GBI

Connecting
your business
globally.

Product
Portfolio

gbiinc.com

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01

**About
GBI**

About GBI

· Operating across Asia, Middle East and Europe

· Integrated subsea and terrestrial network

· Diversity of routes linking the East to the West

· 24x7 NOC with backup

· Restorable services using ring within the Gulf

· 40,000+ KM network length

· 60+ engaged Partners & Suppliers

· 99.9% Availability for IP/MPLS Services

· The major Middle East carrier neutral network

Winner of the 2016 Telecom Company of the Year, Best Middle Eastern Wholesale Carrier, and Best Submarine Cable Operator
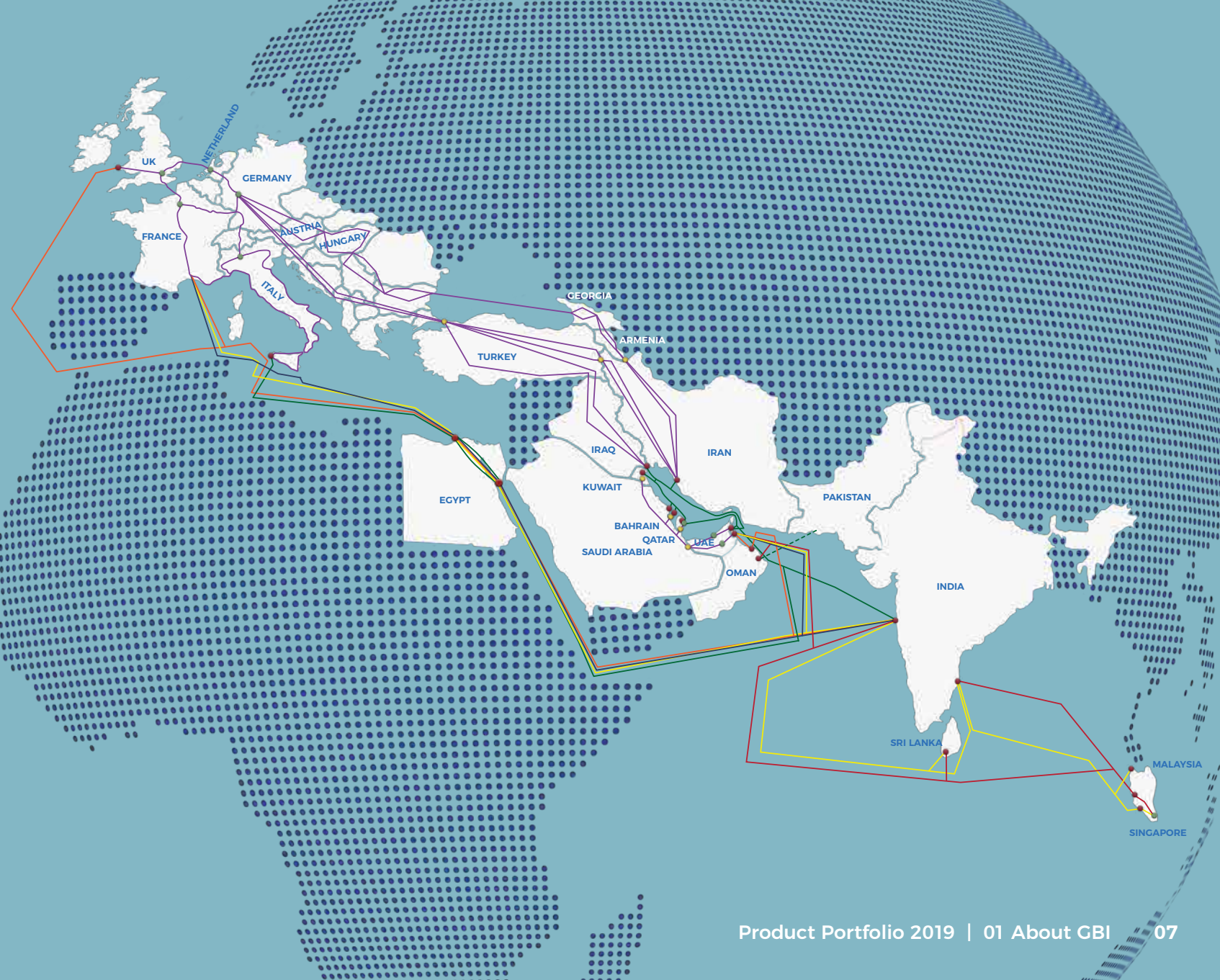
Smart and agile network solutions for Carriers and Enterprise clients

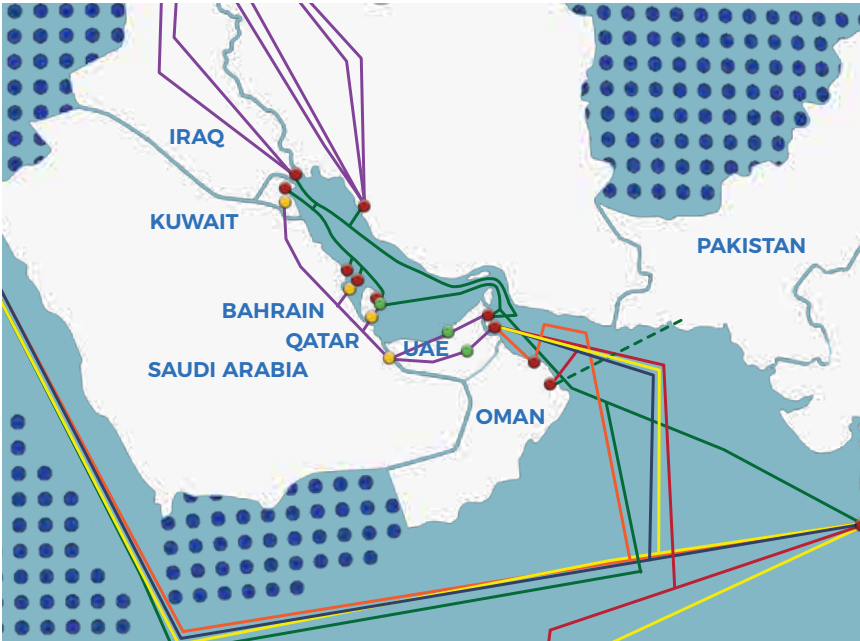## GBI Network

🟢 **PoP**

🔴 **CLS**

🟡 **Inter Connect point**

— GBI North Route
— GBI European Network
— GBI GCCIA
— GBICS
— GBI Middle East
— EIG
— SeaMeWe-4
— IMEWE
— BBG

GBI AS 200612

GBI Network in focus

Connecting the east
and the west to the heart
of the Gulf
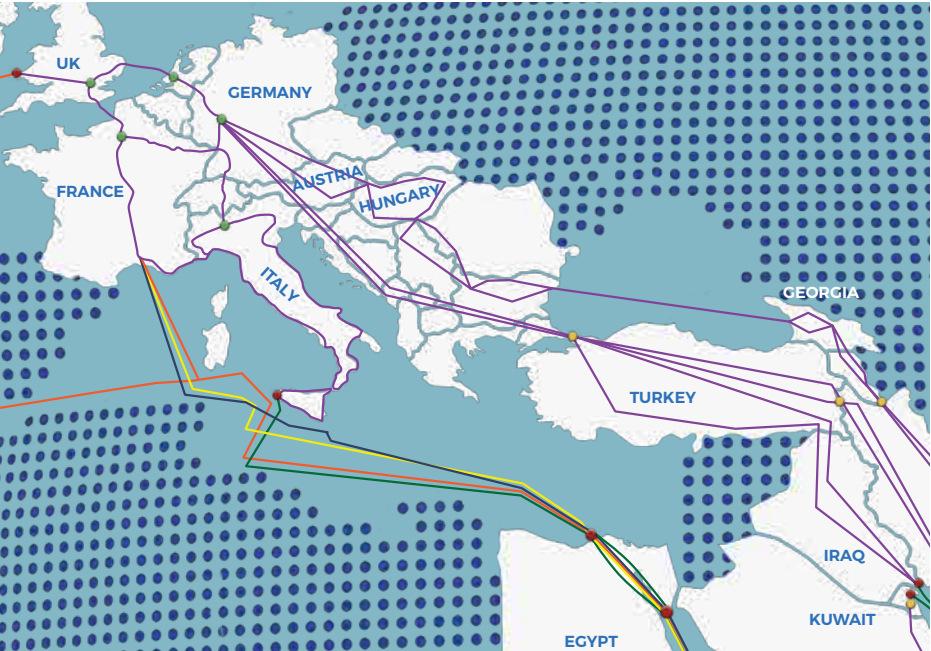
Full Protected Gulf Loop

GBI — GCCIA —

The GBI submarine cable system (in green) is the most recent technically available cable system in the Gulf that connects all Gulf countries via a ring topology.

GBI also offers terrestrial protection of the spurs in the gulf loop by using GCCIA cable system.

Low Latency North Route

The North Route —

GBI is enjoying a unique position as a major regional carrier who can offer a direct route from Doha and other GCC countries to Europe via a low latency terrestrial North Route. MPLS services into Europe such as Azure ExpressRoute are served using the GBI North Route as the primary method of reaching European based servers.

East Route
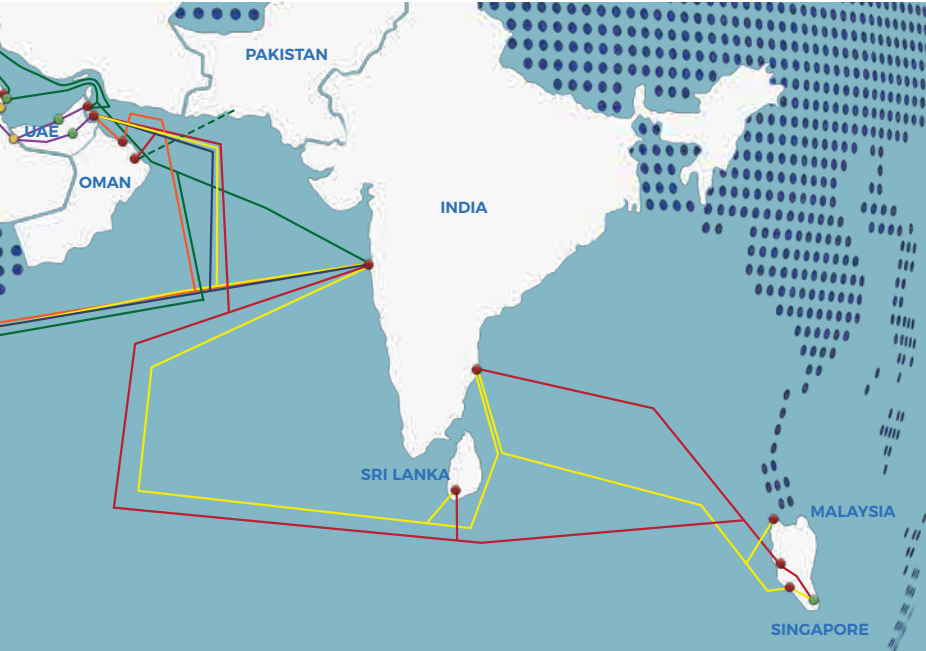
Singapore Route — —

GBI leverages on BBG and SMW4 cable systems to have fully protected diverse routes from GCC and Europe to Singapore. Services from Singapore PoP can be extended via GBI North Route to provide low latency connectivity between the East and West while a direct capacity is also in place to connect this PoP to London via standard sea route.

02

Capacity
IP Transit
Ethernet Services

Connecting the GCC to the world via diverse submarine and terrestrial routes.

GBI Capacity Services

GBI's award winning cable network offers unparalleled connectivity across the Middle East and beyond. Our transmission options range from SDH to EoSDH and DWDM wavelengths.

STM1 to STM64, 100MB to 100GB.

Access to the main DCs in the GCC.

Leverage on different routes to reach the GCC from Europe, India and Singapore.

GBI Services

CAPACITY SERVICES

We own and operate a carrier neutral backbone that offers a full range of SDH (IPLC), EoSDH and DWDM transmission capacity solutions.

IP SERVICES

Connections to the largest IP Exchanges within Europe, Asia and GCC to provide reach to eyeballs in the region.

ETHERNET SERVICES

The GBI Ethernet services portfolio comprises a range of carrier grade connectivity options across Europe, the Middle East, India and Singapore. Customers enjoy ultimate flexibility in choice of routes and latency backed up by a 99.99% availability SLA.

GBI Capacity Services

Capacity Service IPLC/EPL between Middle-East and Europe

CUSTOMER REQUIREMENTS
IPLC and EPL Services from 100MB onwards
Reach to all GCC countries, PoPs and Datacenters
Reach to Europe via low latency north route and standard latency south route
Wavelength from 10G to 100G

GBI SOLUTION BENEFITS
STM1 to STM64 and 100MB to 100GB
Ethernet Over SDH
Access to the main DCs in the GCC
Leverage different routes to reach Europe

Connect GCC to Europe via diverse routes

The diagram below describes the diverse routes that GBI offers between the GCC and Europe.

European PoPs

Access

TERRESTRIAL NORTH ROUTE

GBI GLOBAL NETWORK

SUBMARINE SOUTH ROUTE

GCC PoPs

Access
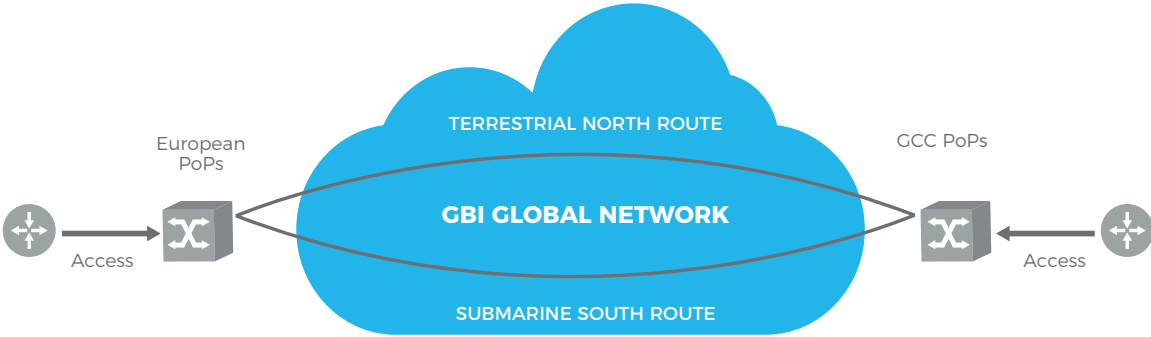
GBI Capacity Services

Protection **Plus**
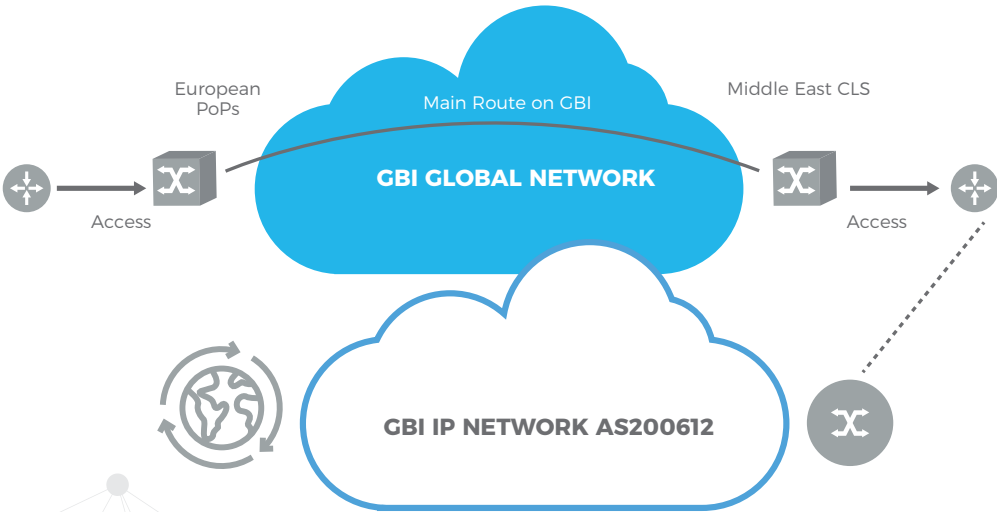
An insurance for your capacity

CUSTOMER REQUIREMENTS

Low network outage

Value for cost

High availability of service needed

GBI SOLUTION BENEFITS

Set up IP port for on-demand activation
during capacity failure

From 1G to multiples of 10G

Pre-staged setup for quick restoration

Regional Carrier requires Capacity Service with low cost
restoration with rapid turnaround in the form of
equivalent IPT Service

With pre-configured IPT connectivity along with your purchased capacity,
restoration of your service in the form of IPT can be achieved within minutes

European PoPs — Main Route on GBI — Middle East CLS

Access — GBI GLOBAL NETWORK — Access

GBI IP NETWORK AS200612

GBI Capacity Services

10G Capacities on BBG Cable Systems

Customer Requirements

10G Wavelength

Competitive latency from Singapore
to major points in Asia and GCC

Flexible offering for IRU or Lease

GBI Solution Benefits

10G Wavelength as STM64, ch-STM64 and
10GE interfaces

Extendable to GCC countries using GBIC
cable system

Competitive latency and availability

Extendable to GCC via GBIC System

BBG Routes		Latency
A	B	RTD
SNG	OMN	70ms
SNG	FUJ	72ms
SNG	MUM	59ms
SNG	CHN	37ms
SLK	MUM	25ms
MUM	OMN	20ms
MUM	FUJ	22ms
FUJ	OMN	3ms
SNG	DOH	83ms
SNG	KUW	88ms
SNG	IRQ	89ms
SNG	KSA	87ms
SNG	BAH	86ms

BBG Routes and Landing Stations

FUJAIRAH

BARAKA

MUMBAI   CHENNAI

SRI LANKA

SINGAPORE

03

IP Transit
Services

The heart of IP transit within the Gulf. IP connectivity that is faster and better.

GBI IP Services

Regional Carriers and Service Providers require a reliable, consistent IP Transit service to access Global and GCC contents in major regional hubs like Qatar, Datamena, Smarthub, and Bahrain. GBI's extensive regional peering relationships and direct connections to all the major service providers make GBI a premium content aggregator of choice for the region.

| 100MB to 100GB connectivity over ethernet ports | Leverage on local, west, east and north GBI and third party underlying network to maximize availability and latency | Flat rate or 95th percentile billing | Long haul IP transit service options | Presence in Datamena, Smarthub, Manama |

GBI IPT Services

IP Transit - Premium and Standard
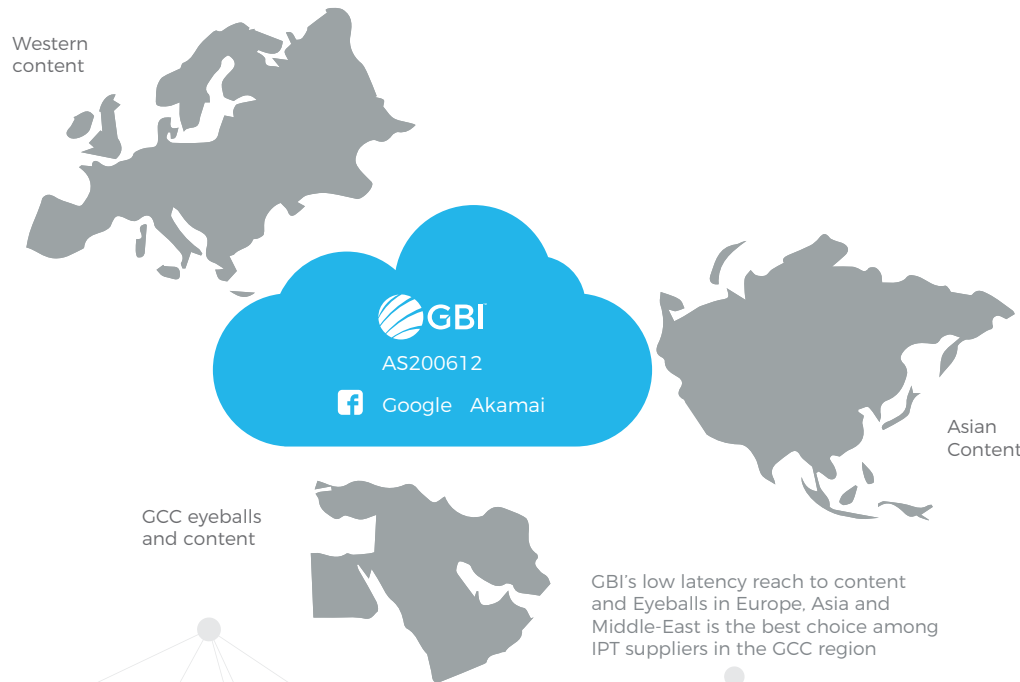
Global coverage of GBI IPT Service

CUSTOMER REQUIREMENTS

Seeking a reliable and consistent service

Lower latency to reach the local content

Reaching to main regional and global contents

IP tuning and ongoing enhancement

GBI SOLUTION BENEFITS

99.99% availability SLA

24 x 7 IP NOC

Impressive latency measured PoP to PoP

Extensive global and regional peering relationships

Western content

GBI
AS200612
Google Akamai

Asian Content

GCC eyeballs and content

GBI's low latency reach to content and Eyeballs in Europe, Asia and Middle-East is the best choice among IPT suppliers in the GCC region

GBI IPT Services

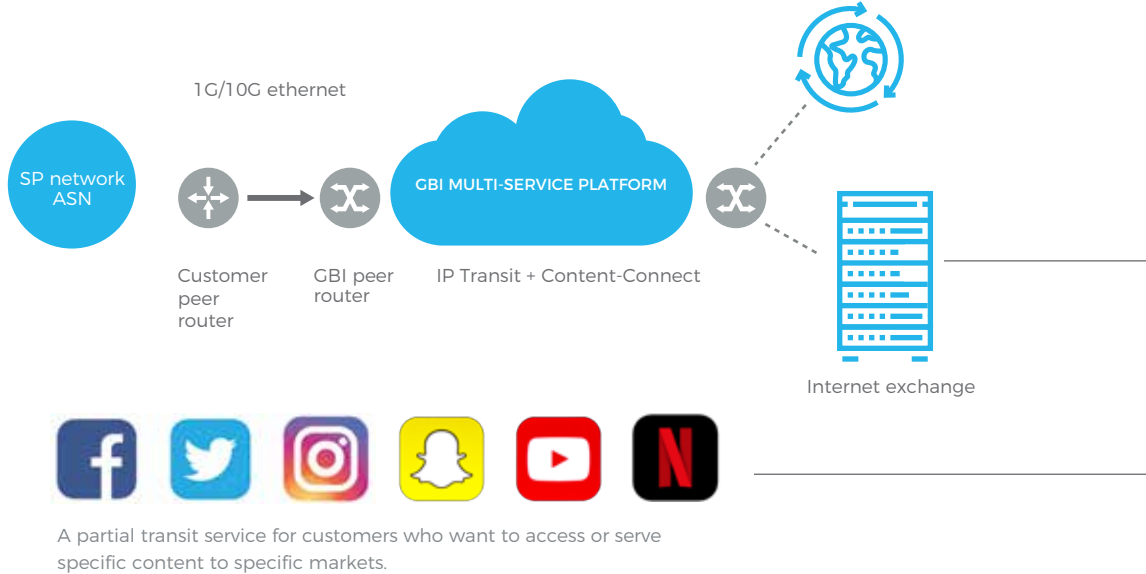## Add-on Service: Content Transit Service

Customized reach to the content of your choice

CUSTOMER REQUIREMENTS

Requiring a one stop shop service for dedicated access to regionalized content

GBI SOLUTION BENEFITS

Easy access solution over IP

Growing list of global and regional content players

Multiple peering points to Google

1G/10G ethernet

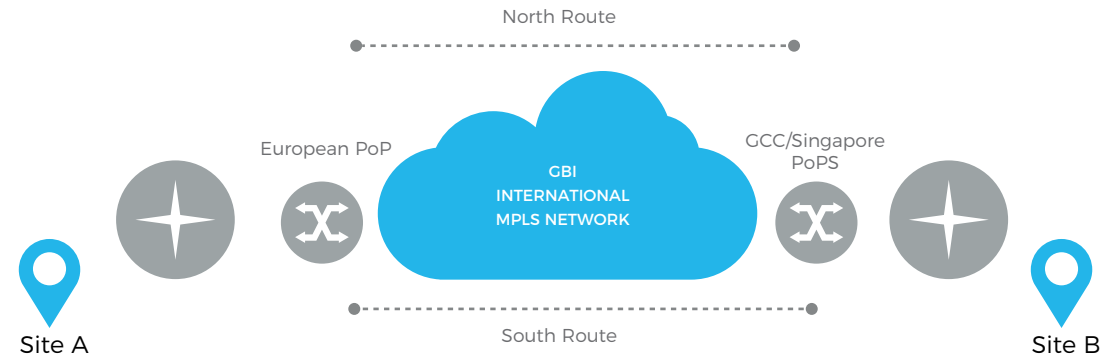SP network ASN

GBI MULTI-SERVICE PLATFORM

Customer peer router

GBI peer router

IP Transit + Content-Connect

Internet exchange

A partial transit service for customers who want to access or serve specific content to specific markets.

Cost effective carrier grade, protected connectivity into Europe with latency choice of 100ms to 150ms from GCC.

GBI Ethernet Services

The GBI Ethernet services portfolio comprises a range of carrier grade connectivity options across Europe, the Middle East, India and Singapore. Customers enjoy ultimate flexibility in choice of routes and latency backed up by a 99.99% availability SLA.

Flexible reach to major Internet Exchanges across GCC, Europe and Asia through Point to Multipoint MPLS leveraging on reseller partnerships between GBI and the major Internet exchanges (IXs).

GBI Ethernet Services

Global Ethernet Services

CUSTOMER REQUIREMENTS

High availability of service

Lower initial bandwidth requirement with foreseeable future increase

Cost is a key determinant in decision making

Low latency reach from GCC/Asia to Europe

GBI SOLUTION BENEFITS

10Mbps scalable to 10Gbps

Rapid Deployment of services

PAYG contract

MPLS option for North and South routes

Connect Singapore/India to GCC and Europe

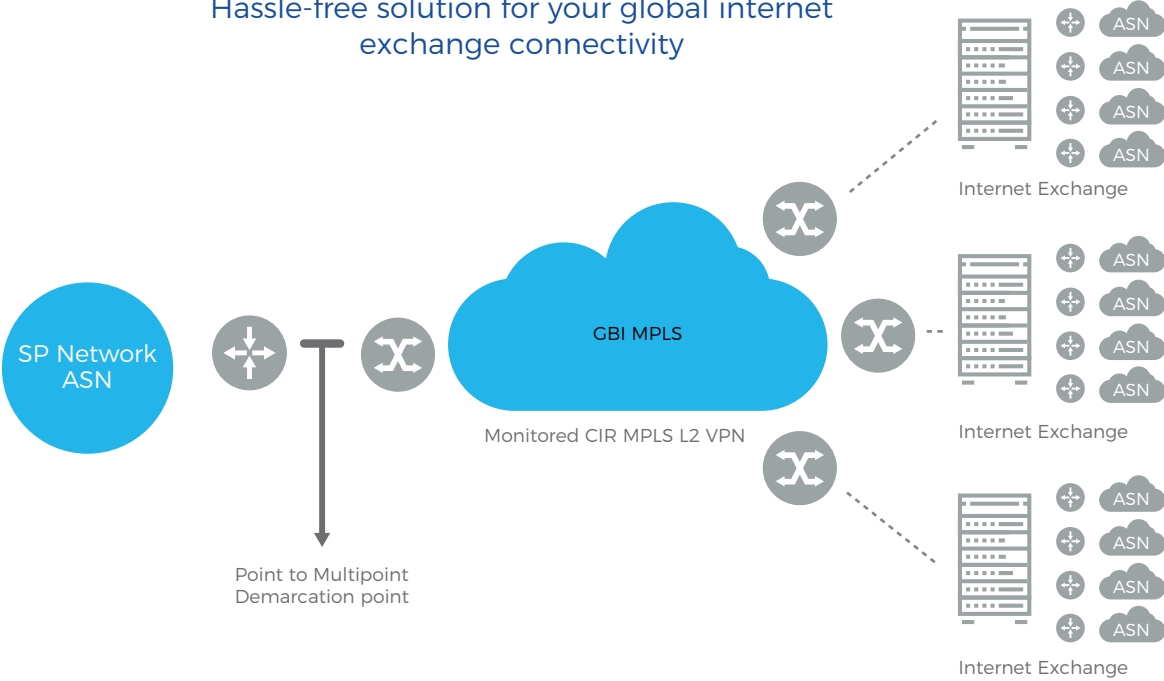High resilience and low latency ethernet over MPLS, between Europe, GCC and Singapore

North Route

European PoP

GBI INTERNATIONAL MPLS NETWORK

GCC/Singapore PoPS

South Route

Site A

Site B

GBI Ethernet Services

IX Connect Service

CUSTOMER REQUIREMENTS

Improved peering connectivity across the world's largest IXs

Cost minimization of global infrastructure costs

Agility to balance traffic to different destinations as per local internet use. Flexible connectivity to each IX from 100MB to 100GB

Fast Go-to-Market and IX provisioning

GBI SOLUTION BENEFITS

A single port provision. No deployment or installation required

Low cost. Pay only for the CDR you need

Single point of contact for Billing, Legal and Technical

Flexible bandwidth arrangement between 1G to nx10G to DE-CIX, AMS-IX, LINX, UAE-IX and SH-IX

Hassle-free solution for your global internet exchange connectivity

SP Network ASN

GBI MPLS

Monitored CIR MPLS L2 VPN

Point to Multipoint Demarcation point

Internet Exchange

ASN

Internet Exchange

Internet Exchange

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