

SANOG XVI
22nd July 2010

Presentation By DrukNet (ISP)



Background : BTL

Bhutan Telecom Ltd

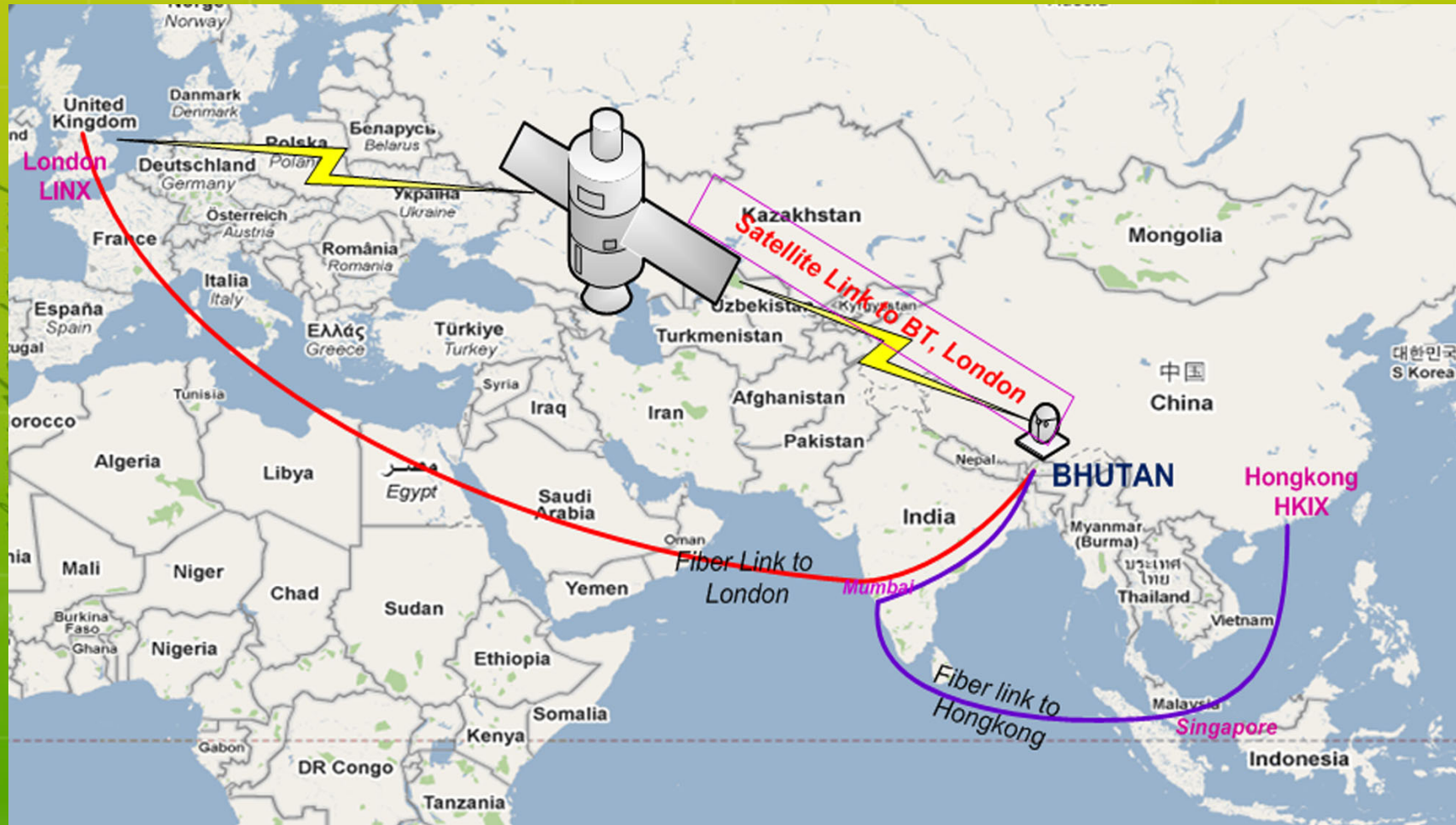
always there for you!

- **DrukNet: ISP Division under BTL**
- **BTL is a GLC under DHI**
- **Launched on 2nd June 1999**
- **Total upstream Bandwidth (318 Mbps)**



Our Upstream Providers

Bhutan Telecom Ltd





Significant Peers



facebook

YAHOO!

Bhutan Telecom Ltd
always there for you!



LINX-IPv4 Peers

Bhutan Telecom Ltd

always there for you!

| SI/No | ASN | Exchange Name |
|-------|-------|---------------------------------|
| 1 | 6939 | HE Net |
| 2 | 8708 | S C RCS & RDS |
| 3 | 24931 | DediPower Managed Hosting Ltd |
| 4 | 30844 | Econet Carrier services |
| 5 | 8897 | MISTRAL |
| 6 | 20547 | UKSolution |
| 7 | 44654 | Media Network Services |
| 8 | 8001 | Net Access Corporation |
| 9 | 2818 | BBC news Online |
| 10 | 8607 | Timico Network Operations |
| 11 | 15169 | Google |
| 12 | 8553 | AVENSYSNT |
| 13 | 10310 | Yahoo |
| 14 | 29636 | Catalyst2Peering |
| 15 | 8068 | Microsoft |
| 16 | 12552 | IPonly-se |
| 17 | 20940 | Akamai |
| 18 | 12715 | Jazz Telecom |
| 19 | 24851 | NETCETERA |
| 20 | 21371 | Equinix |
| 21 | 12371 | OTEGlobe S A |
| 22 | 31290 | Murphx Innovative Solutions Ltd |
| 23 | 9002 | ReTN |
| 24 | 16082 | Spitfire Network Services |

| | | |
|----|-------|--------------------------------|
| 25 | 31196 | Globalmix |
| 26 | 35028 | Multiplaypeering |
| 27 | 21396 | NetConnex (NCUK) |
| 28 | 29527 | Othello tech |
| 29 | 38726 | Digital Communications Company |
| 31 | 41012 | The Cloud |
| 32 | 2603 | NORDUnet |
| 33 | 25061 | ANLX |
| 34 | 29009 | UKSolutions |
| 35 | 32934 | Facebook |
| 36 | 29208 | Dial Telecom |
| 37 | 38082 | True Internet Gateway |
| 38 | 30890 | Evolva Telecom Romania |
| 39 | 47999 | Transversal |
| 40 | 2119 | Telenor |
| 41 | 5580 | Atrato IP Networks |
| 42 | 25369 | KILLERCREATION |
| 43 | 11666 | Nexicom |
| 44 | 34442 | Xifos |
| 45 | 43013 | York Data Services Ltd |
| 46 | 8714 | LINX Foundry route Server |
| 47 | 42 | PCH |



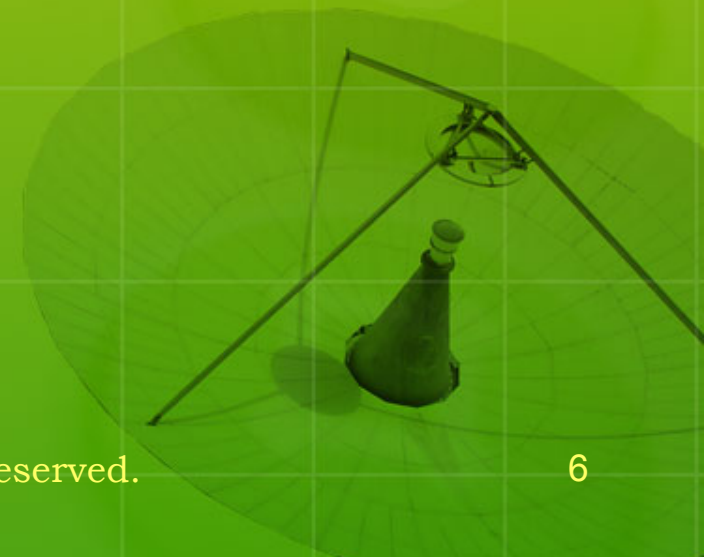
HKIX-IPv4 & IPv6 Peers

Bhutan Telecom Ltd

always there for you!

| SI/No | ASN | Exchange Name |
|-------|-------|----------------------------------|
| 1 | 4635 | HKIX Route Server |
| 2 | 15169 | Google |
| 3 | 32934 | Face book |
| 4 | 8781 | Qatar Telecom |
| 5 | 4651 | CAT Telecom |
| 6 | 9658 | Eastern Telecommunications Phils |
| 7 | 15133 | EdgeCast Network |
| 8 | 6939 | Hurricane Electric |
| 9 | 10310 | Yahoo |
| 10 | 8674 | Netnod Internet Exchange |
| 11 | 42 | PCH |
| | | |

| SI/No | ASN | Exchange Name |
|-------|-------|--------------------|
| 1 | 4635 | HKIX Route Server |
| 2 | 15169 | Google |
| 3 | 8781 | Qatar Telecom |
| 4 | 8069 | Microsoft |
| 5 | 6939 | Hurricane Electric |
| 6 | 10310 | Yahoo |
| 7 | 42 | PCH |
| | | |





Pros of Peering

Cost Savings

- **50% of Upstream BW is saved** http://netmon.druknet.bt/weathermap/druknet_edge.html
- **Faster access to Peer's content**



Peering Details

Bhutan Telecom Ltd

always there for you!

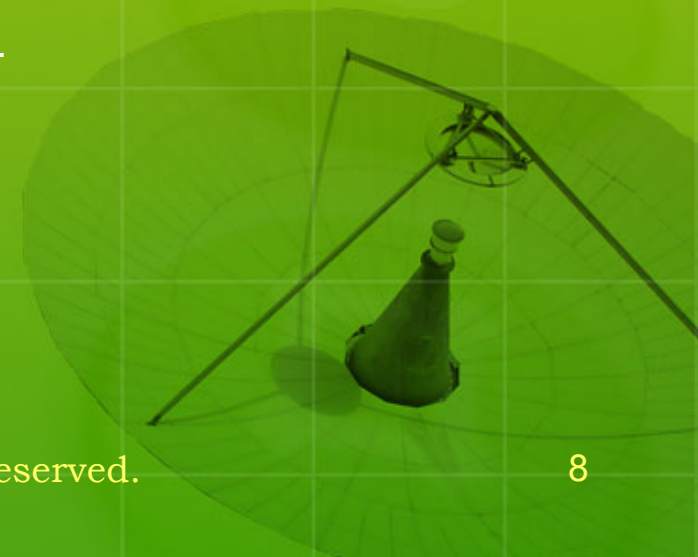
AS number : 17660
AS-MACRO : AS-DRUKNET
Peering email : peering@druknet.bt

LINX

LINX Brocade IPv4 : 195.66.227.57
LINX Brocade IPv6 : 2001:7F8:4:1::44FC:1
Foundry IPv4 : 195.66.225.57
Linx Foundry IPv6 : 2001:7F8:4::44FC:1

HKIX

HKIX IPv4 : 202.40.161.99
HKIX IPv6 : 2001:7FA:0:1::CA28:A163





Bhutan Telecom Ltd

always there for you!

?

