

nucleus
connect

Welcome to Nucleus Connect

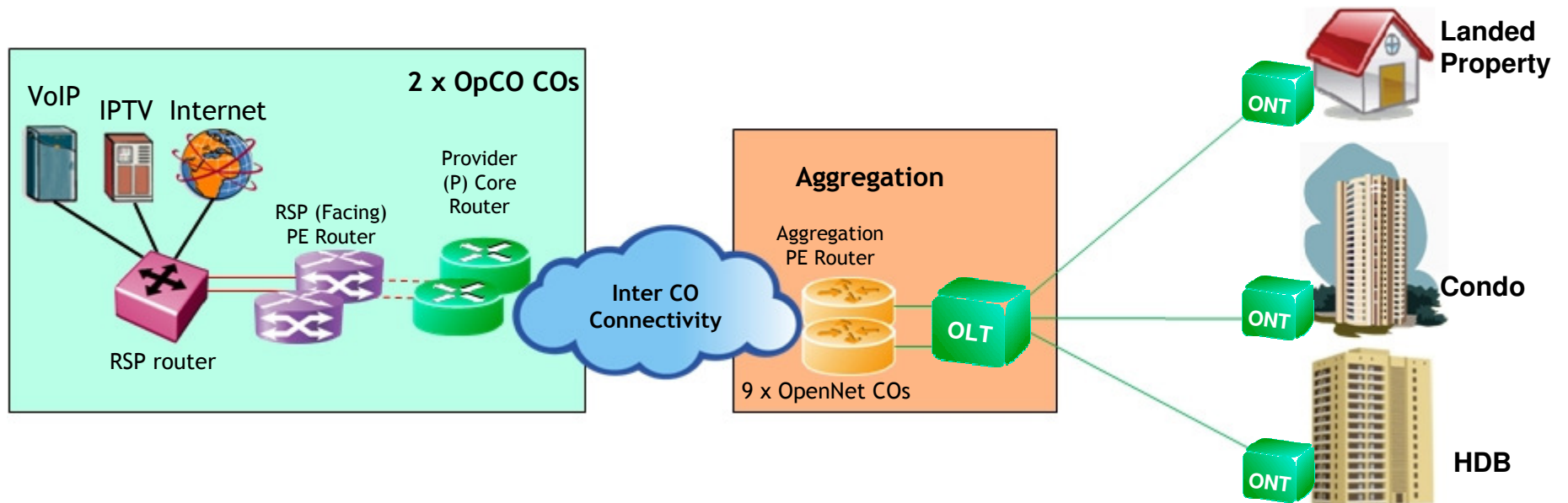
- **Introduction**
- **Overview of network**
- **Services**
- **Open Access Systems**

Nucleus Connect Overview



- **Nucleus Connect was selected to Build and Operate the Active Network in Singapore's Next Generation National Broadband Network (Next Gen NBN)**
- **Nucleus Connect will deploy advanced technologies to enable a comprehensive range of ultra-high speed wholesale broadband services to RSPs**
- **Nucleus Connect will launch commercial operations in Q1, 2010**
- **Nucleus Connect will offer standard pricing to all Retail Service Providers (RSPs) through an Inter Connect Offering (ICO) that will be regulated by IDA.**
- **Nucleus Connect will deploy a Fiber-to-the-Home (FTTH) architecture using GPON and Active Ethernet network elements to deliver broadband services with speeds up to 1Gbps**

Residential Services



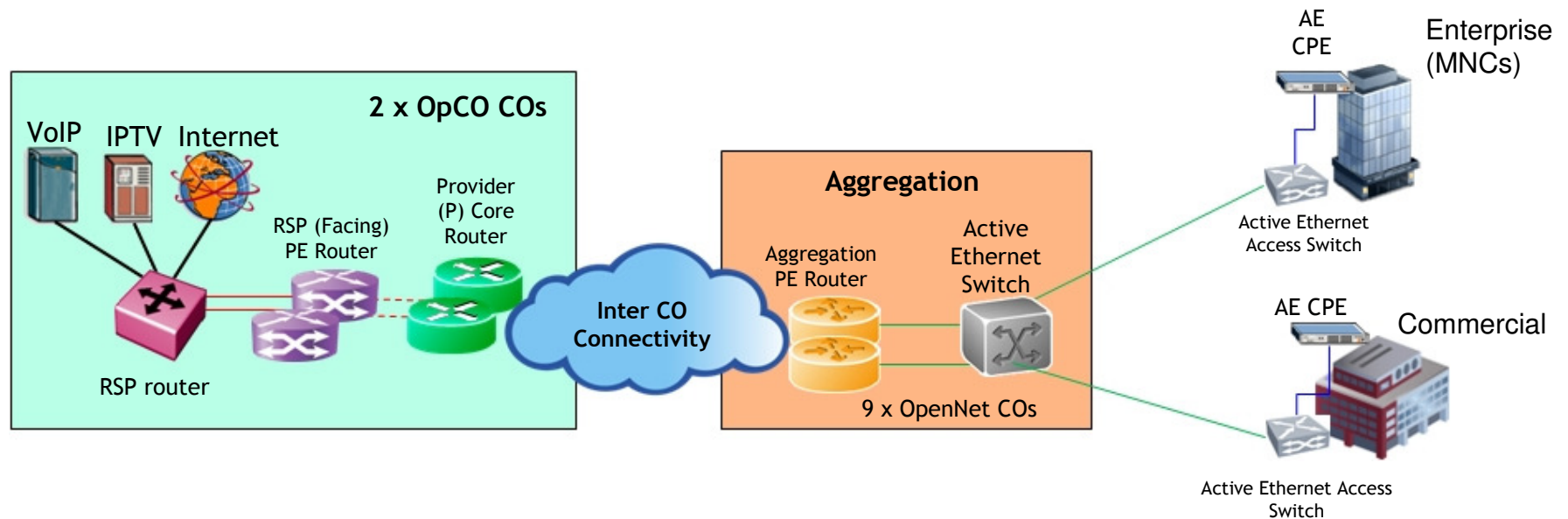
Connections Services

- 100 Mbps Ethernet
- 1 Gbps Ethernet
- Subscribe to different class of services**
 - Best Efforts
 - Real Time
 - Near Real Time
 - Mission Critical

Potential RSP Offerings

- VoIP
- IPTV and Video on Demand (SD and HD)
- High Speed Internet
- Online Gaming
- Video conferencing (e-learning)
- Online storage
- Telemedicine

Non-Residential Services



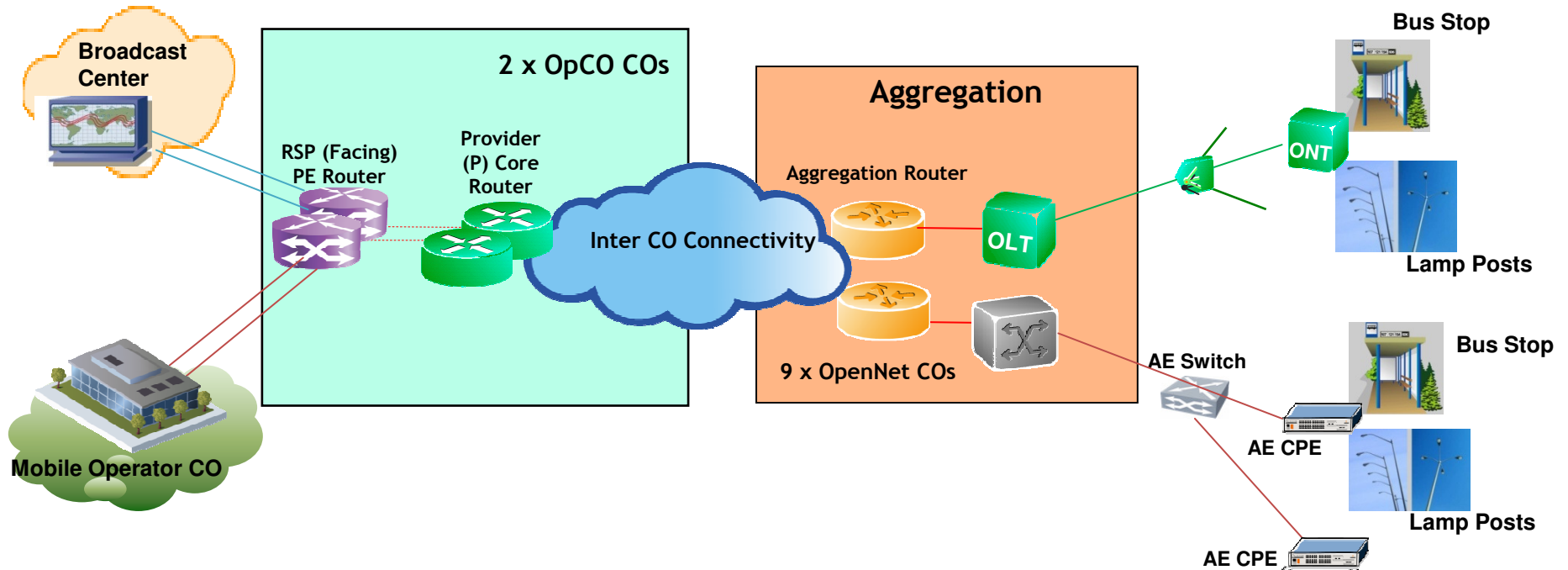
Connections Services

- 100 Mbps Ethernet
- 1 Gbps Ethernet
- Symmetrical bandwidth
- Subscribe to different class of services**
 - Best Efforts
 - Real Time
 - Near Real Time
 - Mission Critical

Potential RSP Offerings

- Voice over IP
- High Speed Internet
- Corporate data usage (VPN, Intranet)
- Video conference, Tele-Presence
- Leased lines
- Software as a Service (SaaS)
- Telemedicine

Non-Building Address Point (NBAP) Services



Connections Services

- 100 Mbps Ethernet
- 1 Gbps Ethernet
- Symmetrical bandwidth
- **Subscribe to different class of services**
 - Best Efforts
 - Real Time
 - Near Real Time
 - Mission Critical

Potential RSP Offerings

- Traffic Monitoring
- Security Surveillance
- Mobile stations backhaul
- Broadcast service (advertisement, notice, etc...)

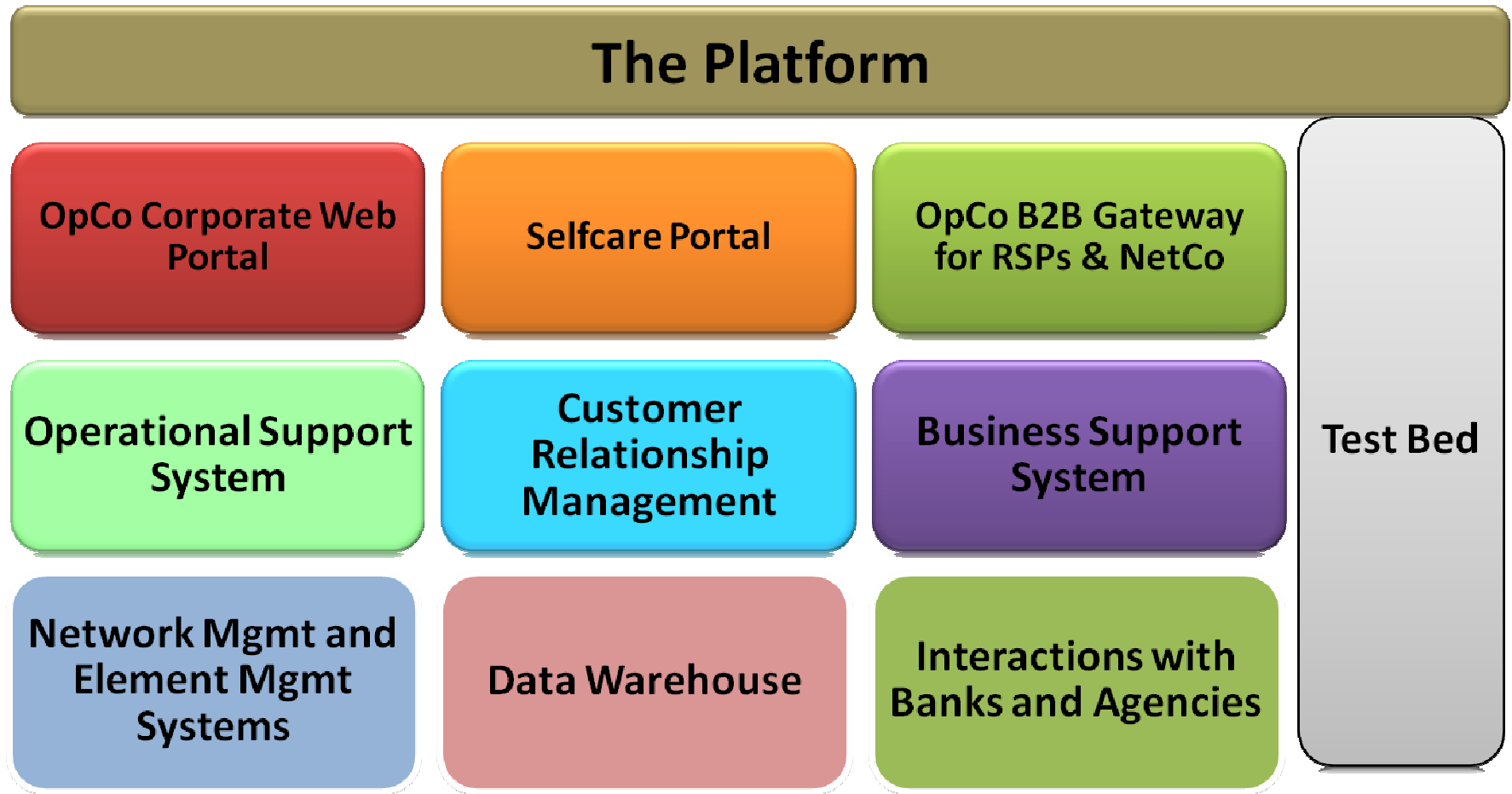


Managed Services

- **L2 VPN Point to Point (VLL)**
- **L3 IP VPN**
- **L2 VPN Ethernet LAN (ELAN)**
- **Co-Location Service**
- **IP Multicast Connection Service**

- The proposed OSS-BSS solution is designed to provide an **Open Access** Platform to enable End-Users, RSP, QP and OpenNet to interact with the Nucleus Connect for ease of delivery of service.
- Being at the heart of the NGNBN eco-system, the proposed OSS-BSS solution is designed with the following business needs:
 - **Deliver Ease of Doing Business**
 - **Empower End Users and Partners**
 - **Efficient end-to-end Services Delivery**

Nucleus Connect's Platform Interfaces



Contact Us



If you have questions, feel free to talk to us or email us at:

contact@nucleusconnect.com