NORTHERN SKY RESEARCH

The Leading Global Consultancy in Satellite & Space

2021



Industry Leading Market Research & Consulting Services for Satellite and Space Clients Around the World

Clients Across the Value-Chain



Finance Industry (PE, Bank, Funds, ECA, Debt) Startups EO and Data Analytics Software/Hardware ANY Aspect of Satellite/Space



January 2021

Cloud: A Foundational Shift

Satellites and the Cloud

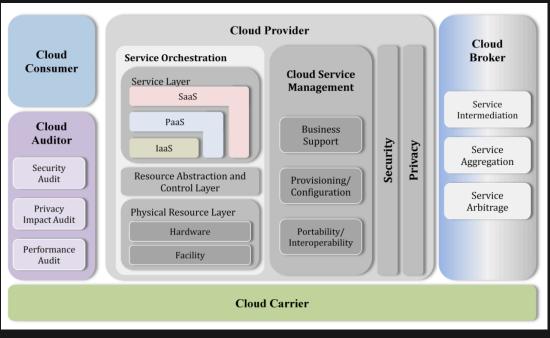


An Industry in Transition

Self Managed Service Provider Managed					
Traditional/ On-Premise	Co-location	laaS	PaaS	SaaS	
Applications	Applications	Applications	Applications	Applications	
Data	Data	Data	Data	Data	
Middleware	Middleware	Middleware	Middleware	Middleware	
O/S	O/S	O/S	O/S	O/S	
Virtualization	Virtualization	Virtualization	Virtualization	Virtualization	
Physical Servers	Physical Servers	Physical Servers	Physical Servers	Physical Servers	
Network & Storage	Network & Storage	Network & Storage	Network & Storage	Network & Storage	
Data Center	Data Center	Data Center	Data Center	Data Center	

Source: NSR

A paradigm shift is underway

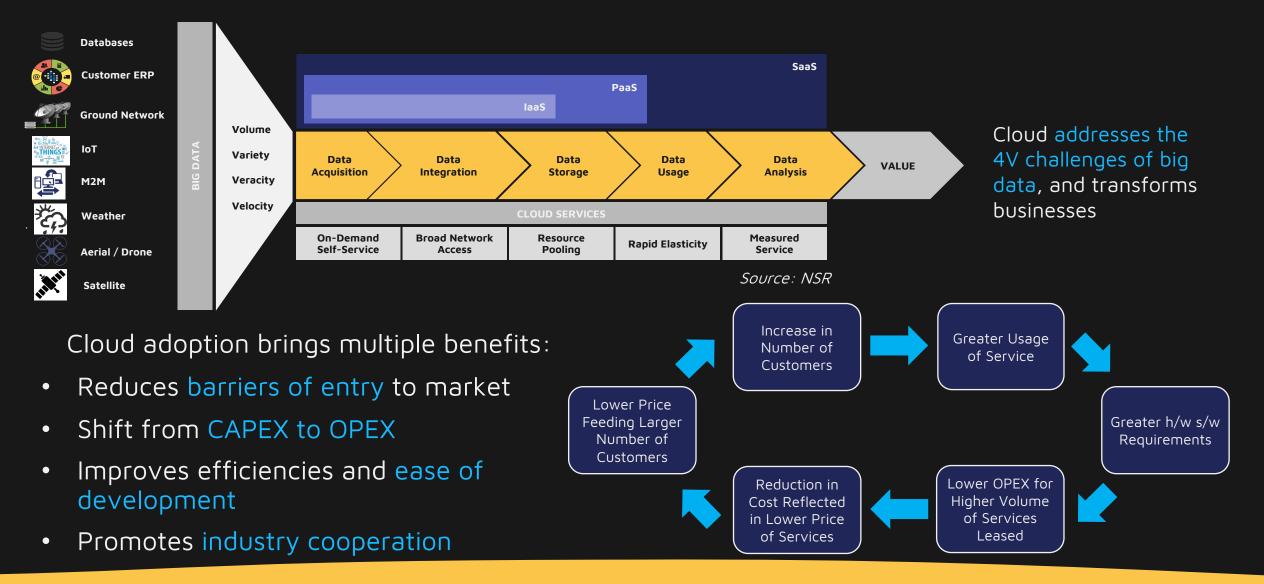


Source: NIST

Cloud will be a critical component that ensures satellite players remain competitive

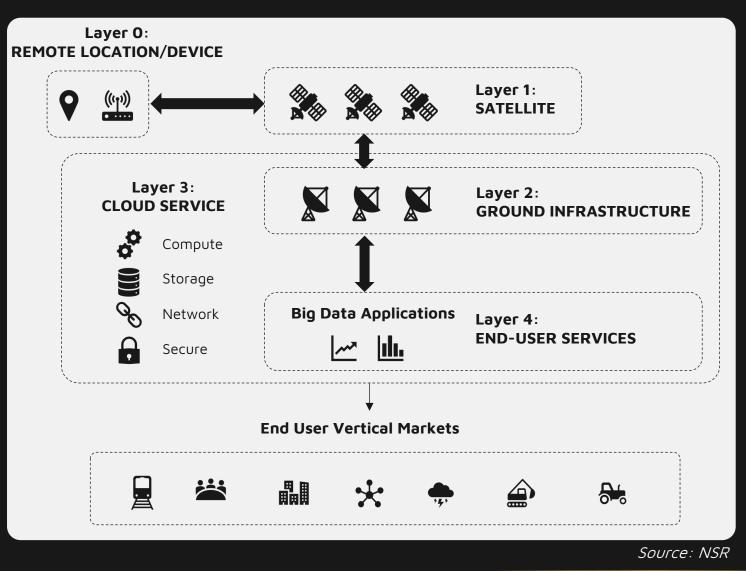


Cloud is a Satellite (Big Data) Enabler





Digitization across the Satellite Value Chain



Digitization is less about blanket cloud adoption and is more a strategic imperative:

- Business agility
- IT flexibility

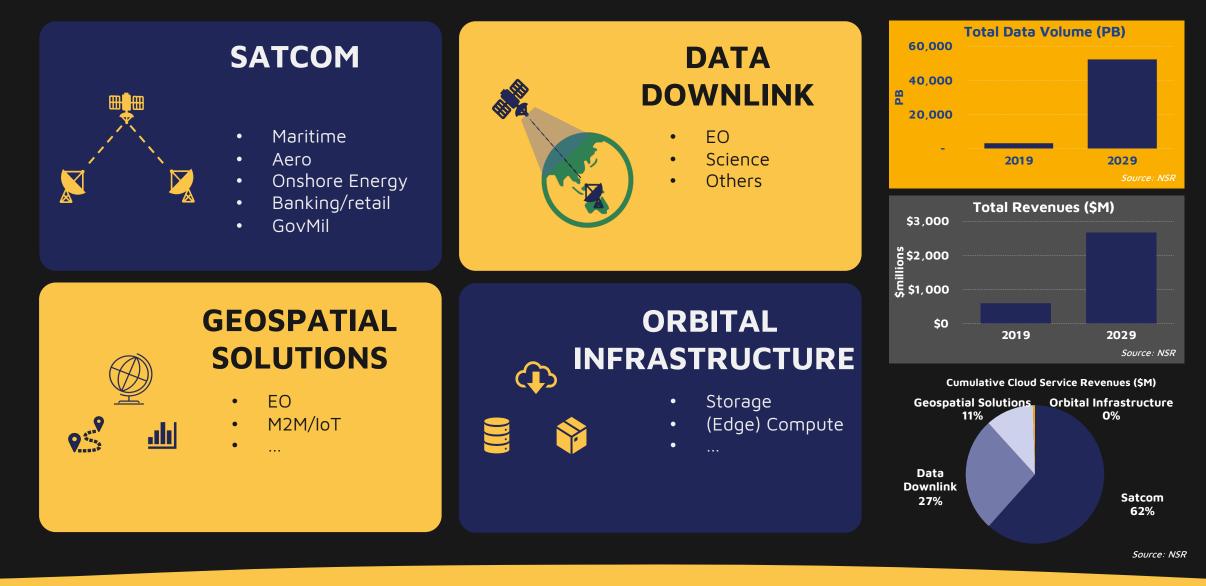
Cloud solutions blur demarcations in the traditional satellite value chain, effectively decoupling satellite hardware and software.



Visit <u>www.nsr.com</u> for more details

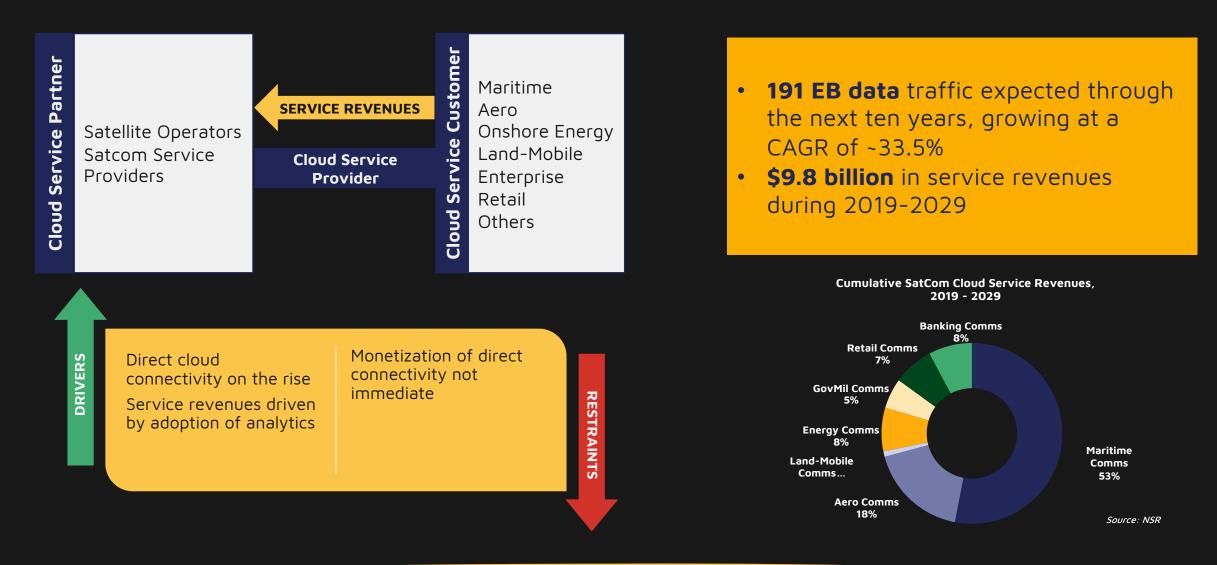


Applications are Wide Ranging



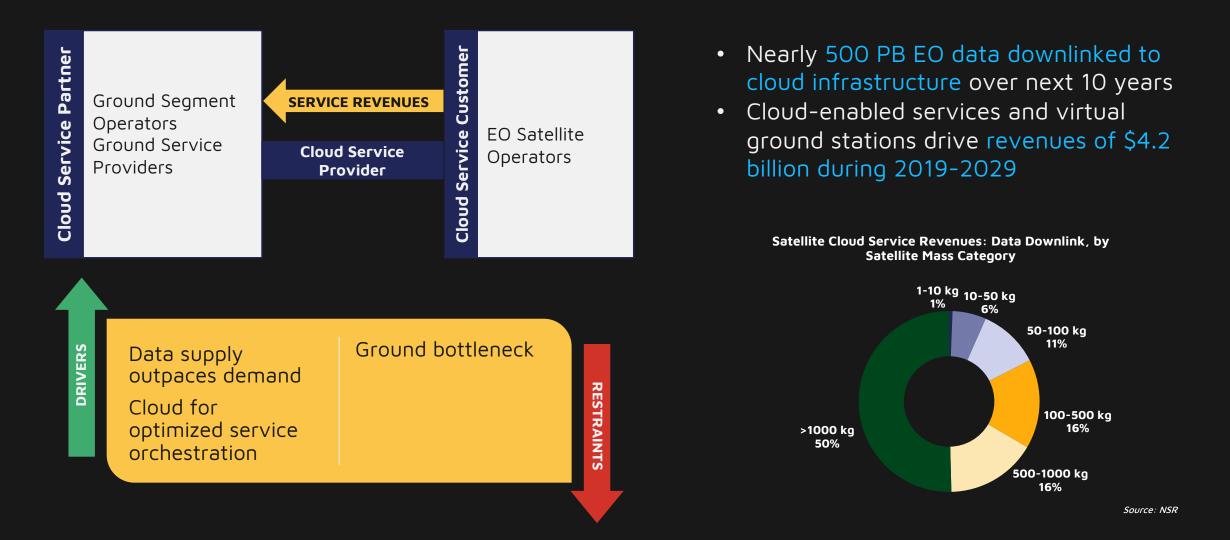


Satellite Communications is Where it Rains



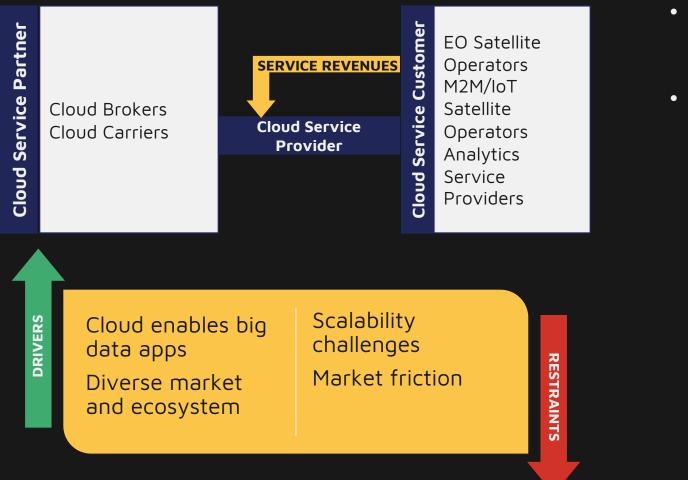


Data Downlink: EO Building Steam



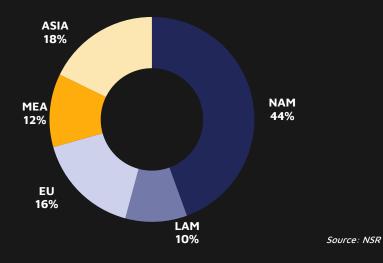


Geospatial Solutions: By the Buckets



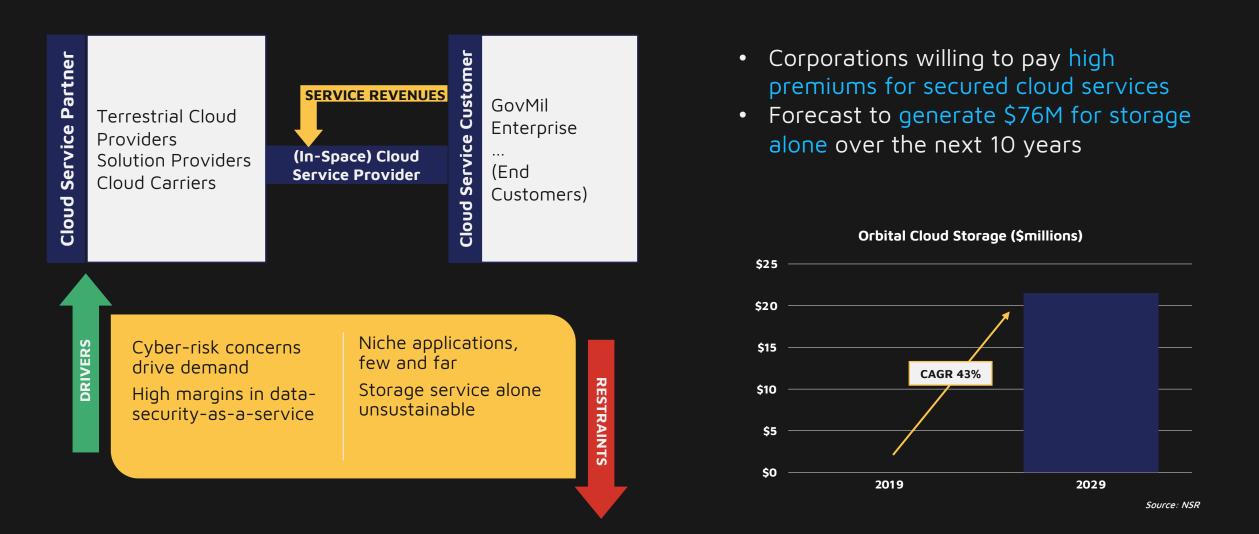
- Leverage cloud for development of applications and platforms for satellite data end users
- Cloud service revenues forecast to cumulatively approach \$1.8 billion through next decade

Satellite Cloud Service Revenues: Geospatial Solutions, by Region





Orbital Infrastructure: Early Years





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