

# Global Managed Bandwidth Solution

Leveraging its state-of-art, self-healing and global redundant fibre network, China Telecom provides cost-effective and high quality networking solutions through IPLC and IEPL tailored to varying business needs. Our full set of services is customized for security, speed, volume and real-time applications, and effectively supports businesses as they expand into China and throughout the world.

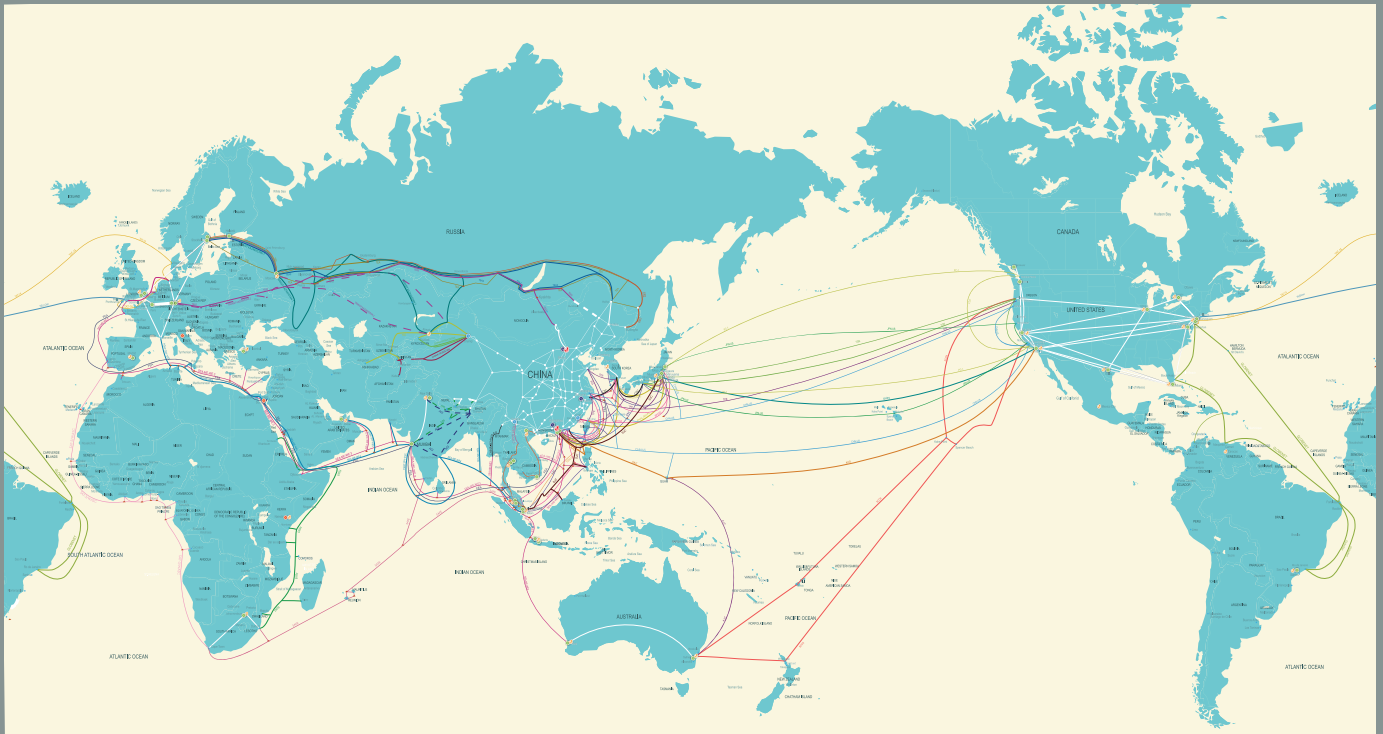
## International Private Leased Circuits (IPLC)

China Telecom's International Private Leased Circuits (IPLC) service provides end-to-end, fully managed and dedicated digital connections of the highest quality. It is the ideal solution for multinational corporations and industries, such as banking and finance, securities, education, manufacturing, media, web portals and more. Our IPLC offers transparent data transmission for local area networks, regional data centres, and other mission-critical voice, data and video applications.

## International Ethernet Private Line (IEPL)

China Telecom's International Ethernet Private Line (IEPL) service is an Ethernet over SDH solution that provides connections through standard Ethernet interface. IEPL provides carrier-class managed and dedicated point-to-point and point-to-multipoint international Ethernet connectivity based on China Telecom's Multi Service Transport Platform (MSTP).

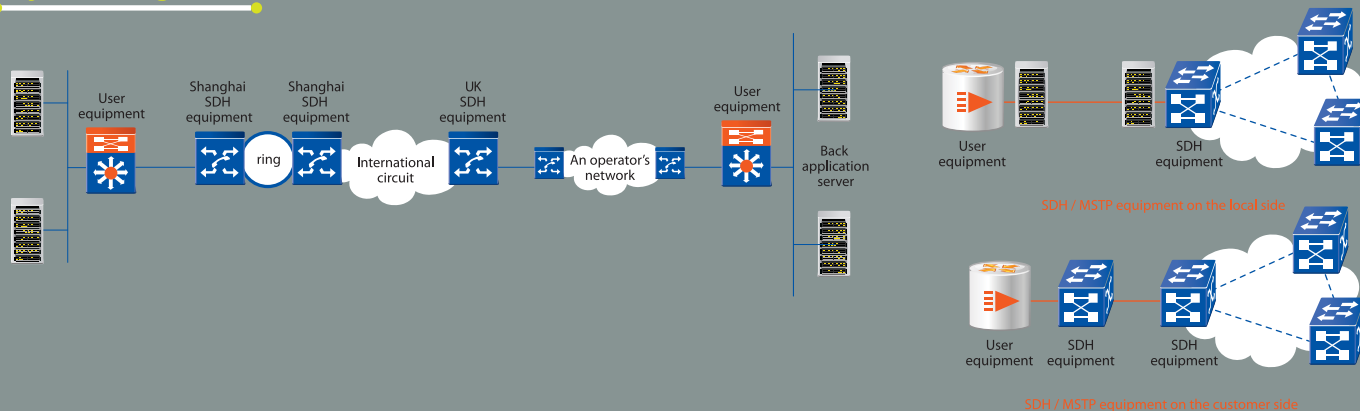
Our global network consists of over 33 submarine cables and high speed terrestrial links with a total international transmission capacity of 7T, covering 72 countries and regions.



## International Private Leased Circuits (IPLC)

China Telecom's worldwide transmission network equips IPLC services with a number of features such as multiple routing options, main and backup flexibility, high reliability, multi-services carrying and strong management ability.

### System Diagram



### Key features and benefits

#### Highly Reliable and Resilient Network

- SDH protection switching function, capable of ensuring end-to-end dedicated international bandwidth with minimal transmission delay and maximum network security, and supports the applications of a variety of real-time critical tasks
- Resilient system design and network implementation against single point of failure
- Multiple protection technologies incorporated in self-healing and alternative routing capabilities
- Service Level Agreement (SLA) provides a comprehensive list of guarantees

#### Comprehensive connection options support a variety of services

- Full spectrum of bandwidth options available, ranging from 64K to STM-64
- Variable communication speed: N x 64K, 2M, 45M, 155M, 622M, 2.5G, 10G
- Multiple protection technologies incorporated in Self-healing and alternative routing capabilities
- Support a variety of services: data, video, voice and other business transmissions

#### Secure, effective and flexible solution

- End-to-end physical isolation, customer dedicated bandwidth and protection
- 99.9% or greater network availability in key customer demanding areas
- Clear channel capability caters to a wide range of data types, from time-sensitive applications to high security needs
- One-stop-shop service facilitating ordering contracting, provision, billing and management of service

#### Expert Support

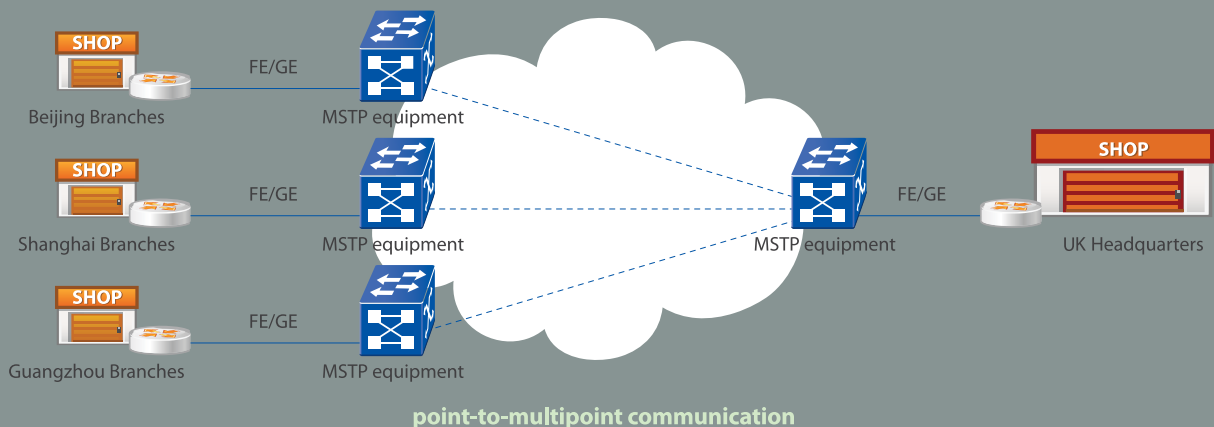
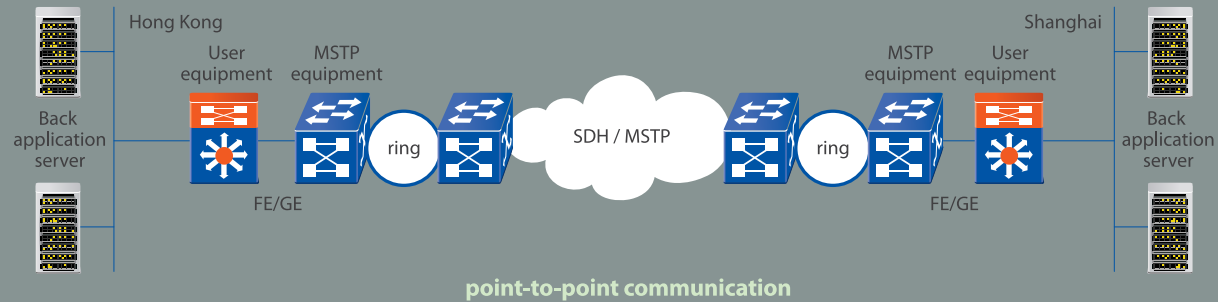
- Real-time network performance monitoring
- MTTR (mean time to repair)  $\leq 4$  hours



## International Ethernet Private Line (IEPL)

Based on our high performance global transmission network, China Telecom IEPL adopts Ethernet over SDH technology to provide customers with long-distance/transnational Ethernet Private Line service with access rates between 2M and 10G, and achieves point-to-point or point-to-multipoint communication.

### System Diagram



### Key features and benefits

#### Low latency and high reliability

- With qualifying standard certifications MEF9 and MEF14, we can provide global customers with international Ethernet Private Line services based on their own and other partners' network resources
- Adopting physical isolation between customers and providing exclusive bandwidth of high security and superior network

#### Enhanced flexibility and scalability

- Flexible adjustment of bandwidth from 2M to 10G according to actual bandwidth requirements
- 99.9% or greater network availability in key customer demanding areas
- MTTR (mean time to repair)  $\leq 4$  hours

#### Cost effective

- Adopting standard and widely applicable Ethernet interface, without new equipment investment, ensuring simple network upgrading and short deliver time