APEN Silk Road Conference 2015



Indonesia ICT Infrastructure Journey

Key Challenges on Optical Silk Road

Arief Mustain Division Head of Digital Service Innovation and Strategy Portfolio Directorate



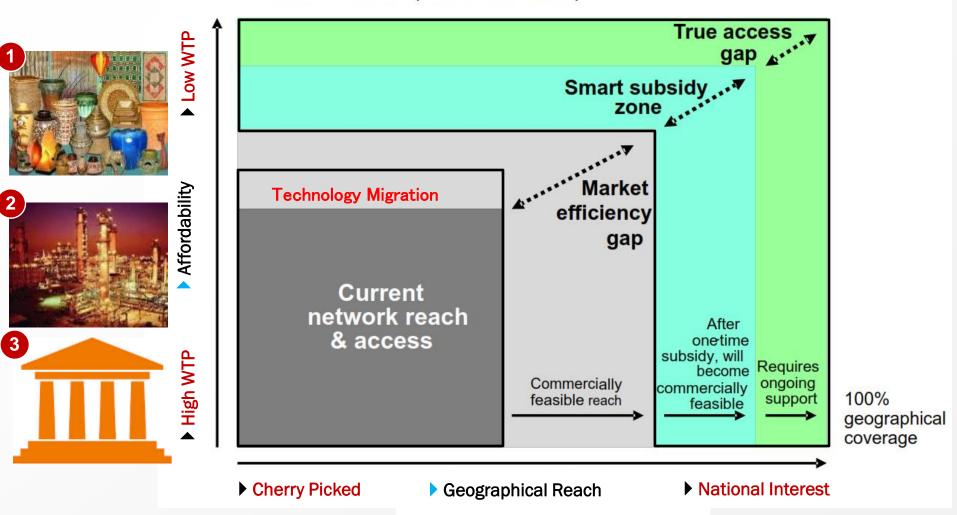




Telko

Indonesia the world in your hand

100% households (universal service)



Source: Intelecon and worldbank

Leapfrog into National Agenda



Strategic Element

A country's leaders are ultimately responsible for defining Broadband as a national interest (e-Leadership)

Broadband be a nation's vital needs or goals

Only the government was convinced that the future survival of the country absolutely depended on their having access to the technology will strive developing National Agenda on it

Current Model



Cherry Picking

Future Model



National Roll Out

Although studies had linked broadband to economic growth, there was no conclusive proof that spreading the latest technology into every corner of the country would be necessary.

Fiber to the Home (FTTH) is not just about speed and doing the same things faster. FTTH enables a wide range of services and applications and brings wider benefits to society and its citizens, the economic health of communities and smart nations.

New Pathway on Industry Structure



Strategic Element

Consolidation on Infrastructure investment as a big opportunity in National Agenda Execution. It allows to achieve greater economies of scale and is crucial for the development of next-generation broadband infrastructure

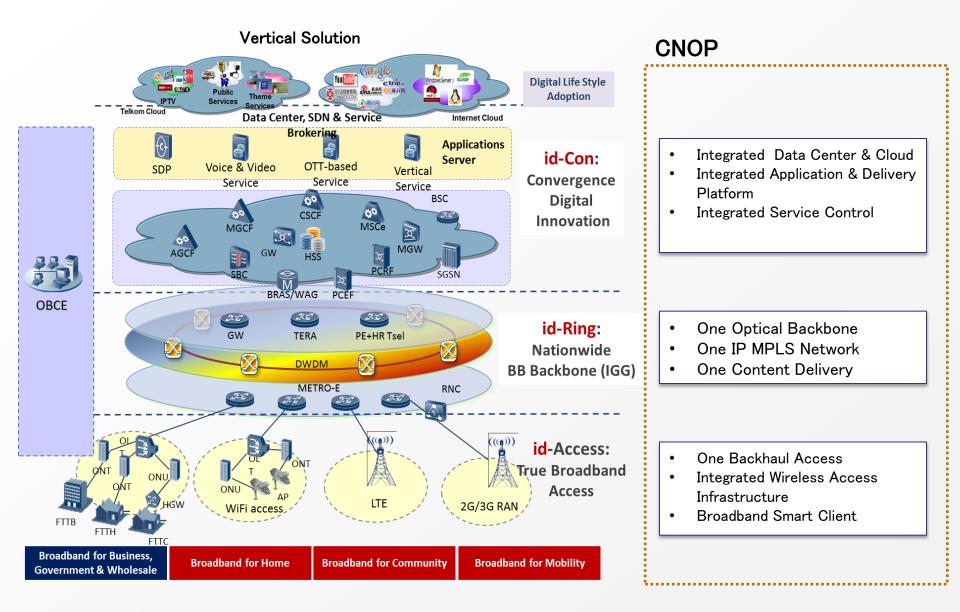
Layered Open Model will be best fit for National Roll Out ?

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Current Model Future Model NP NP NP PIP+NP PIP PIP Vertically Integrated Layered Open Model 1.0 Google **Billion \$** Net Present Value comparison Reggefiber 0.5 -NZ Guifi 0.0 15 5 10 20 years -0.5 -1.0 -1.5

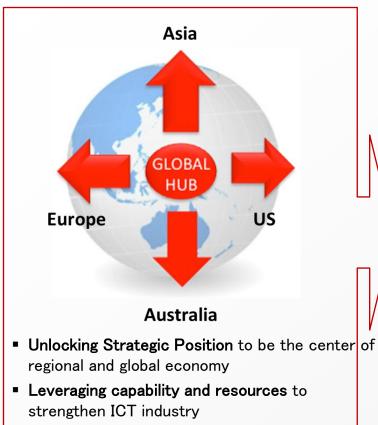
Indonesia Digital Network





Indonesia Global Hub Vision

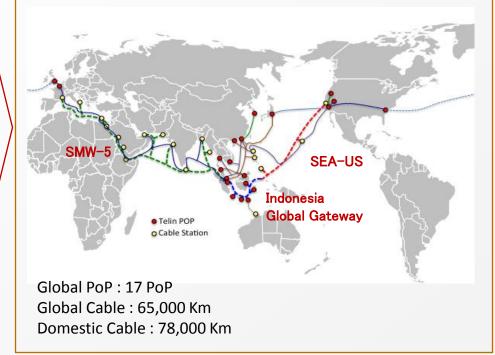




• Building **global competitive** advantage

Towards Indonesia as a Global Hub (2017)

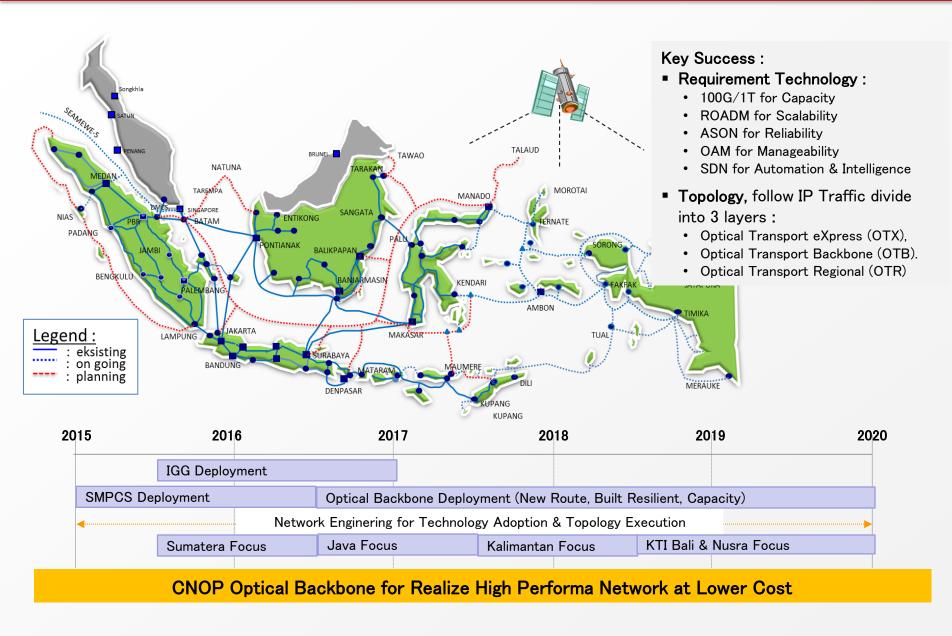
The 1st Step by Implement Indonesia Global Network (IGN) & Indonesia Global Gateway (IGG)





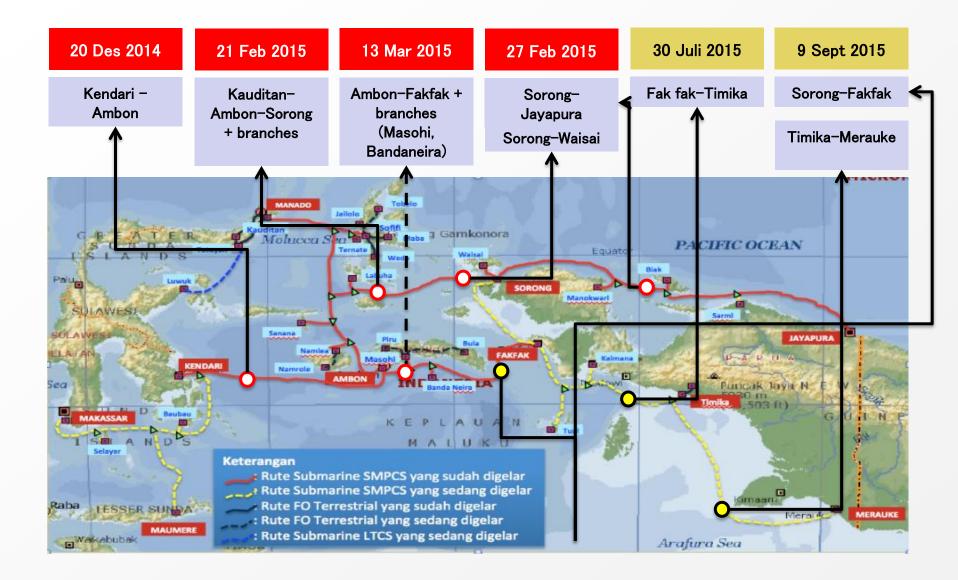
Optical Backbone Transport





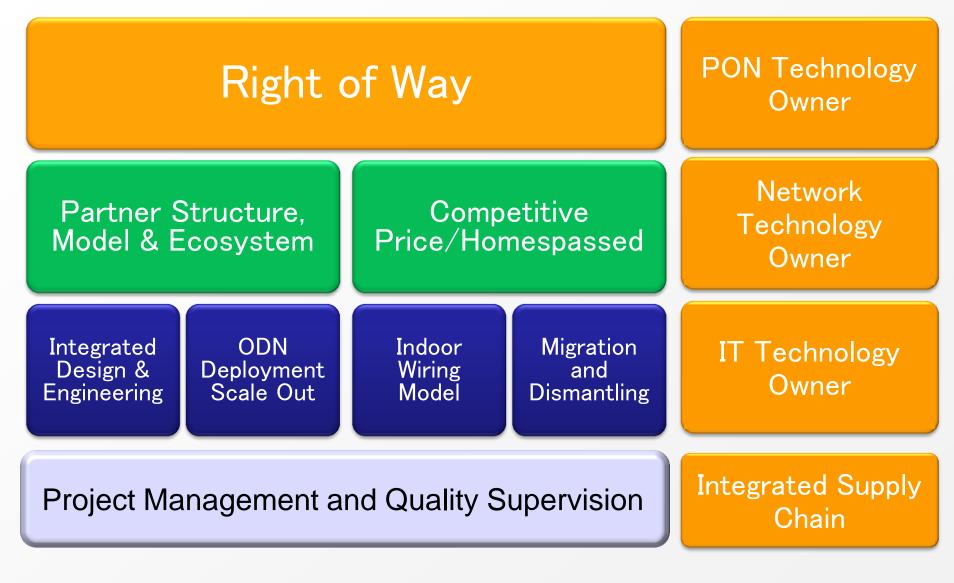
Backbone Masterpiece 2015







Key Challenges of ODN Deployment A Big Picture View of Key Success Factor on Rolling Out Fiber in Indonesia



Terima Kasih