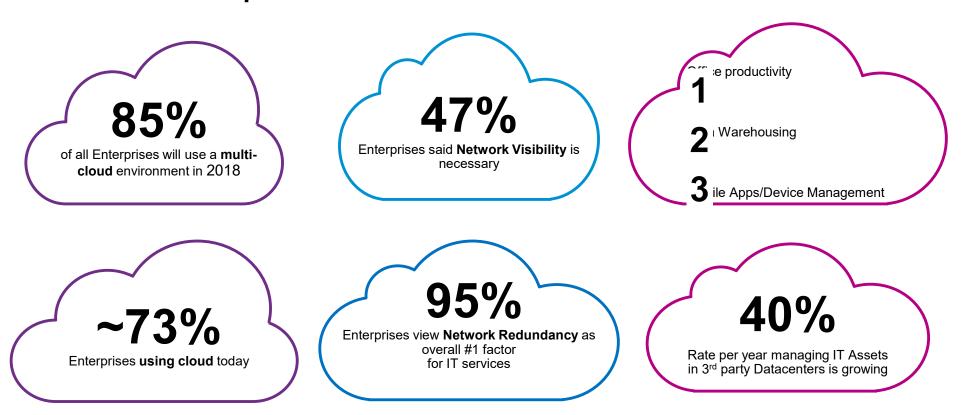
# PACIFIC TELECOM CONFERENCE '23

## **DISASTER RECOVERY**

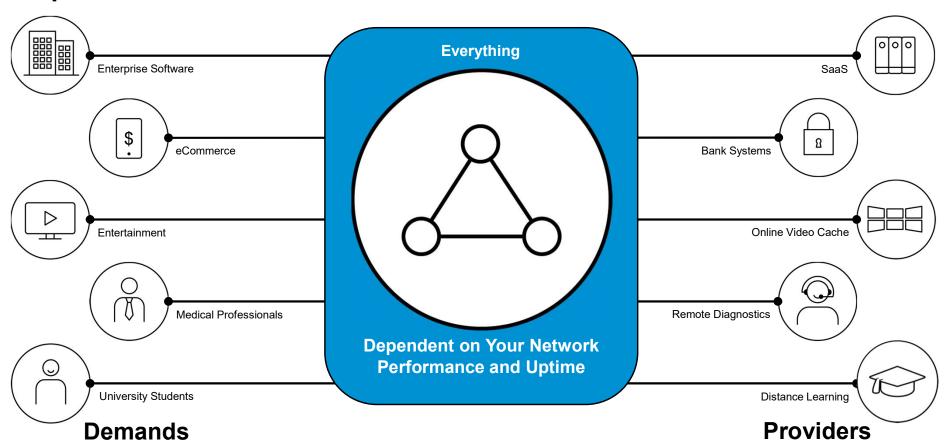


#### Networks must cope with this shift to the Cloud



The Enterprise values Reliability and is prepared to pay More

### **Enterprise and Consumer Cloud Trends**



#### **Enterprise apps rely on Quality Connections**

**Low Latency** 

Mission Critical

Highly Available



190

Countries

60 Million

Business and Consumer Customers



137

Countries

137.5Mio

**Passengers** 





2 of 3

Students

50,000

Online Courses



196

Countries

**1.4 Mio** 

**Business Customers** 

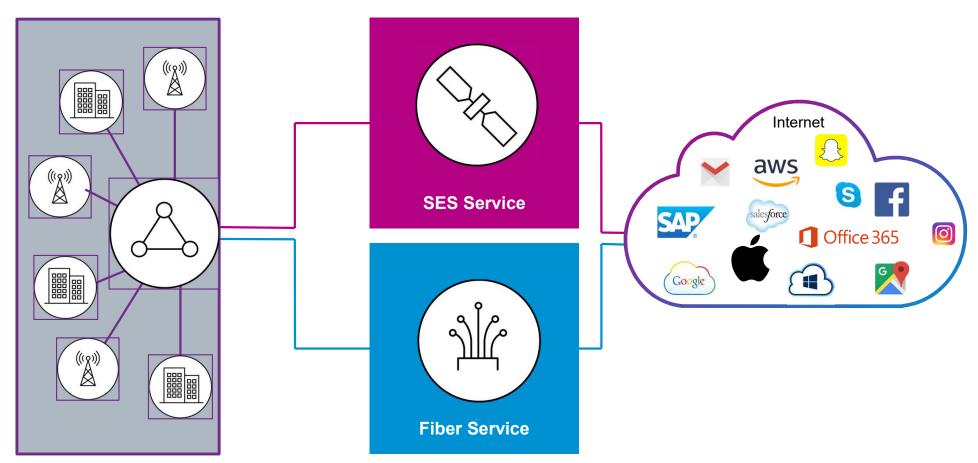


Customers

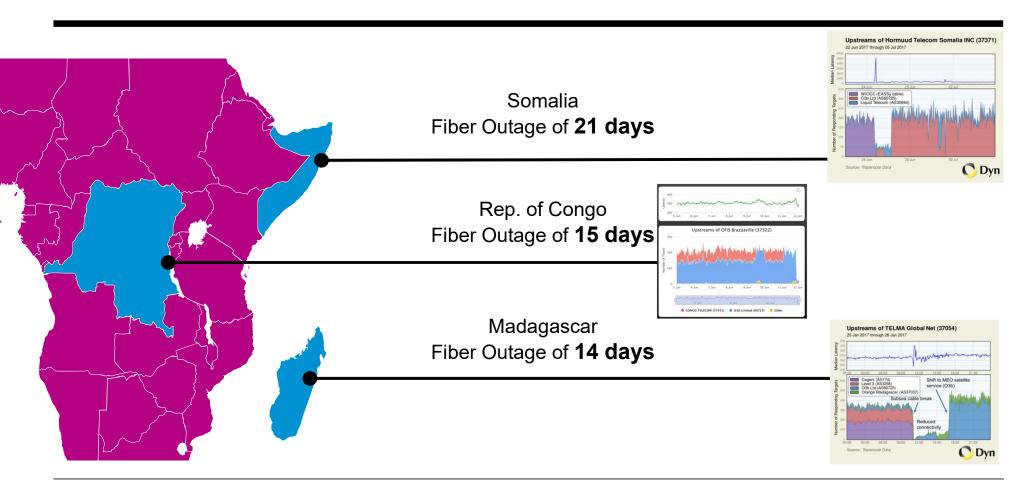
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Sources: Microsoft, SAP

**SES<sup>A</sup>**Connectivity must be Redundant, Resilient and Visible



### **SES Ensuring Uptime for critical outages in Africa**



#### **Disaster Recovery – range of preparedness**

- ▲ DR preparedness tends to be a function of:
  - · Mission and operation criticality
  - · Geographic and economic exposure
  - Budget/value proposition
- ▲ Telecommunication DR solutions involve quick deploy and/or resilient systems both wireless & satellite
- ▲ SES satellite services support a range of DR preparedness solutions Proactive and Reactive





#### **Community Response**

- ▲ SES Space & Defense (formerly Government Solutions) partnered with SimbaCom in support of the AWS Disaster Recovery program Lee County, Florida
- ▲ Multiple deployable User Terminals were implemented to provide the SES O3b MEO service high-throughput, low-latency broadband services to the community
- ▲ AWS with SES was able to provide interim broadband connectivity to the following sites:
  - Florida Department of Financial Services (Insurance claims)
  - · Distribution Centers
  - Fuel Relief Fund distribution of emergency fuel



# BEFORE EVENT AFTER

#### **First Responders**

- ▲ SES partnered with Microsoft, Pegatron and Wave-in to demonstrate a quick deploy Private 5G solution for a City Fire Department to respond to events
- ▲ Multiple deployable User Terminals were implemented to enable the Fire Department to deploy Private 5G bubbles to operate securely their various media devices in response to a natural disaster



# BEFORE EVEN AFTER

#### **Business Continuity**

- ▲ In the wake of hurricane Maria, a large multinational customer engaged SES to develop Business Continuity solution that would restore services right after an event
- ▲ SES developed and delivered a hardened user terminal that can withstand hurricane force winds and enable restoration to O3b's MEO service to provide high-throughput (>100 Mbps) and low latency (<150ms)
- Customer is able to restore services and continue to move large data files after (during) an event



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# BEFORE AFTER

#### **Network Resiliency**

- ▲ SES supported a partner to implement a high throughput, low latency hybrid network solution (fiber and MEO) to provide high availability for critical workloads that were being managed in the cloud
- ▲ In addition to the MEO service diversifying the fiber connectivity, the parties further diversified the MEO service with multiple user terminals



#### **SES Networks O3b Offers**

#### **Our solution**

Geographically diverse routing end-to-end

Combined fiber and wireless access low latency redundancy

Full diversity with automatic re-routing

Optimized access to content

#### Your benefits

Guaranteed performance with the highest availability

Reduced primary route spending to cover spikes in capacity demand

Reduced contention of primary route capacity through non-user generated traffic offloading

New revenue streams through enablement of new cloud based value added services