Matrix Cable System (MCS)

Map Of Indonesia and neighboring countries

Map courtesy of Google Maps

- Indonesia comprises of 17,000 islands. With 5 major Islands (Sumatra, Kalimantan, Jawa, Sulawesi and Papua)
- Jakarta is the hub for Indonesia
- Singapore is the telecom hub for S.E.A
- All major cables from Indonesia lands in Singapore: APCN, SMW3 and TIS
- Palapa Ring project: connecting the eastern part of Indonesia

Matrix Cable System

A little history…

- There are 2 incumbent operators: Indosat and Telkom Indonesia

- Indosat control the international service

- Telkom Indonesia control domestic service

- Starting from 2002 monopoly by respective parties were lifted by the government

- Few year later condition permits private company to pull their own sub-sea cables connecting Indonesia to the outside world.

Price Facts

Before

- 1 Mb IP Port $2000<

- IPLC STM1 cost A LOT

- E1 local loop >$2000

Note: all prices in US$ and per month basis

Matrix Cable System

Matrix Cable System Technical Specs

- Co-Owned by Matrix Networks and NAP Info Lintas Nusa
- Designed Capacity 2.5Tb
- Gen 3 Tyco Submarine System
- Distance 1055 km
- 3 BU from Singapore to Jakarta:
  - Batam, Indonesia
  - Kalimantan (Borneo), Indonesia
  - Perth, Australia
- It is a repeater system
- Buried 1-10 meter (SA, DA, LWA)
- Life span 25 years

Matrix Cable System

Price Facts

Before

- 1 Mb IP Port $2000<
- IPLC STM1 cost A LOT
- E1 local loop >$2000

Now

- 1 Mb IP Port +/- $500
- IPLC STM1 price $60,000
- E1 local loop <$1000

Note: all prices in US$ and per month basis

Matrix Cable System

Home Internet Price (March 2010)

	ISP A	ISP B	ISP C
Price	US$20	US$59	US$25
Bandwidth	Up to 1 mbps	Up to 1.5mbps	Up to 3.2mbps
Quota	1 gb	Unlimited	500 mb
Media	ADSL	Via TV Cable	HSDPA

Conclusion

1. Many Indonesia ISP can afford to purchase IPLC to get cheaper IP Port elsewhere (Singapore or Hong Kong)

2. More Tier-1 carrier and content operator setup POP in Jakarta

3. Internet subscription becoming more affordable to many Indonesian

4. Indonesia has more robust international backbone. In Q3 of 2009: 3 major cables was cut at the same time and restoration went to Matrix Cable System

Whats next?

• In January 2010 a MOU was signed with Nextgen Networks (Australia) to extend MCS sub-sea system to Sydney, Australia via Perth.

• This project will connect one of the key 'missing links' in the worldwide mesh network

Matrix Cable System

Question…

Terima Kasih (Thank You)

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