and redundancy (2.4m, 1.8m).
- Less than 4 hours of reaction 24/7 on all the teleport critical equipment.
- All equipment are under monitoring and alarm 24/7 and self-auto-maintenance.
- Energy resources (4 hours autonomy UPS) and main energy feed coming from a high power redundant loop.
- Tracking systems on the antennas (Satellite monitoring),Antenna de-icing (down to – 25° C)
- Active maintenance of the whole site and high prevention on a daily basis.
- Connection to redundancy Backbone Fibbers: 10 Gbps fibber Loop and excellent peering agreement.

### T11N Ku-Band



### T12V Ku-Band



## T11N · KU-BAND
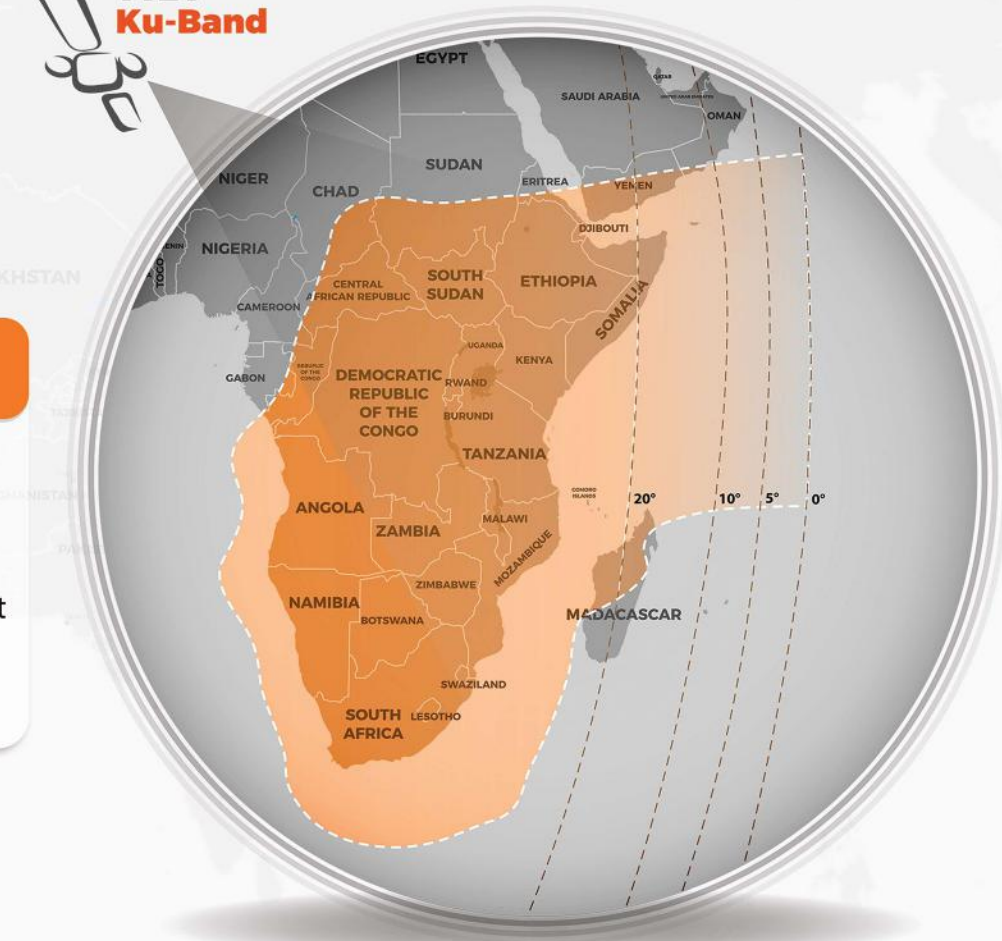### (Super High Capacity Available)

- 90 cm Dish
- 1.2 m the common Dish
- 1.8 m Dish
- 2.4 m for the high capacity low cost
- **Max 50 Mbps Rx & 25 Mbps Tx**
- **Shared 4:1 & Dedicated 1:1**

## T12V · KU-BAND
### (NEW SERVICE)

- 90 cm Dish
- 1.2 m the common Dish
- 1.8 m Dish
- 2.4 m for the high capacity low cost
- **Max 50 Mbps Rx & 25 Mbps Tx**
- **Shared 4:1 & Dedicated 1:1**

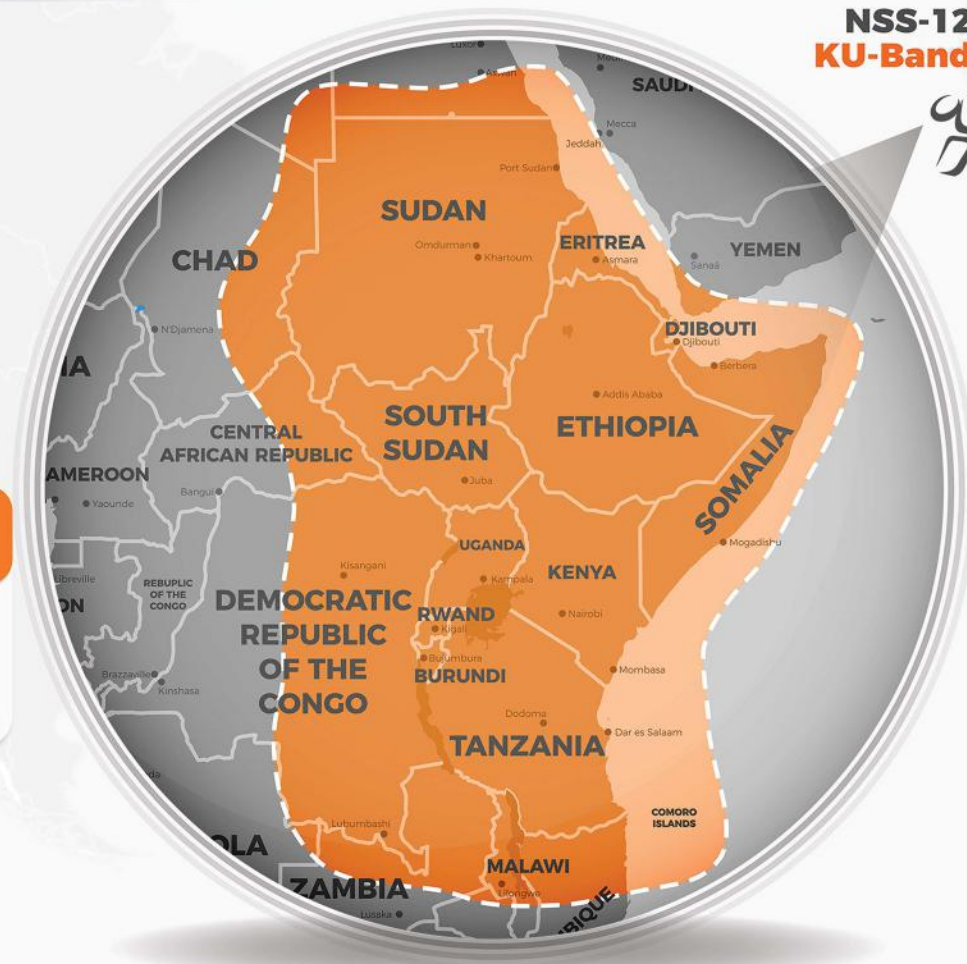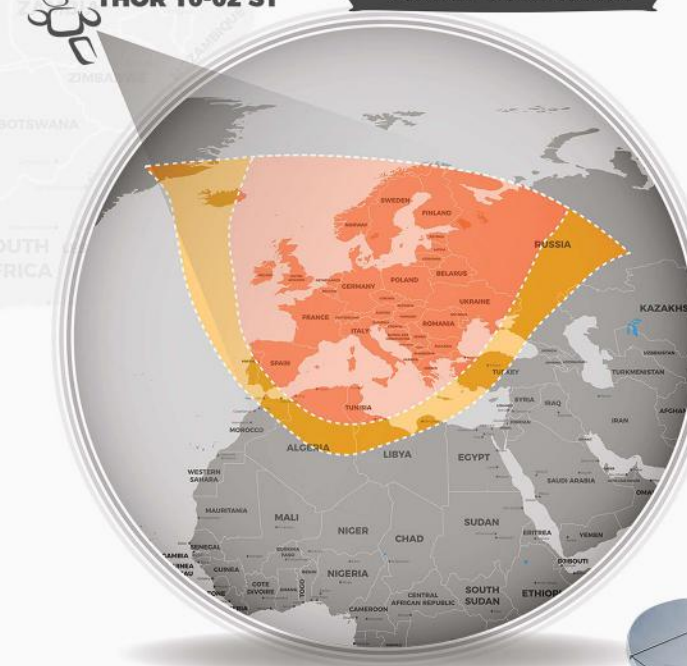### NSS-12 KU-Band



## THOR10 · KU-BAND
### (Fully Operational)

**Ku-Band THOR 10-02 S1** — *EUROPE / NORTH AFRICA*

**Ku-Band Thor 10-02-S2** — *MIDDLE-EAST*

## NSS12 · KU-BAND
### (FULLY OPERATIONAL)

- 90CM, 1.2 m Dish
- Max 30 Mbps Rx & 1 Mbps Tx
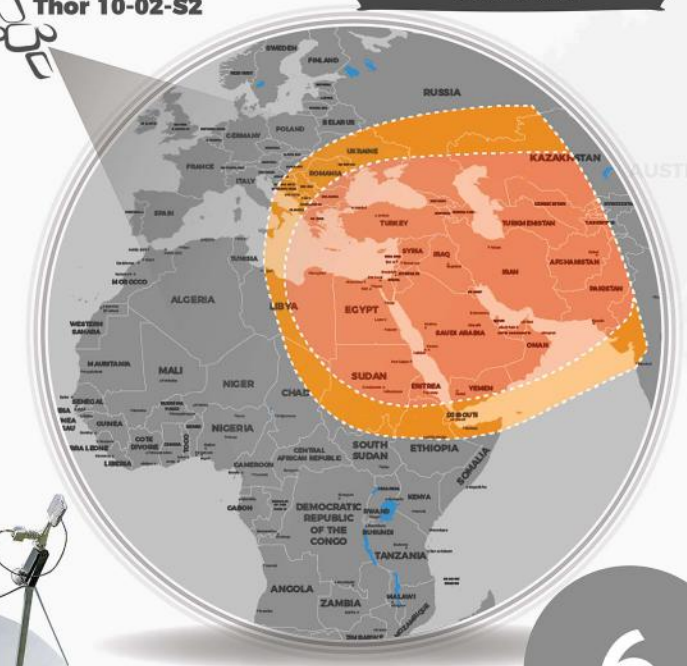- Shared 4:1 & Dedicated 1:1

5

6

## YAHSAT AY3 · KA-BAND

- Operation on Multi-Spot beam
- Capacity Available
- 74 cm Dish
- 98 cm Dish
- **Max 50 Mbps Rx & 6 Mbps Tx**
- **Shared 8:1,4:1,2:1**
- **Dedicated 1:1**

**KA-Band YAHSAT AY-3**

**KA-Band YAHSAT AY-3**

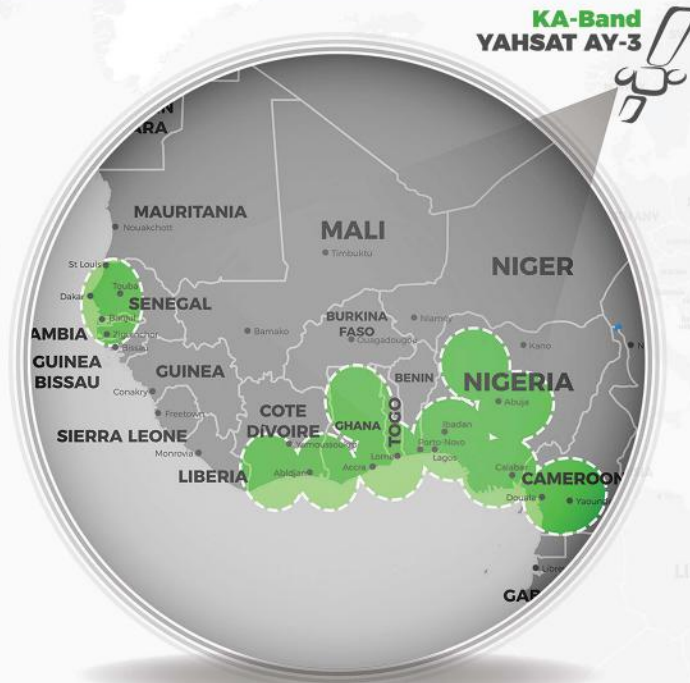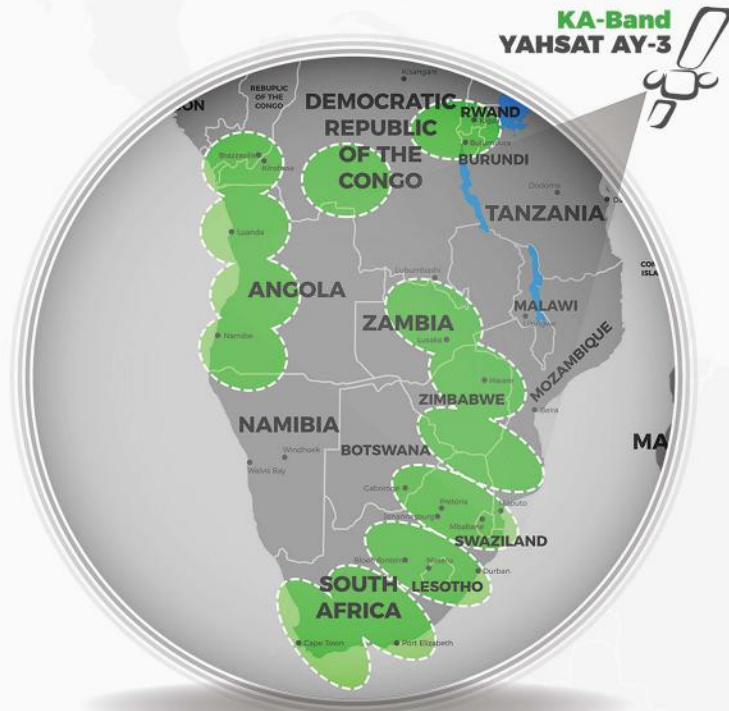## YAHSAT AY3 · KA-BAND

- Operation on Multi-Spot beam
- Capacity Available
- 74 cm Dish
- 98 cm Dish
- **Max 50 Mbps Rx & 6 Mbps Tx**
- **Shared 8:1,4:1,2:1**
- **Dedicated 1:1**

**KA-Band Thor 7**

## THOR7 · KA-BAND

- Operation on Multi-Spot beam
- Capacity Available
- 74 cm Dish
- 98 cm Dish
- **Max 50 Mbps Rx & 6 Mbps Tx**
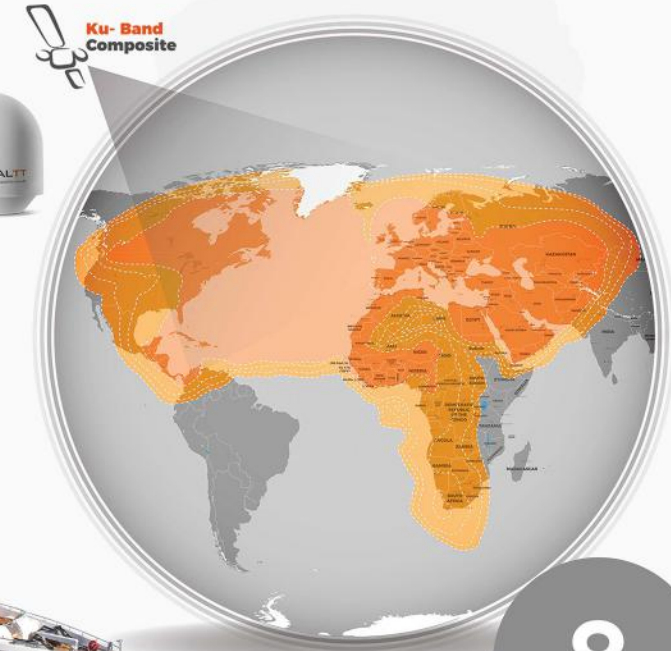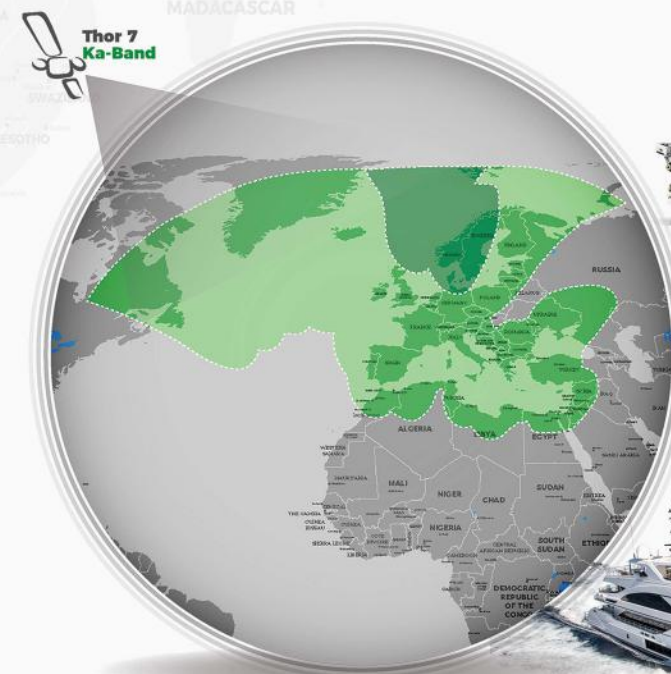- **Shared 8:1,4:1**
- **Dedicated 1:1**

**C-Band ARABSAT 5C**

## ARABSAT 5C · C-BAND
### (Service Release Soon)

- Circular Polarisation
- 1.8 m Dish
- 2.4 m Dish
- **Max 50 Mbps Rx & 25 Mbps Tx**
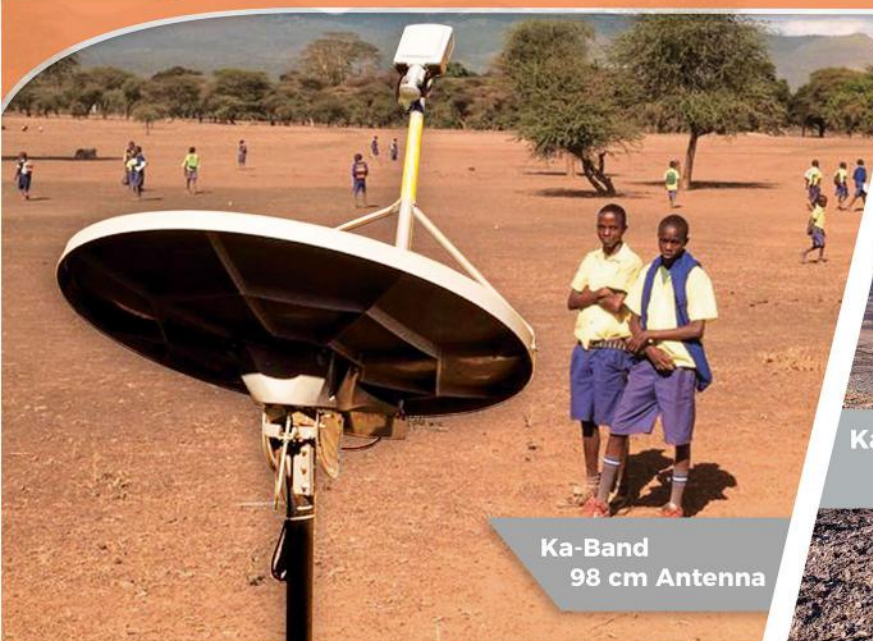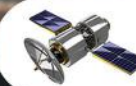- **Shared 4:1 & Dedicated 1:1**

## GLOBALTT MARITIME SATELLITE COVERAGE

**Thor 7 Ka-Band**

**Ku- Band Composite**

Ka-Band 98 cm Antenna


Ka-Band 74 cm Antenna



**Ka-Band**

## FIXED VSAT IFAST
### KA-Band (SLA 99%)
(Technology)

High-performance satellite for Business users (SOHO & SME). Uninterrupted, high-speed & low-cost Internet in the coverage area from **GlobalTT YAHSAT satellite. Up to 50 Mbps.**

## FIXED VSAT IFAST
### KU-Band (SLA 99.7% )
(Technology)

Unlimited shared access, is a subscription where you have the volume unlimited and the speed has to be chosen. Free online monitoring. Your connection is **2X faster** in of peak time. High quality Satellite **Dish (90 cm, 1.2 m and 2.4 m).** High speed **iFast modems.** Speed **up to 50 Mbps.**

**C -Band**

## FIXED VSAT IFAST
### C-Band (SLA 99.9%)
(Technology)

High speed Internet connection from GlobalTT satellites. Unlimited shared access. Regulated by the Fair Usage Policy. Free online monitoring. **Double speed during off-Peak.** High quality Satellite **Dish (1.8 m, 2.4 m and 3.8 m).** High speed iFast modems. Speed **up to 50 Mbps / 25 Mbps.**

## FLYAWAY VSAT
### Portable VSAT

Flyaway VSAT antenna designed to move easily and be operational easily and quickly over satellite. Internet **Up to 30 Mbps.**



**Ku-Band**



**9**



**10**

## iFAST- IP (≤25 Users)

Up to **10.5 Mbps** on the receive and **1 Mbps** on the transmit. Offers 512 TCP Connections. **DVB-S2 ACM satellite access. 2 VLAN**, on the satellite internet modem. Star satellite internet connectivity

### (≤60 Users)
## iFAST-WebEnhanced

Up to **50 Mbps** receive and **1 Mbps** transmit. 2048 TCP Connections. DVB-S2 ACM. **128 GB On-board Proxy** with Dynamic caching. High level packet and data process / acquisition -**8 VLAN**



## HT-2000(Ka-Band)

The HT2000 **50 Mbps /6 Mbps**, next-generation satellite terminal featuring support for wideband DVB-S2X forward channel, delivering the industry's best efficiency.

### (≤250 Users)
## iFAST-Accent [PRO]

19" rack Pro Up to **50 Mbps** receive and **24 Mbps** transmit. Dual MF-TDMA/SCPC carrier, **128 GB On-board Proxy** active cashing, powerful processor, DVB-S2 ACM inbound and outbound. 8VLAN

## VEHICLE IP VSAT

Our vehicle mounted Vsat antenna is able of handling critical high speed internet iFast applications. In a couple of minute - **Up to 50 Mbps.**

## MARITIME VSAT
### Three AXIS

Compact size and lightweight design satellite maritime Vsat unit, **60cm Ku-band** VSAT antenna and a **90 cm** Vsat antenna. Internet access on Board **Up to 50 Mbps.**

## KYMETA ❶
## VSAT Ku-ANTENNA

Lightweight, slim, and high-throughput communication systems that makes connecting nearly any **vehicle, vessel, or fixed platform** easy.Holographic Beam Forming. Omnidirectional , No Mechanic, **Up to 10 Mbps**

## VEHICLE SOTM ❷

Low profile satellite tracking internet antenna, simple and easy to install. Quick satellite acquisition.

**11**

**12**

Surveillance
Mapping
Goods Delivery
Survey
GSM Tracking

## VTOL (Vertical Take-off & Landing)
## Fixed Wing Drone

VTOL Fixed-Wing Unmanned Aerial System is ready to fly modular solution that can be easily customized in the field according to any mission.

- Thermic Engine & 100 W Generator
- Fly time of 7 + hours & ≥150Km Range
- Flight route Programmable
- Payload capacity up to ≥ **7Kg**
- Long range Encrypted AES256 Satellite Communication
- UHD Camera Day/ Night
- Long Distance / High Staricity zoom.
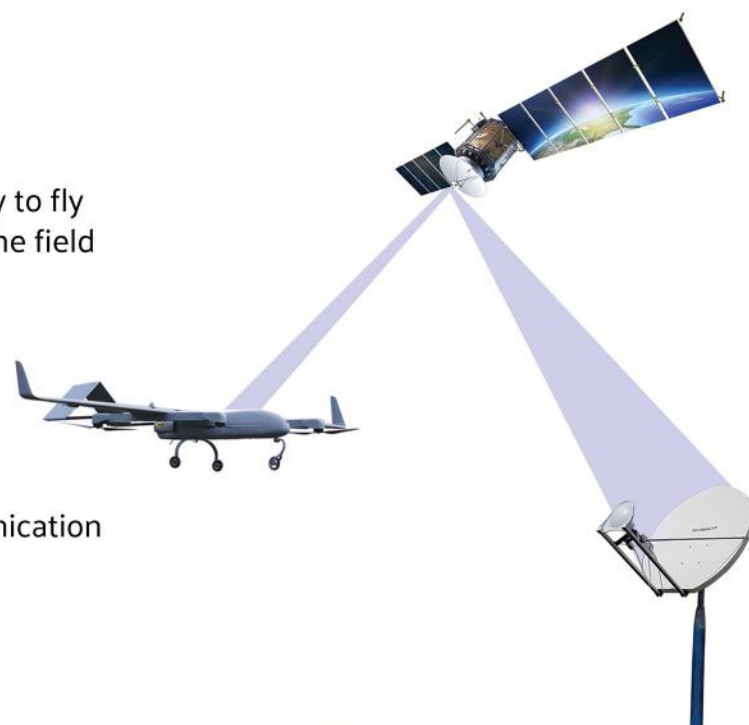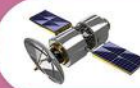
## IPTV / OTT
## Internet Protocol Television

We Broadcast your production all over the world via the internet.
Reception via our App on:

- Smartphones
- Tablets
- Laptops
- Smart TVs
- Setup-boxes (STB) Standard or High definition

## YOUR TV
## VIDEO CHANNEL
video production available in DTH satellite

Your TV content and TV programs Available over Africa, MENA region or Europe?
We can make it for you.
Your channel will be transmitted by satellite.
Your channel will be received by existing small private dishes on the ground (DTH)

13

14

## MICROWAVE RADIO LINK
### Point-to-Point

Point-to-point radio, Ethernet LAN (RJ45) Radio range line of sight (LOS), supporting, LAN & VLAN

- ≥50 Km
- 2 GHz to 90 GHz
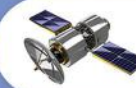- 2.4 GHz or 5 GHz, 65 GHz
- 1Mbps, 10 Mbps, 100 Mbps, 1 Gbps, 10 Gbps

### 1 Mbps up to 10 Gbps

- Net interface
- Billing
- Access control
- Voucher

## Wi-Fi MEDIUM RANGE
### Wi-Fi 600 Meters radio Range

Designed to be used either as an Access Point with built-in backhaul for high density user environments, or as a Point-to-Point and Point-to-Multipoint bridge that delivers high speed data internet in WIFI protocol 2.4 GHz and 5 GHz.

### 600 Meters Radio Range

### ≤ 1 Km Range 100 Mbps

## Wi-Fi RANGE EXTENDER
### Point-to-Point & Multipoint ( 1 Km)

2.4 GHz & 5 GHz, Range up to 1 Km LOS, High-performance high-gain antenna, CPE, Access Point or repeater, Integrated alignment mechanism, Weatherproof case, WIFI protocol (IP55 compliant)
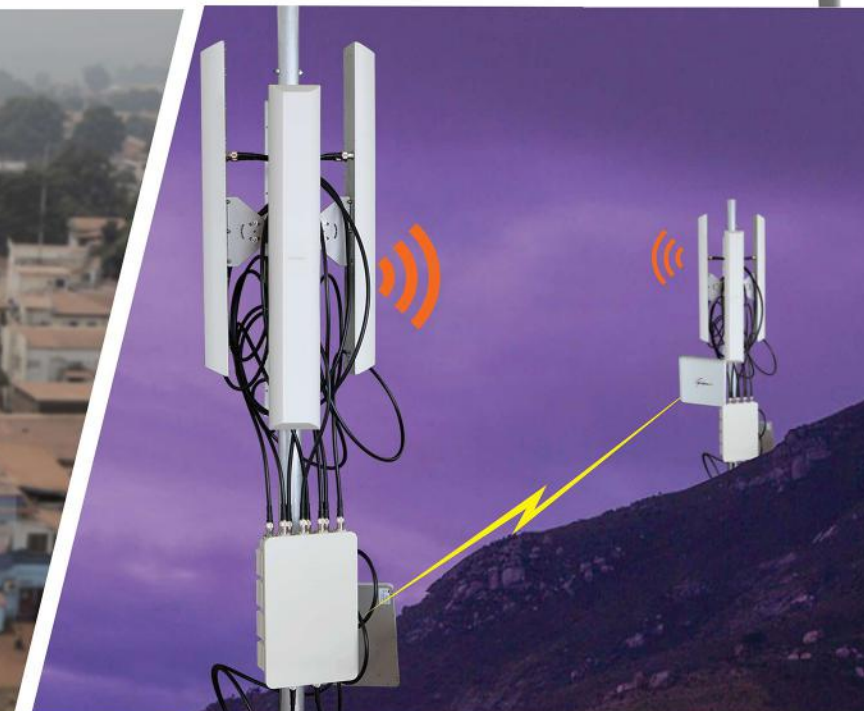
### 1.5 Km Radio Range

## Wi-Fi LONG RANGE
### Wi-Fi 1.5 Km Radio Range

**Long Radio Range(1.5Km)**

WiFi 2.4 GHz : 1.2 Km to 1.5 Km per BTS/Cell, Repeater included 10Km radio link in 4.9 GHz to 5 GHz - extend the coverage, Adaptive interference control, Antenna beam forming, Multi-function wireless system and method. Design for high density usage – Multi- BTS

*Remote Doctor Assistance*

# SATELLITE TELEMEDICINE

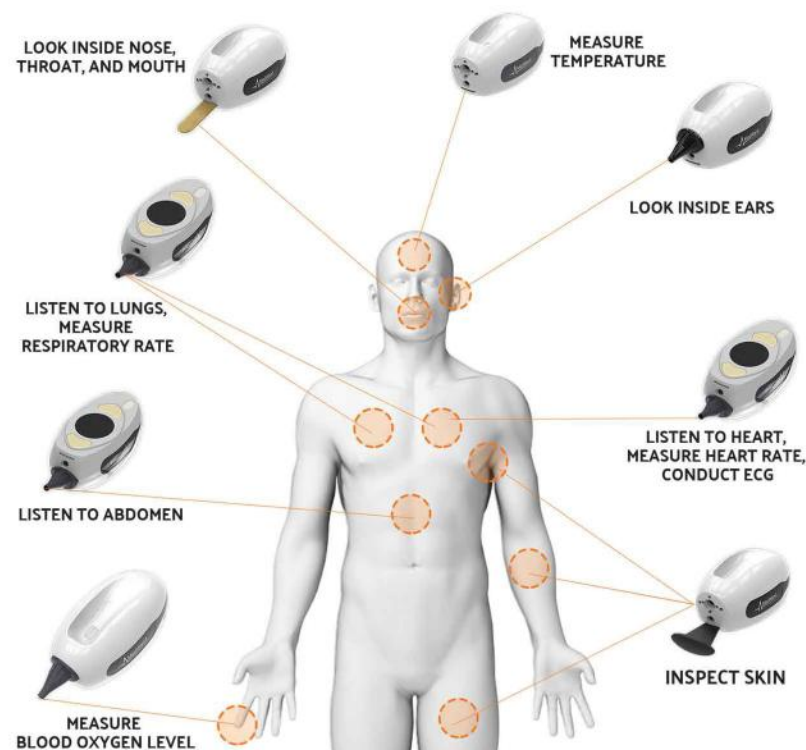We provide multiple diagnostic tools in a single, easy-to-use handheld device operate through satellite.
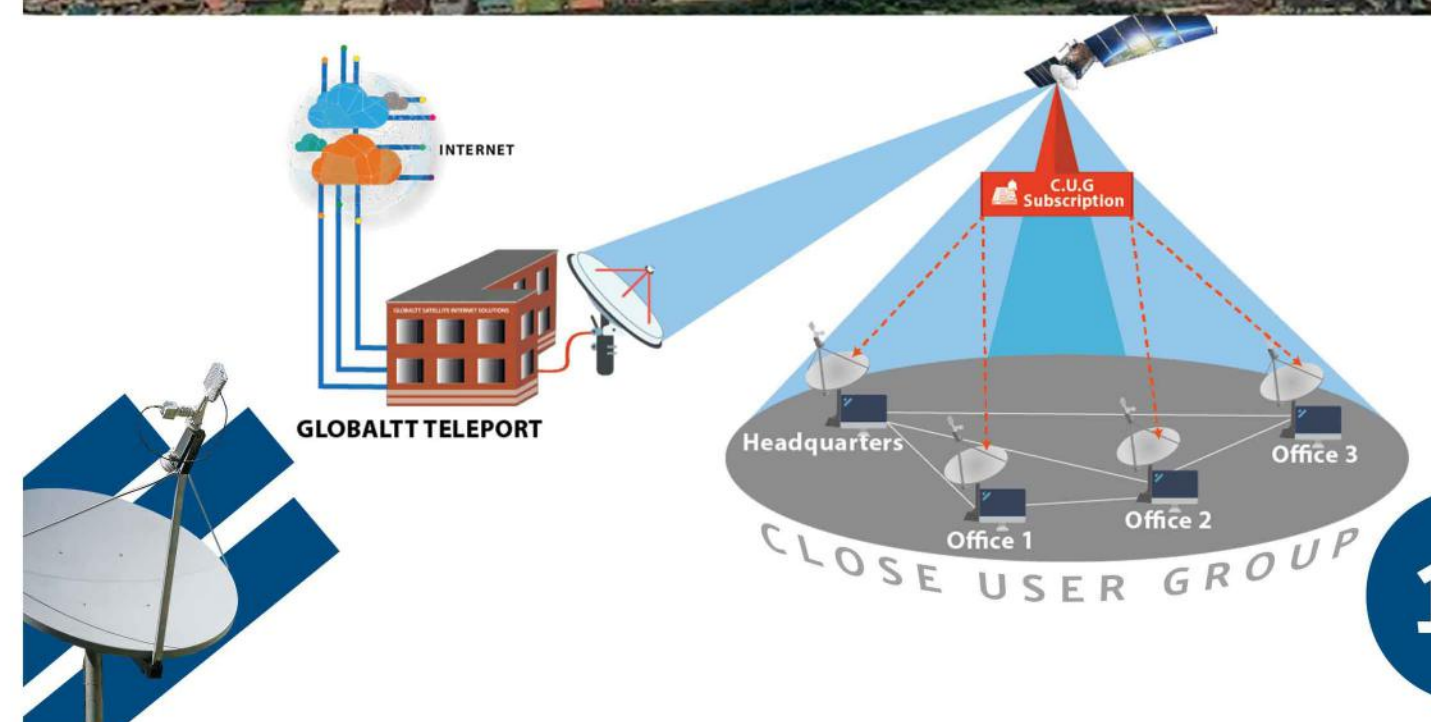
On the patient's side, clinicians can conduct remote office visits, and through the real-time collection of multiple vital sign readings and key patient assessments, detect and follow numerous medical conditions from across town, or around the world.

LOOK INSIDE NOSE, THROAT, AND MOUTH

MEASURE TEMPERATURE

LOOK INSIDE EARS

LISTEN TO LUNGS, MEASURE RESPIRATORY RATE

LISTEN TO HEART, MEASURE HEART RATE, CONDUCT ECG

LISTEN TO ABDOMEN

INSPECT SKIN

MEASURE BLOOD OXYGEN LEVEL

Same Satellite Capacity for your Organisation

**Main Properties and Usage**

· Only 1 subscription and capacity for all your VSAT stations.
· Speed from 1 Mbps up to **10 Mbps** / **30 Mbps** / **50 Mbps**
· **Dedicated bandwidth (1:1)** only for VSAT stations under your company & same satellite footprint.

C.U.G

Headquarters

Office 1

Office 2

Company Factory

ONE Subscription for One TEAM

INTERNET

GLOBALTT TELEPORT

C.U.G Subscription

Headquarters

Office 1

Office 2

Office 3

CLOSE USER GROUP

- **Smart Webcam with face recognition**
- **Indoor/outdoor**
- **Solar Panel option**
- **Day & night vision & IR**
- **Face Recognition**

Satellite Solutions for high definition CLOUDING webcam.

UHD WebCam, video recording, face recognition, IP Place recognition, virtual fence and virtual security boarder, all in SD

- **Electronic Zoom PTZ**
- **Recording function on-board**
- **Clouding**
- **All parameters are tuneable**
- **Satellite specific tuning and BW**
- **Ultra High Definition (UHD)**
- **8K / 4K**
- **Ultra long range Zoom ≥ 10 Km [ Specific Equipment ]**

CLOUDING satellite solutions for video conference and Ultra high definition video.

- **Video Conference Room**
- **Secure & Fast Communication**
- **Crystal clear picture & Video**
- **Audio & Video**
- **Easy to use for any meeting**
- **8K & 4K Compatibility**
- **Point to multi point private satellite video conference**
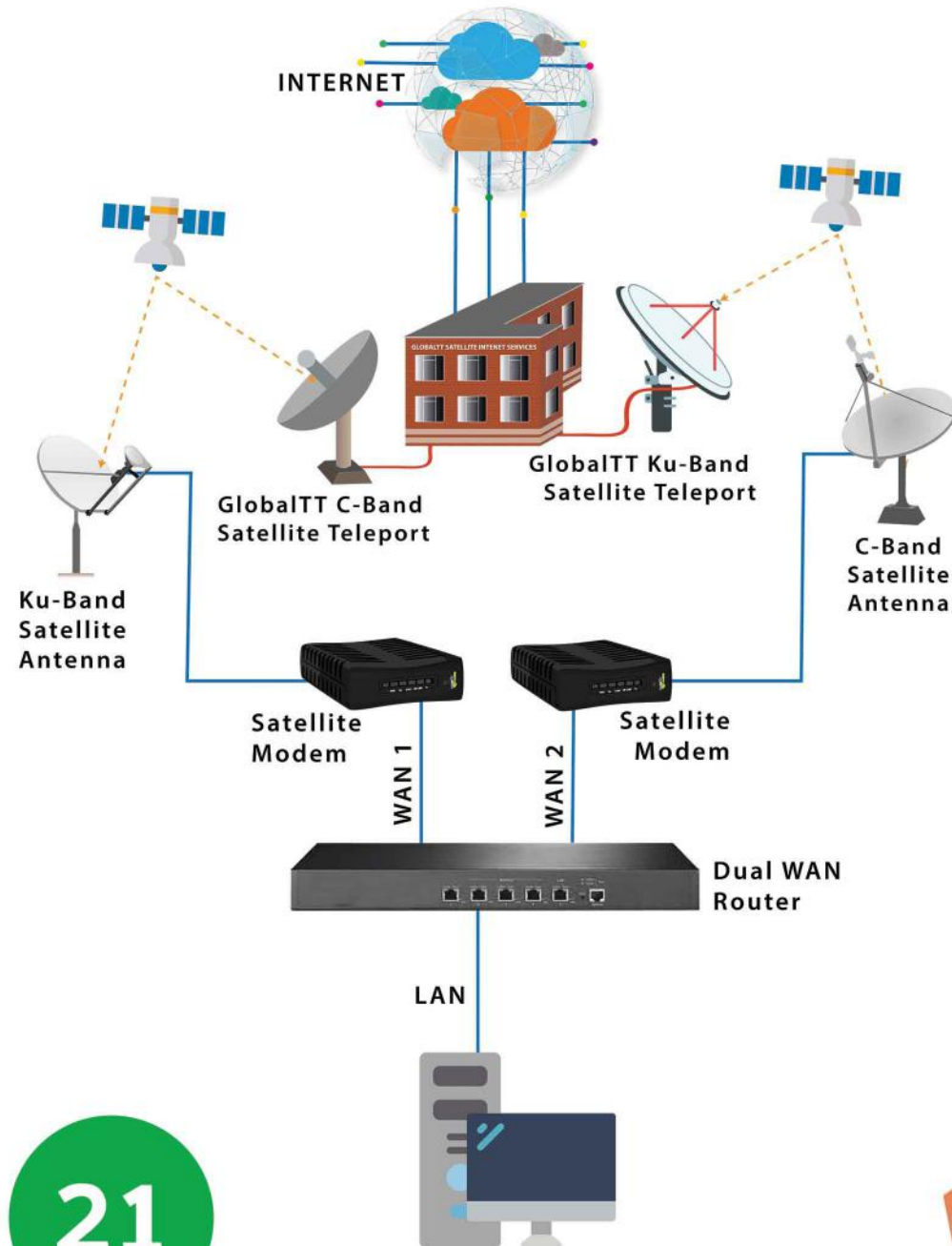
**19**

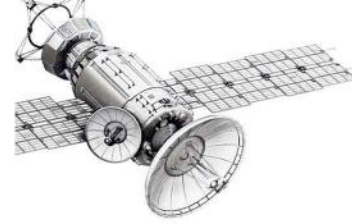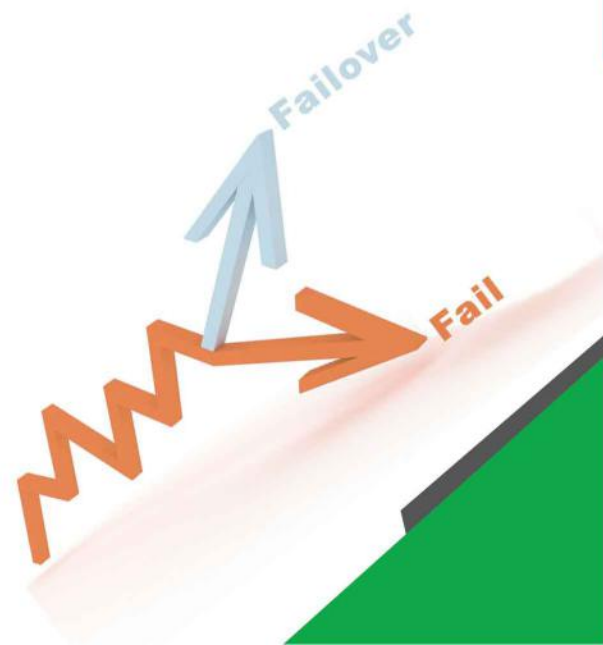**8K** ULTRA HD
**4K** ULTRA HD

**20**

## VSAT FAILOVER & LOAD BALANCING



**GlobalTT** provide full redundant Load Balancing / Failover

- Full redundancy
- Internet 100% available 365/7
- 100% reliability & availability
- Load Balancing & priority protocol
- Full security
- Satellite + Satellite
- Satellite + Local Fiber
- Satellite + Local 3G/4G

INTERNET

Ku-Band Satellite Antenna

GlobalTT C-Band Satellite Teleport

GlobalTT Ku-Band Satellite Teleport

C-Band Satellite Antenna

Satellite Modem

Satellite Modem

WAN 1

WAN 2

Dual WAN Router

LAN

Failover

Fail

---

Additional service we offer along with VSAT services and subscriptions

**Cloud applications - We support over our satellite network:**

- All office 365 Suite (word, excel, PPT, sharepoint)
- Email Outlook®
- Customer Relationship Management (CRM)
- Enterprise Resource Planning (ERP)
- (VOIP) Skype® for Business & Teams



- All the Instant Messaging (I.M), voice and video (whatsapp, Teams, skype, IMO, Viber , Telegram, Messenger voice)
- VOIP for private network
- Ticketing System, Webcam surveillance UHD, high quality
- Video conferencing, high resolution and high quality

# (GI) GLOBAL INTERFACE
## (Subscriber Interface)

The **Global Interface (GI)** is a portal client which helps our clients to monitor their stations, order add-ons, managing application protocols and much more.

### ONLINE VSAT FULL CONTROL PORTAL & MONITORING



**Global Interface**

- Flexible Online Payment Methods
- Station Details on Dashboard
- Debug, Solve problem, Identify Problem
- Speed Monitoring
- Volume Monitoring

- IP Application Monitoring
- Advanced Application Control Management
- Control station from the dashboard
- User Profile control & Rights

**PayPal** **VISA** **MasterCard** **AMERICAN EXPRESS**

---

# (SVNO) SATELLITE VIRTUAL NETWORK OPERATOR

## Full Control



### NO INVESTMENT, BECOME AN OPERATOR

The SVNO is <u>a reseller portal</u> operating under their brand. Including a web interface hosted by the GlobalTT server.

## Operate under your Name



> You appear as a Satellite Operator and <u>manage your clients, price, margin and profit.</u>

## Apply Your Margin



- Fully Automated 24/7 - <u>Zero Financial Risk Portal</u>
- Portal under your Branding
- Advanced Application Control Management
- Prepaid & Postpaid
- Online debug and maintenance tools
- Control all Your stations from the dashboard
- Flexible Online Payment Methods

**VIRTUAL SATELLITE OPERATOR**

**PayPal** **VISA** **AMERICAN EXPRESS** **MasterCard**

**GEO**

## THURAYA
Connecting Everyone
Everywhere

Thuraya's robust satellite network provides coverage in the most remote locations, ensuring congestion-free satellite communications to keep you connected at all times.

- Europe
- All Russia
- All Asia
- All Africa

**THURAYA**

**GEO**

## INMARSAT

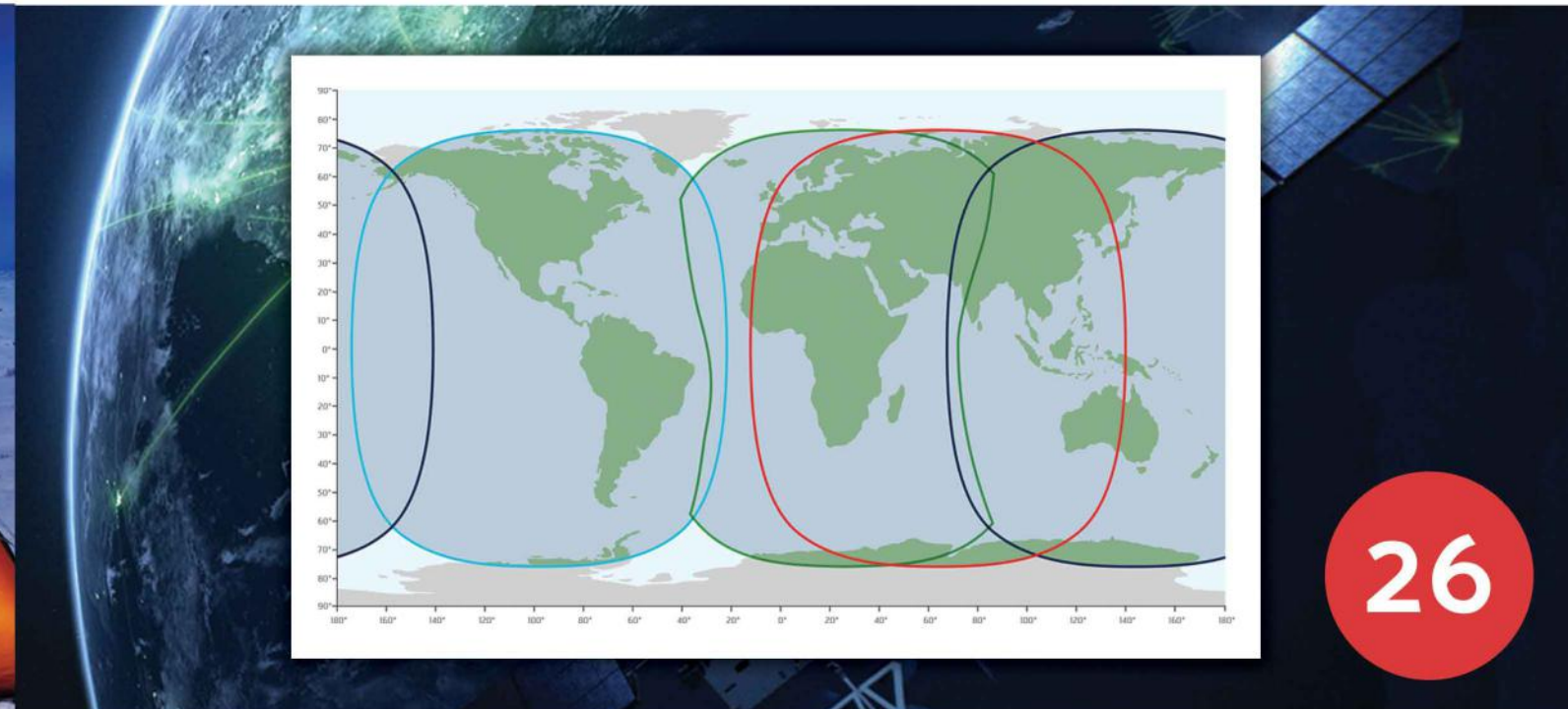Inmarsat WORLDWIDE has a broad portfolio of voice and data services to satisfy your communications requirements, wherever your operations are located.

From hand-held satellite phones and remote site fixed installations, to vessel, vehicular and airborne mobile terminals, offering different performance options to suit your operational needs.

**inmarsat**
The mobile satellite company



**25**



**26**

## Left Page (27)

**1408 kbps** | Iridium **Certus 1400**
- High Definition Video
- Video Conferencing
- Multi-User Internet / VPN
- Telemedicine

**22 kbps** | Iridium **Certus 20**
- Global Maritime Distress & Safety System (GMDSS)
- ACARS
- Asset Tracking
- eLog Book
- Telemetry
- Remote Monitoring

**704 kbps** | Iridium **Certus 700**
- Standard Definition Video
- Video Conferencing
- Multi-User Internet / VPN
- Telemedicine

**88 kbps** | Iridium **Certus 100**
- Internet/VPN
- Email
- Graphical Weather (WX)
- Photo Transfer
- Credit Card Validation

**176 kbps** | Iridium **Certus 200**
- ECDIS Updates
- Aeronautical Charts
- Streaming Audio

**352 kbps** | Iridium **Certus 350**
- Flight Data Recorder Streaming
- VSAT Redundacy
- Low Resolution Video

### LEO DATA & VOICE

# IRIDIUM CERTUS®
## One Platform for Any Need

Iridium Certus® advanced multi-service platform. **L-Band data throughput**. Communications across maritime, IoT, aviation, land mobile, and government applications. Up To **1407 Kbps**

- Data Internet
- Fixed & Mobile

**iridium®** LEO

## 100% Global Coverage
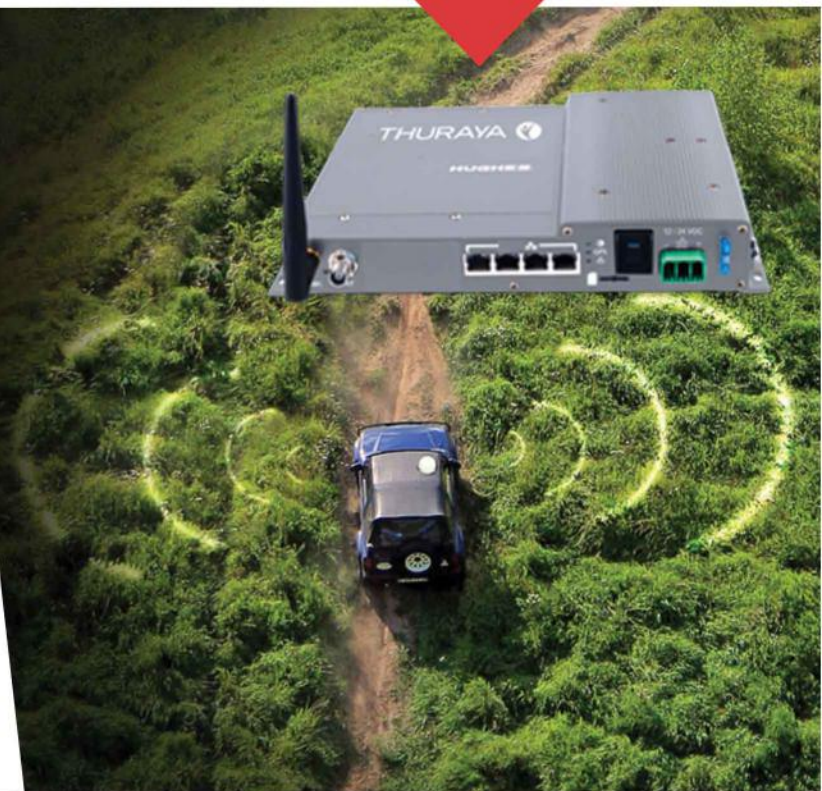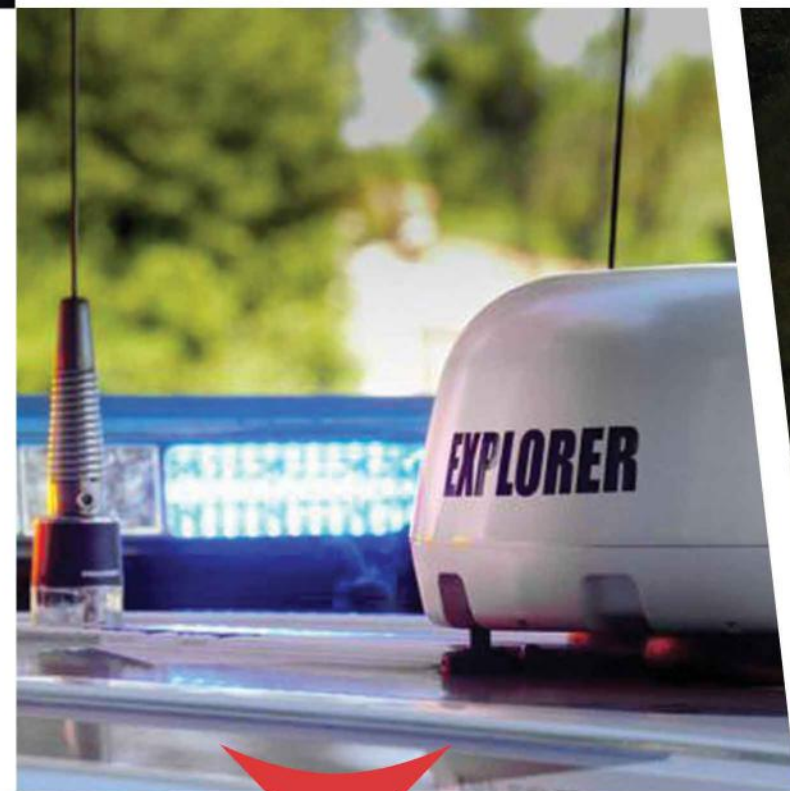
**27**

---

## Right Page (28)

**GEO**

# THURAYA IP VOYAGER
## Easy & reliable connectivity on the road

Designed to connect at IP broadband speeds of up to **444kbps** while on the move, the Thuraya IP Voyager is the only terminal capable of achieving streaming IP rates of up to 384kbps

**Vehicle Internet**

**inmarsat GEO**

# EXPLORER 325

A vehicle satellite GEO Inmarsat BGAN Broadband Internet Global Terminal - **464 Kbps**, Internet, Email, Phone, FTP, FoIP (Fax), SMS Text, Streaming Compact, lightweight, robust system

**Vehicle Internet**

**28**

**VOICE GEO**

## ISATPHONE®
### GEO Sat-Phone

A **global** Inmarsat GEO satellite Phone rugged handset with a life of a unsurpassed battery and **excellent quality "voice"**. Tracking – sends location information. **Voicemail, text and email messaging.**

**GEO**

## ISATHUB® (IP)
### Smart Connectivity

The IsatHub service **accessible from your iPhone, iPad and/or iPod touch or Android[TM] device.** IsatHub is a medium/low speed worldwide **internet connectivity in L-band on the GEO Inmarsat satellite network.** Wi-Fi **Range of 30 meters / 100 feet**. Your portable satellite Wi-Fi hotspot. **≥ 384 Kbps**

- Fully ruggedized
- Dual mode. Dual SIM.
- SAT and GSM "Always On"
- Advanced navigation capabilities
- Most powerful battery - 1 Week
- Dedicated SOS button
- Make the most out of your camera
- Expand your memory
- Connect anyway you want
- Walk-and-Talk
- Bring Your Own App (BYOA)

### Android Sat-Phone
**VOICE GEO**
## THURAYA X5-TOUCH

## THURAYA "WE" (IP)
### Connecting Everyone Everywhere - INTERNET

- Single SIM, dual mode hotspot
- Data at ≥ 384 Kbps
- Calls and text messages in Satellite Mode
- Easy to use interface
- Unified communications
- Lightweight and durable

**SATELLITE-TWO-WAY-RADIO**

## IRIDIUM
**LEO VOICE**
### Push - to-Talk

Iridium PTT ® is a World Wide global group communications service.

The truly **mobile and global voice solution provides a simple Push-to-Talk connectivity "Two Way Radio "**. The relays or repeaters are the Iridium satellites in the sky.

**IRIDIUM PTT**

## THURAYA-IP+ ®  **GEO**
### User Friendly Connectivity

GEO satellite Internet devise,
Speed up to **444 Kbps regionally**. IP55
Battery life 36 hours
1.4 Kg

*Thuraya IP+*
**HUGHES**

**LEO IRIDIUM GO! ®**
### Portable Connection

Iridium ® LEO satellite, creates the first ever reliable **global "BOX"** for voice **calls, text messaging, Small internet, emailing services and emergency SOS** system using your own laptop, tablet or smartphone..

**inmarsat GEO**
## BGAN Others
### Many Options

WorldWide Inmarsat satellite GEO BGAN terminal(Explorer series) and subscription - Connect to the internet from **practically any region of the world** up to 1 Mbps in L-Band

**29**

**30**
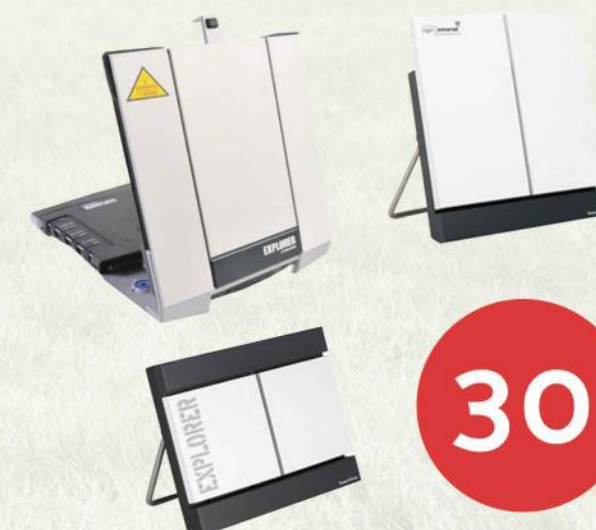
## SUPER HYDROPHOBIC
### NANOCOATING COATING

HIREC 100 provides hydrophobic Nano-coatings between object and water droplets.

**Main Properties and Usage**

- Repel the water
- Anti-Icing
- Anti-Wetting
- Application for the Telecommunication
- Auto-Cleaning
- & many more

**TIME LIFE**
## 3 YEARS

**HIREC's Sterling Photocatalyst Self-Cleaning Mechanism**

HIREC integrates photocatalytic material.

**HIREC is highly effective for preventing water accumulation on radars, antennas and Radar Radomes**

It is also highly effective to improve and maintain performance of antennas, pylons, bridges and towers in snowy or icy climates.

**With Water Repellent**

**With Out Water Repellent**

31

# All solutions offered by **GlobalTT**

**Vsat iFast Internet "128 Kbps up to 300 Mbps** · Fixed · Transportable · Vehicle-IP · Vehicle on the move(SOTM) · Maritime & Aircraft solutions

**VOIP (Voice over IP solutions)**

**WebCam PRO** · Satellite solutions optimized

**LTE** · High throughput local radio broadband 20 Km

**Microwave radio link solutions**, LAN to LAN / POINT to POINT / POINT to MULTIPOINT · 1.5 Ghz up to 30 Ghz · 10 Mbps up to 10 Gbps · Radio range : 500 m, 1 Km, 10 Km, 30 Km, 50 Km (LOS)

**Video Conference** · High definition · Throughput tuning · Adapted for satellite

**TV satellite DTH** · Satellite Uplink · DTH or contribution

**IPTV & OTT** · Smart TV · Set-up box · Compatibility & availability all over the internet world

**Radio satellite broadcast** / FM Transmission

**QOS server layer 7** · Full bandwidth and application management

**Load balancing IP network up to 8 different IP providers** · All the time "ON"

**Firewall/UTM for company**
· LAN Security

**Wi-Fi Router/billing/restrictions and control** · Full control of the Wi-Fi's and LAN's Network

**MSS (Mobile Satellite Services)**
· Iridium (PTT/GO)
· Thuraya · IsatPhone

**Portable internet** · BGAN · Thuraya IP · Vehicle · Thuraya · Inmarsat vehicle

**Maritime Inmarsat (Internet and phone)**
· 128 Kbps · 256 Kbps
· 384 Kbps · 480 Kbps

**Tracking Vehicle/boat/person (WorldWide)**
· Hybrid (Iridium & GSM) · Position reporting on a map · Optional report on other information (temperature, tank fuel, open doors, ... )

**Super Hydrophobic Nano Technology coating** · Super water repellent · Against moisture, rust, snow · Higher performance on all telecom equipment : dome, radomes , antennas, feed-horn, ...