

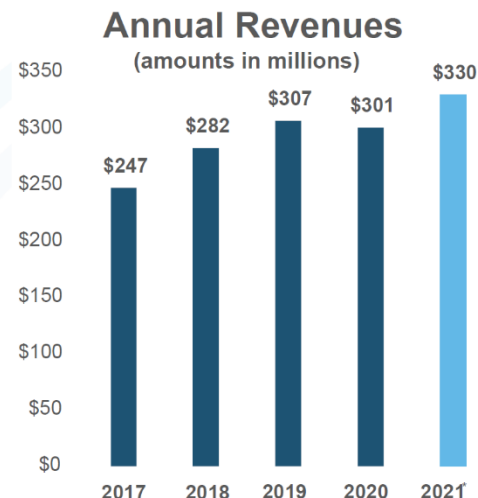
DZS Corporate Update

June 2021

A Global Leader in the development of innovative packet-based Mobile Transport, Broadband Connectivity and Cloud-Native Software Defined Networking solutions

Mobile Transport and Broadband Connectivity Pure-Play:

- Incumbent to ~750 Tier I and Alternate Service Providers
- Favorable Secular and Geo-Political tailwinds
- ~\$15B Total Addressable Market in 2020 grows to \$24B in 2024 (9.3% CAGR)



*2021 revenues reflect the midpoint of guidance as of May 3, 2021

Business & Technology Highlights:

- Visionary Management Team with a proven track record, delivering standard setting innovation, exponential growth and financial results
- Three consecutive quarters of Record Orders, Backlog, Revenue and Margin Expansion
- Two recent technology Acquisitions (mobile transport, software defined networking/automation) – Potential for significant future upside via amplified expansion playbook and operational streamlining
- Recent Follow-on Equity Raise of \$64M in Gross Proceeds

Supplier to Many of World's Leading Service Providers



5G O-RAN Innovator
Mobile xHaul

Market Leader in **Next Generation 10Gig PON (XGS / 10GE)**

Regional Leader in **Broadband Connectivity and 5G Mobile transport** to South Korea and Japan

Software Defined **Networking and Automation Disruptor**



**Source: Omdia (Fiber and Copper Access Equipment: Revenue 4Q20 2017-Present), Results are not an endorsement of DZS. Any reliance on these results is at the third-party's own risk*

Mobile Transport & Broadband Connectivity Portfolio



Orchestration & ANALYTICS

A powerful end-to-end intelligence software portfolio delivering network orchestration, automation, 5G slicing, advanced data analytics and service assurance management

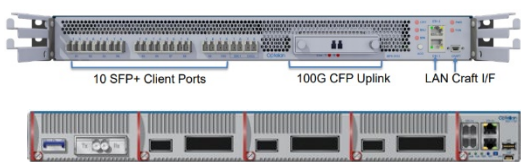


MOBILE Transport

Innovative and agile mobile transport solutions enabling more capacity, coverage and QoS



10G - 400G ZR+ outside plant / network edge hardened optical transport system



Broadband CONNECTIVITY

Market first 10G PON FTTx solutions delivering ultra-high speed Internet services



PoLAN solutions delivering security, reliability, cost and space savings for Fiber-based enterprises



Connected PREMISES

Enterprise ONTs



GPON ONTs



XGS PON ONTs



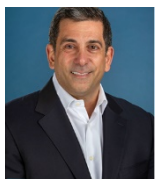
Fixed Wireless



~750 Active Customers Balanced Across Americas, EMEA, Asia



Experienced and Trusted Leadership Team



Tom Cancro
Chief Financial Officer



Jay Hilbert
EVP AEMEA Sales



Bill Ko
EVP Asia Sales



Geoff Burke
Chief Marketing Officer



Laura Larsen-Misunas
Chief People Officer



Michael Martin
Global Operations Officer



Charlie Vogt
President & CEO



Justin Ferguson
Chief Legal Officer



Keith Nauman
SVP Services



Darrin Whitney
Chief Information Officer



Andrew Bender
Chief Technology Officer



Daniel Won
Chief Product Officer



Miguel Alonso
VP of Product Line Management



Doron Paz
VP of Research & Development



Noel Charath
SVP Cloud Services

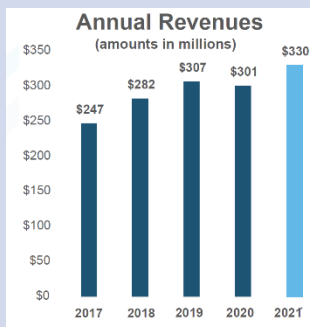


Business Highlights



Record Revenue

- 3 consecutive record revenue quarters



Mid-point of guidance as of May 3, 2021

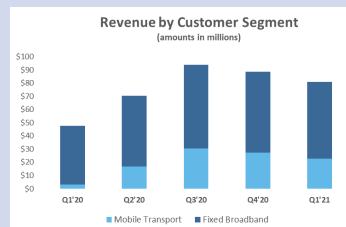
Record Orders and Backlog

- \$117M Q1'21 represents the best quarter ever
- \$116M Q1'21 backlog represents the most backlog ever
- Backlog increased 50% QoQ



Diversification

- Mobile Transport increased 635%
- NA orders increased 85% QoQ / 138% YoY
- EMEA orders increased 60% YoY



Equity Offering

- Executed \$64M equity offering, 4x oversubscribed
- Equity raise designed to enable agility and flexibility for growth



Significant Events

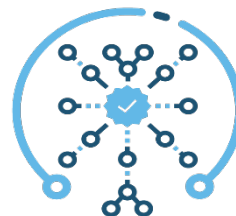
- Surpassed 1.5M Mobile Transport ports shipped
- Acquired Optical and SDN technology innovators



Alignment with Secular Mega-Trends



Fiber Deep
Leveraging an Unlimited
Waveguide



Open Standards
Open and Disaggregation
Network solutions



Mobility and 5G
Densification and Ultra
Low-Latency



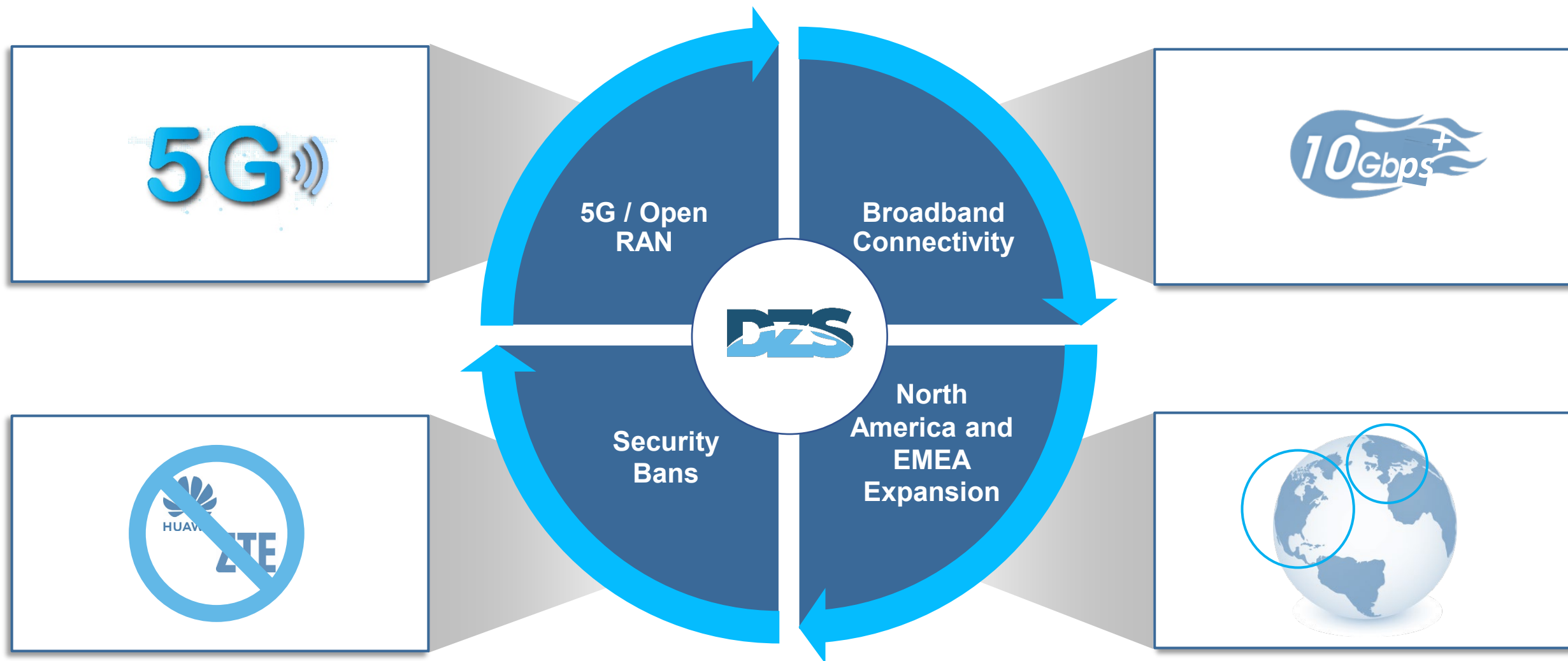
**Cloud /
Data Center**
Applications and
Analytics



**Connected
Everything**
Proliferation of
Broadband-ready
Devices, Wi-Fi6
and Mesh

Enabling a Hyper-Connected World

DZS Growth Pillars



Mobile Transport Solutions



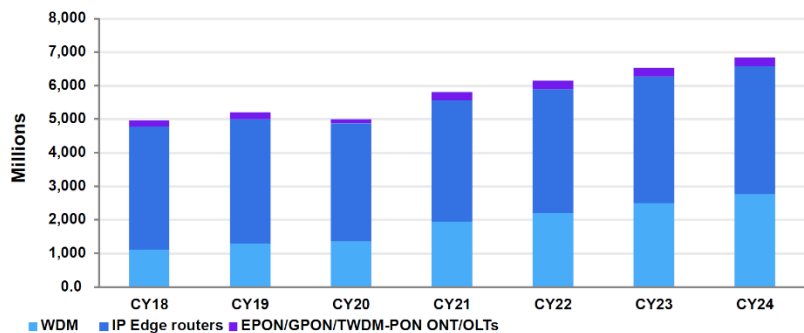
Business Drivers

- 4G to 5G Upgrade Cycle
- Rapid adoption of Open RAN
- O-RAN Validation from Rakuten Mobile (4M+ subs)
- Leadership in 5G Fronthaul, Mid-haul and Backhaul Technology

Market Size

- \$7.1B Revenue forecast for Mobile Backhaul Equipment (Omdia) up 28% vs. FY2020
- \$1.1B Revenue forecast for Mobile Fronthaul Equipment (Omdia) up 116% vs. FY2020
- Fronthaul drives ~40% increase in backhaul TAM

Mobile Backhaul Equipment Revenues by Select Technologies



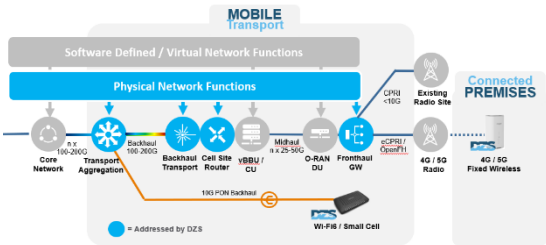
Source – Omdia, Macrocell Mobile Backhaul Equipment Market Tracker 2H20 Database, Market size in terms of revenue, December 2020, Results are not an endorsement of DZS. Any reliance on these results is at the third-party's own risk.

Recent Results

- 635% YoY Revenue Growth
- 1.5M Mobile xHaul ports shipped
- Major Customers Include:



5G Mobile Network



Broadband Undergoing Historic Upgrade Cycle



Business Drivers

- Symmetrical Broadband Services
- 10-25Gbps Upgrade Cycle
- ~\$120B of Broadband Initiatives
- Hybrid Work From Home
- FiberLAN (Enterprise)
- Reoccurring SDN/Automation Software License Model
- Reoccurring SLA Model

Market Size

- \$12.3B Revenue forecast for Broadband Access Equipment (Omdia) up 50% vs. FY2020
- \$8.7B SAM (Excluding China), forecast up 56% vs. FY2020

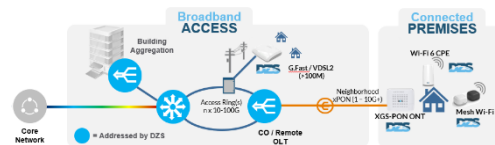


DZS Results

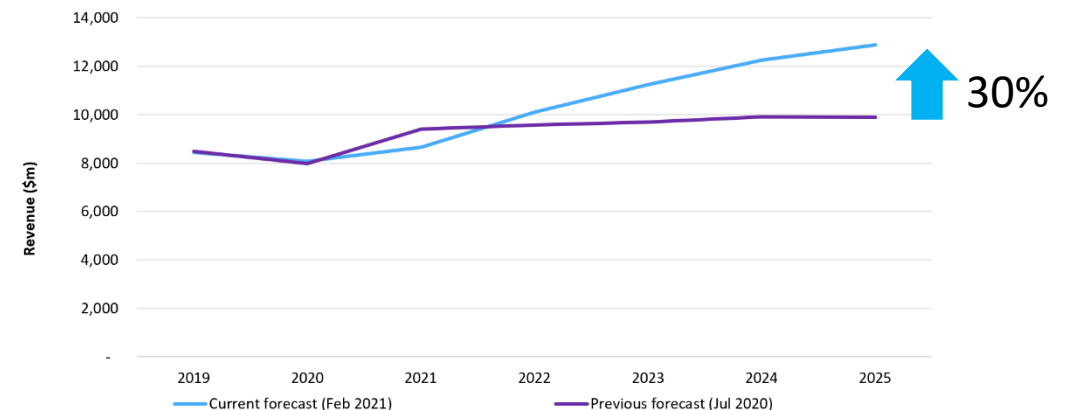
- 30% YoY Revenue Growth in Broadband Connectivity Segment
- 24 New Customers



FTTx Network Diagram



Wireline broadband access equipment revenue –
PON + P2P + DSL/Gfast: this year's forecast vs. previous forecast (published Jul 2020)



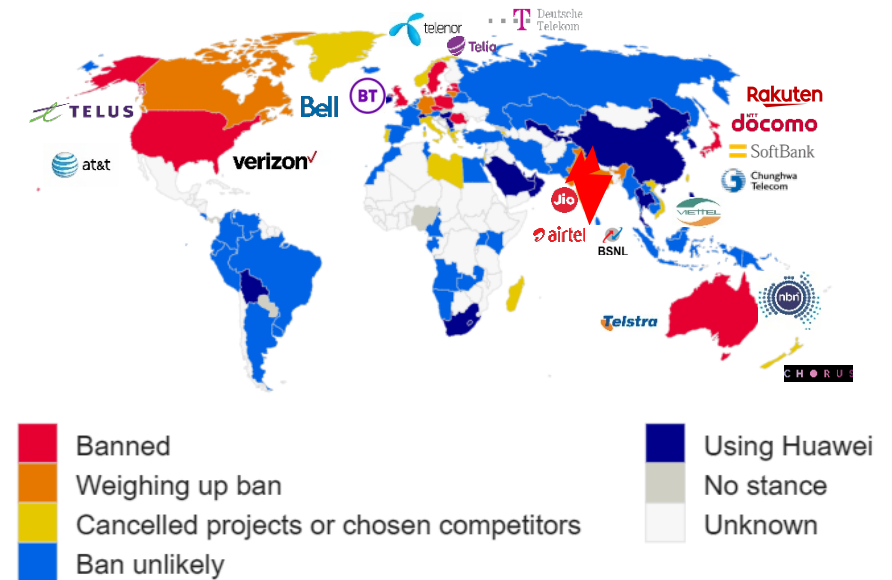
Source: Omdia, Fiber and Copper Access Equipment Forecast, February 2021. Results are not an endorsement of DZS. Any reliance on these results is at the third-party's own risk.

Security Environment Creating Investment Cycle



- Chinese suppliers represent ~60% of global market, representing a generational opportunity for cap & grow, replacement and future expansion
- Banned countries represent nearly 50% of global communications equipment spend

- U.S, Japan, Australia, UK, and India are among over a dozen countries that have banned China suppliers with many other countries evaluating



Source: New Statesman (NS Tech) and DZS Analysis.

North America & EMEA Take-Share Opportunity



Business Drivers

- FTTx 10G+ Upgrade Cycle
- Phase I \$9.2B RDOF awarded – orders expected during 2H'21
- \$100B Biden Broadband Internet Infrastructure Bill
- European countries undergoing cycle from copper to fiber
- 7-10 year 5G Upgrade Cycle, O-RAN creating opportunity

Market Size

- \$12.3B Revenue forecast for Broadband Access Equipment by FY2024 (Omdia):
- NA/EMEA: 43% growth to \$5.6B
- \$7.1B Revenue forecast for Mobile Backhaul/Fronthaul Equipment (Omdia)
- NA/EMEA: 25% growth to \$3.2B

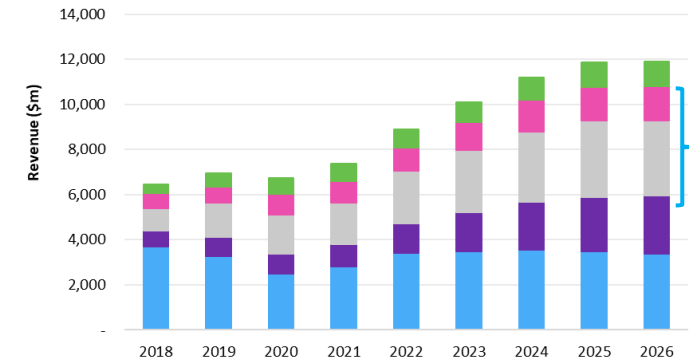
DZS Results

- North America delivered 85% sequential and 138% YoY order growth in Q1'21
- North America delivered 16% sequential and 85% YoY revenue growth in Q1'21
- EMEA delivered 58% YoY order growth in Q1'21

AEMEA Customers



PON equipment revenue by region/country



Source: Omdia

Legend: Latin America & the Caribbean (Green), North America (Pink), EMEA (Grey), Asia & Oceania (excl. China) (Purple), China (Blue)

Source: Omdia, Fiber and Copper Access Equipment Forecast, February 2021. Results are not an endorsement of DZS. Any reliance on these results is at the third-party's own risk.

North America and EMEA represent 2 of the world's fastest growing PON markets

North America & EMEA Take-Share



Leading with Innovation and Customer First Culture



Orchestration & ANALYTICS



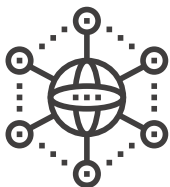
Automation
Service
Orchestration
Life Cycle Mgmt



5G Slicing
Analytics
AI / ML



MOBILE Transport



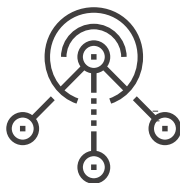
5G Mobile
xHaul
100G



Enhanced O-RAN
100G/200G/400G



Broadband CONNECTIVITY



Access Nodes
Switching/Routing



Cloud
Disaggregation



Connected PREMISES



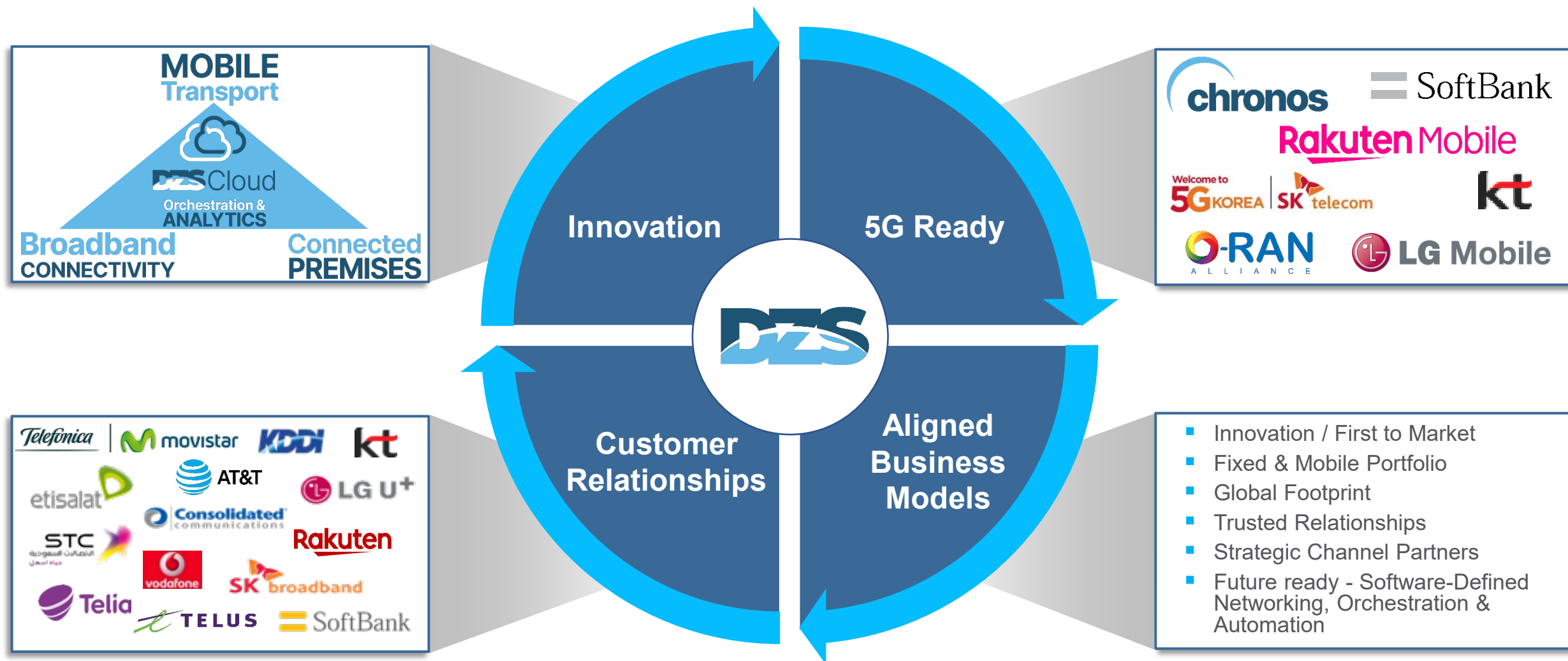
Wi-Fi 6
ONT/ONU



5G mmWave
Fixed Wireless



Why Customers Partner with DZS

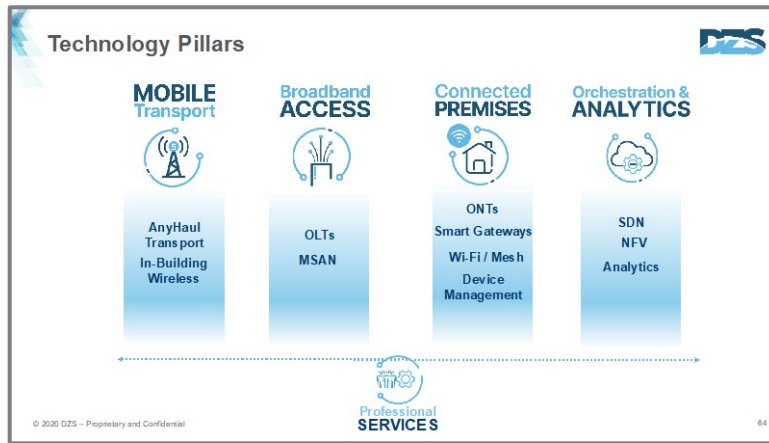




Product Solution Review

Technology Pillars

- Mobile Transport
- Broadband Access
- Connected Premises
- Orchestration and Analytics



Target Markets/Customers

- Focus on Service Providers Globally



Company Status

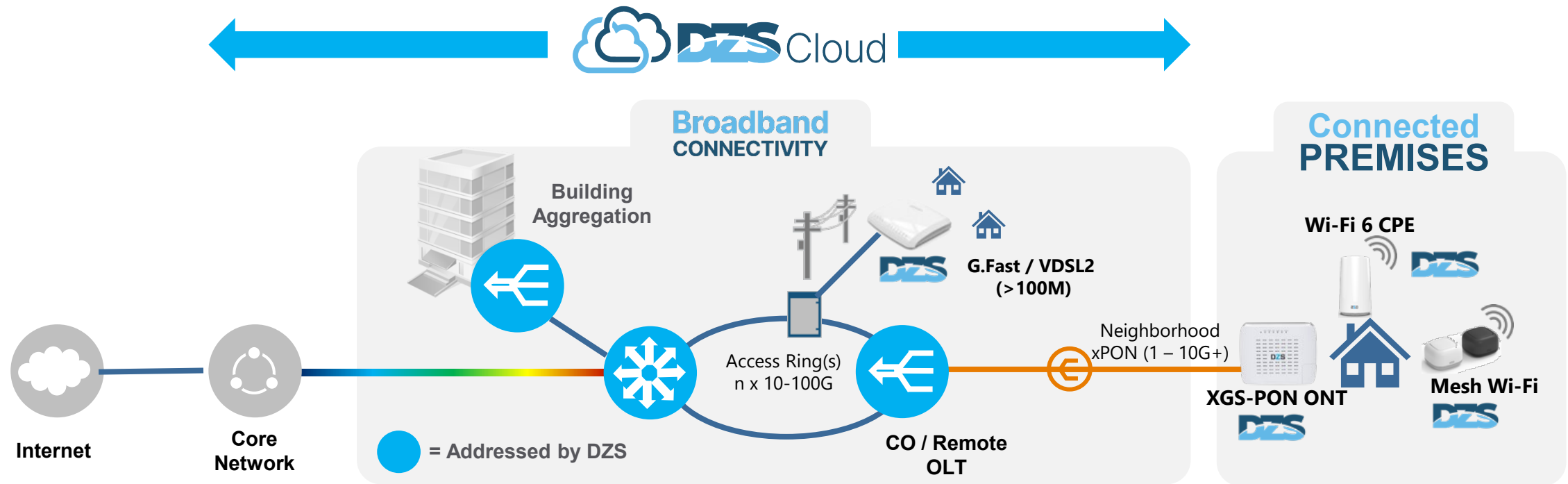
- Trusted supplier with a strong financial and business outlook



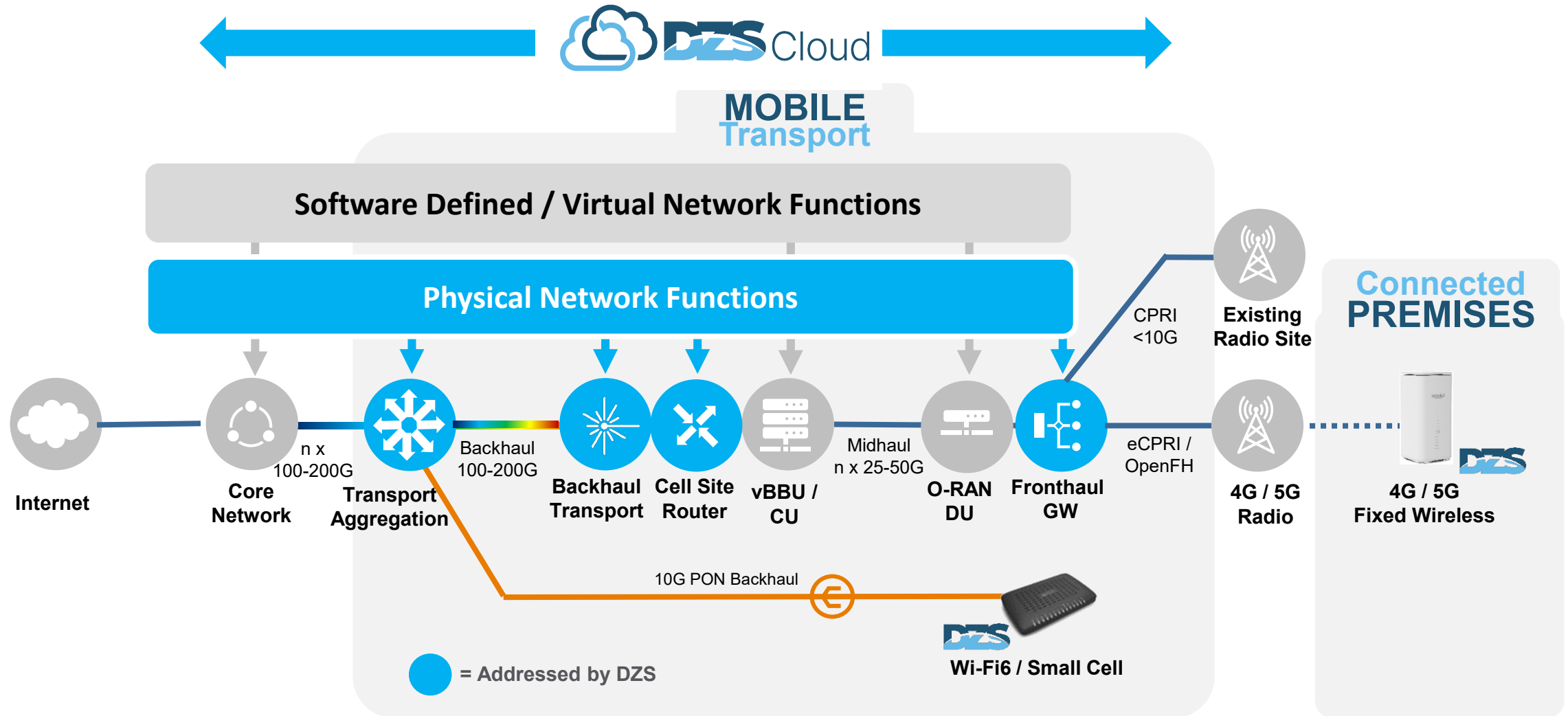
Embracing Open



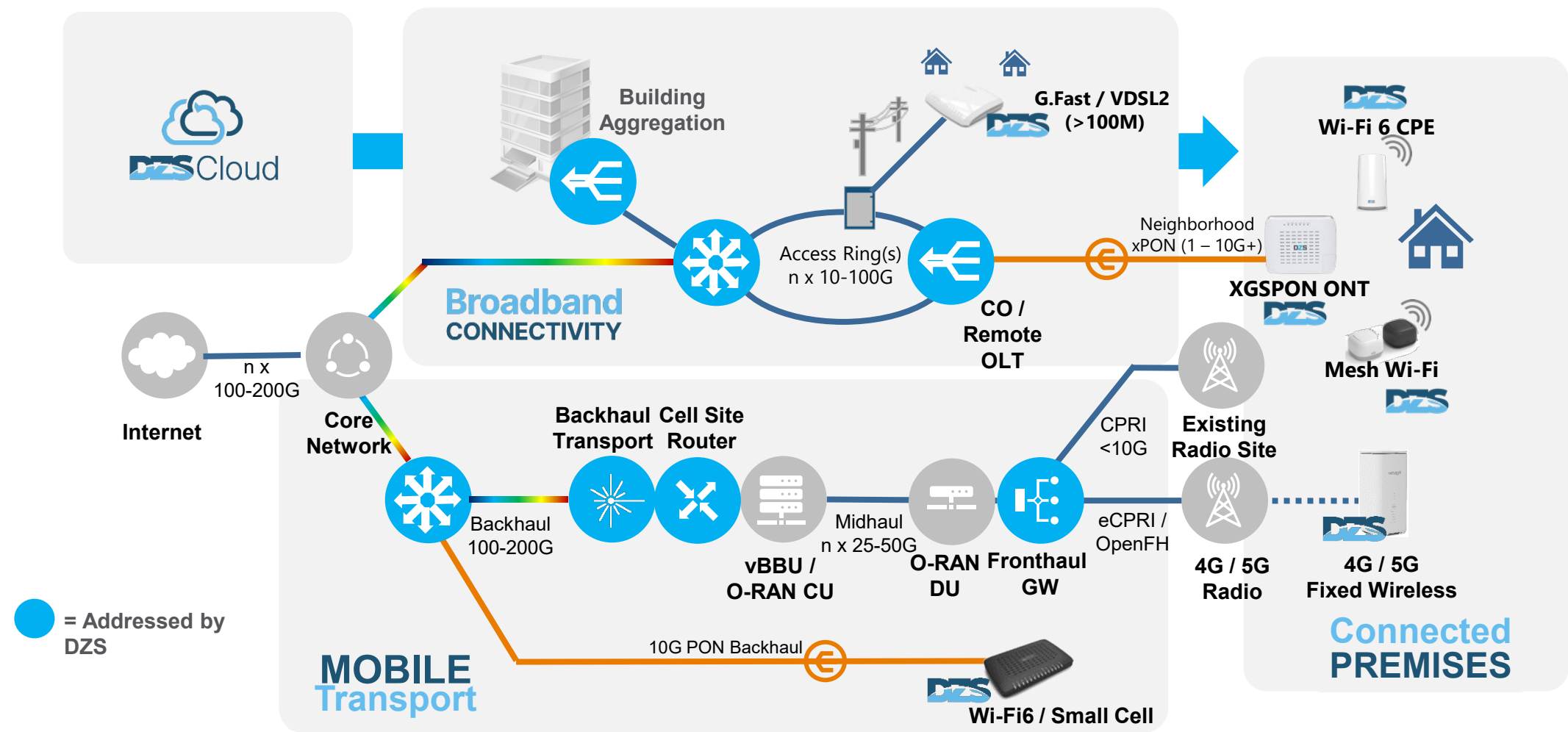
Broadband Connectivity (FTTx)



Open and Virtualized Mobile Transport (5G / O-RAN)



Converged Fixed and Mobile





The DZS Cloud logo is positioned on the left side of the main text. It features a white cloud icon with a blue outline, followed by the letters 'DZS' in a bold, white, sans-serif font, and the word 'Cloud' in a blue, sans-serif font.

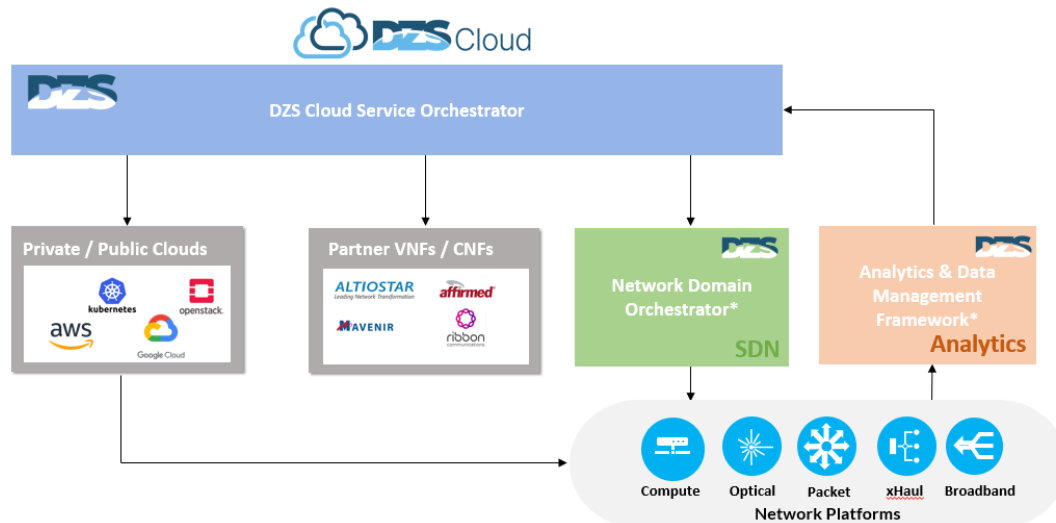
Cloud Orchestration, Analytics and Automation

New Network Orchestration & Software Automation



Award-winning, Carrier Grade Software Platform

- Award-winning, carrier-grade DZS Cloud End-to-End Orchestration & Automation, based on RIFT.ware, simplifies the deployment of any slice, service or application on any cloud
- Launched:  Selected by: 
- Immediately opens new valuable solutions to 20 million mobile and fixed broadband products deployed in 100+ countries
- Adds end-to-end intelligence for software and network orchestration and automation, advanced data analytics and service management



*Planned Product Capability

Press Release

DZS Acquires Network Orchestration and Software Automation Innovator RIFT

3/4/2021

Launches DZS Cloud to deliver a best-in-class, open, modularized, cloud-native software platform focused on eliminating network service and vendor siloes

PLANO, Texas, March 04, 2021 (GLOBE NEWSWIRE) -- **DZS** (Nasdaq: DZSI), a global leader of intelligent, packet-based mobile transport and broadband access solutions, today announced that it has

TELECOM TV

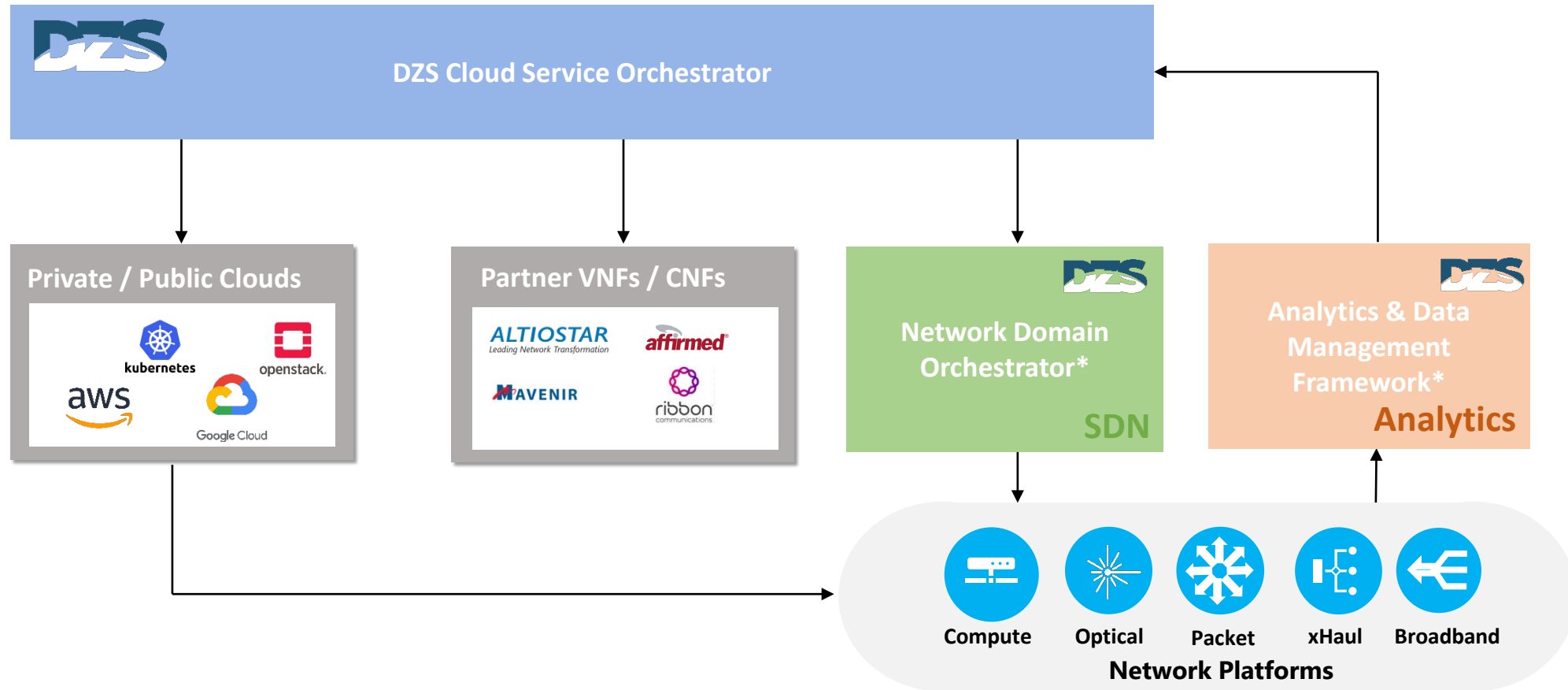
Telecom TV: DZS Cloud selected by Telus for network service orchestration, slice management and software automation

March 16, 2021

<https://www.telecomtv.com/content/nfv/dzs-cloud-selected-by-telus-for-network-service-orchestration-slice-management-and-software-automation-41057/>

PLANO, Texas -- DZS (Nasdaq: DZSI), a global leader of packet-based mobile transport, broadband access, network orchestration and cloud-native automation solutions, today announced that it has been selected by world-leading communications technology company TELUS to provide end-to-end network service orchestration with slice management functions and software automation designed to accelerate and manage digital transformation across 5G and broadband services. DZS Cloud End-to-End Orchestration and Automation (E2EO), based on the award-winning RIFT.ware solution recently

High Level DZS Cloud Architecture



***Planned Product Capability**

Telus buys network service orchestration with slicing from DZS



News Wire Feed
LIGHT READING
3/16/2021

COMMENT (0)

PLANO, Texas – DZS (Nasdaq: DZSI), a global leader of packet-based mobile transport, broadband access, network orchestration and cloud-native automation solutions, today announced that it has been selected by world-leading communications technology company TELUS to provide end-to-end network service orchestration with slice management functions and software automation designed to accelerate and manage digital transformation across 5G and broadband services. DZS Cloud End-to-End Orchestration and Automation (E2EO), based on the award-winning RIFT.ware solution recently acquired by DZS, is a carrier-grade, cloud native platform that will simplify and automate the deployment of any slice and any service on any cloud, including brownfield discovery of existing virtual applications. The powerful DZS Cloud platform will enable the marquee Canadian communications provider to deliver agile and automated life cycle management of virtual applications and services, unlock operational cost savings, and decrease churn and time to market by reducing manual application management across TELUS data clouds.

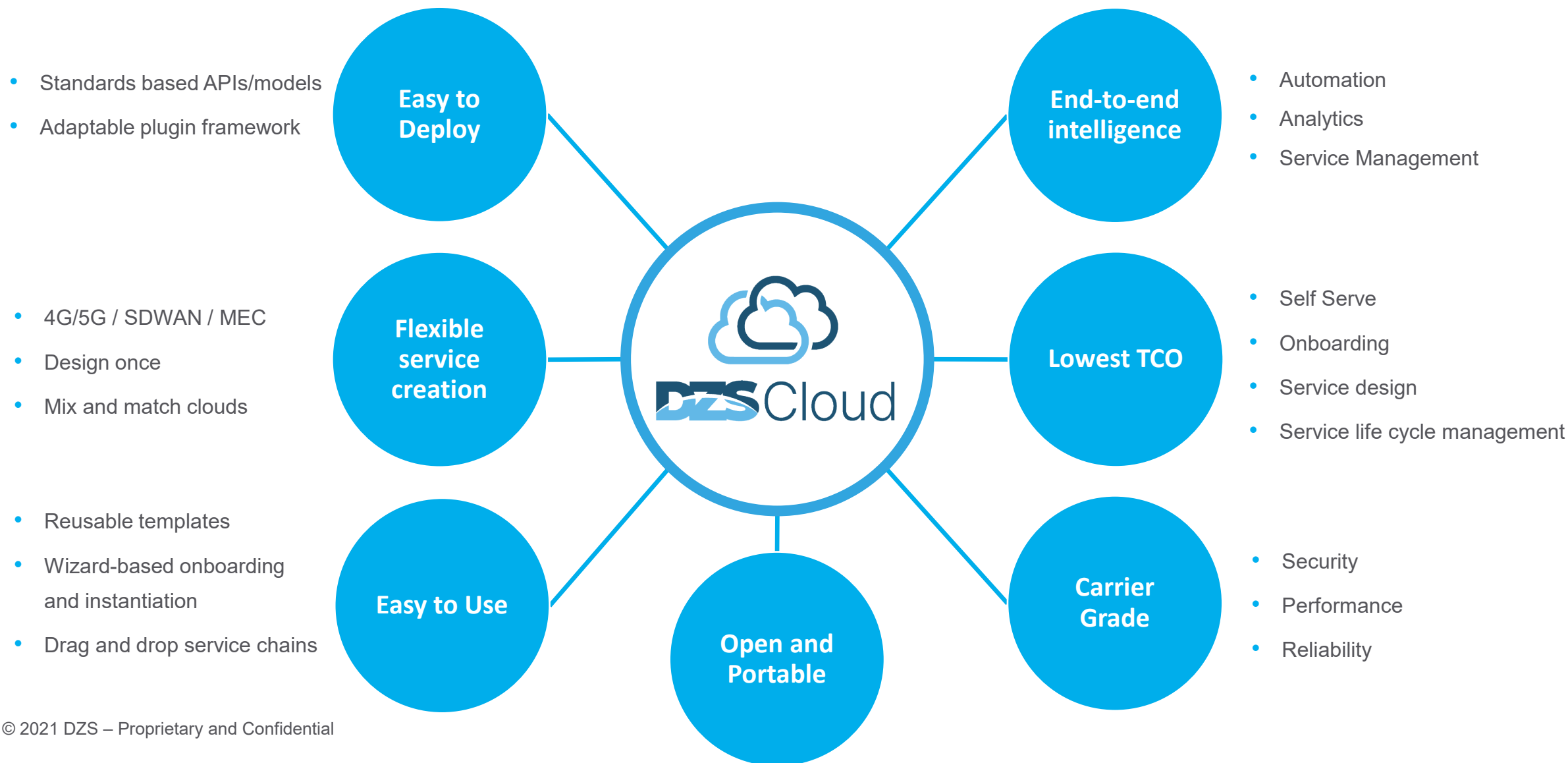
"To effectively compete and fulfill the promise of 5G and next generation 10gig and connected premises solutions, service providers need to rapidly design and instantly deliver and manage new services for customers," said Charlie Vogt, President and CEO of DZS. "TELUS is one of the most advanced, forward-thinking and innovative communications companies. Ibrahim and his team are visionary, rigorous in their technical evaluation and embody an unwavering commitment to accelerating digital transformation. We are thrilled to have been selected by TELUS to help them achieve their vision."

DZS Cloud Selected by TELUS for Network Service Orchestration, Slice Management and Software Automation

- Service orchestration, Slice Management, and digital transformation across 5G and broadband services
- "TELUS remains laser-focused on redefining how services are delivered for our customers and driving greater operational efficiencies in our network,"
-- Ibrahim Gedeon, CTO TELUS



State-of-the-Art Orchestration and Automation





Application Catalog

Service Catalog



UDSF



UDM



UDR



AMF



SD-WAN



NSSF



AUSF



UPF



SMF



5G Shared Slice



5G Dedicated Slice

- Simplify construction of complex services, across hybrid clouds, over container- and VM-based NFVI, using any network



Edge NFVI



Regional NFVI

Drag and Drop Service Design



Application Catalog

Service Catalog



UDSF



UDM



UDR



AMF



SD-WAN



NSSF



AUSF



UPF



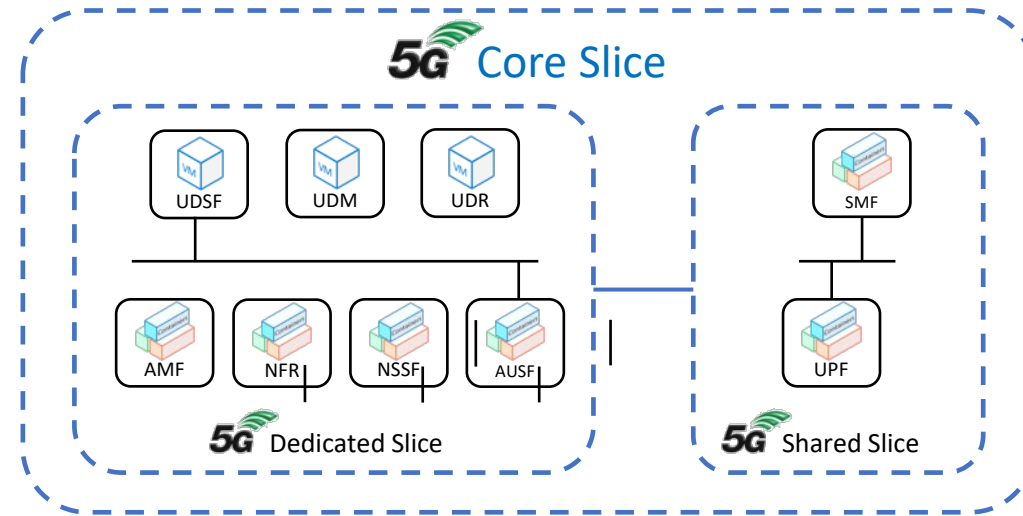
SMF



5G Shared Slice



5G Dedicated Slice



Edge NFVI



Regional NFVI

Automation of E2E Service

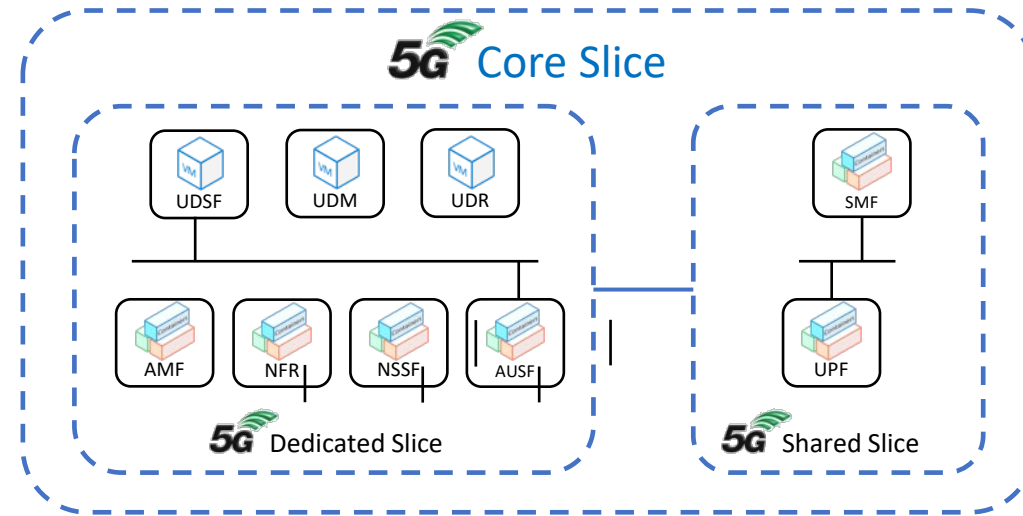


Application Catalog

Service Catalog

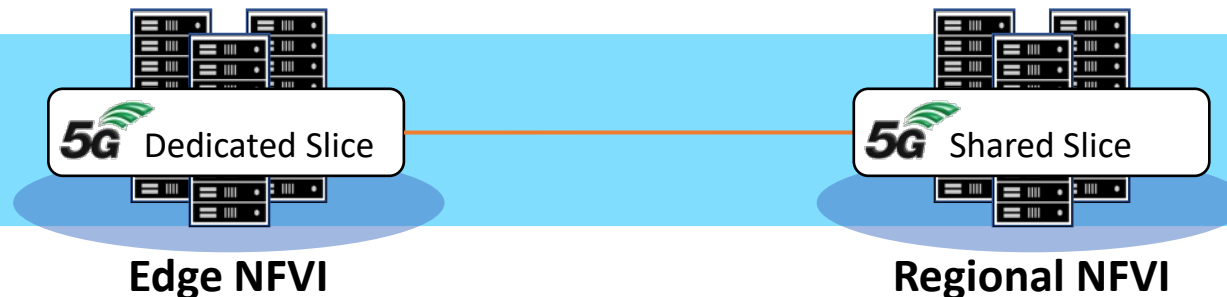
UDSF	UDM	UDR
AMF	SD-WAN	NSSF
AUSF	UPF	SMF

5G Shared Slice
5G Dedicated Slice



Automated Life Cycle Management of any application over any VIM

Kubernetes
OpenStack
uCPE / MEC



sdNOS Platform

State of the art Linux based OS

- Supports a range of 64-bit hardware targets
- Open hardware platform architecture support
- Development agility (access to modern development tools/environments)

Flexible Architecture

- Choose Centralized or Distributed state management options
- Fully SDN enabled

Extensive L2 and L3 capabilities

- OSPF, BGP, ISIS, VRRP, BFD
- PIM-SM, PIM-DM, PIM-SSM, BIDIR-PM
- IGMP (IPv4), MLD (IPv6)
- MPLS, SR, SRv6

Portable

- NOS runs on x.86, Motorola PowerPC and ARM targets
- Sandbox simulation for accelerated OSS integration

Carrier Grade

- In service patching / process replacement / upgrade framework
- High Reliability - Non-disruptive Start / Restart / Return to service for individual subsystems

Field proven

- 10 Years of field deployment with Tier 1 SPs worldwide

Intrinsic support for virtualization and NFV

- Coexistence of VNOS with higher level network functions, services, and applications on the DZS host platform
- Built in support for virtualization and container runtimes that provide security isolation and resource separation

The logo for 'DZS chronos' is positioned on the left side of the slide. It features a white curved line above the word 'chronos' in a bold, dark blue, sans-serif font. Above 'chronos' is the 'DZS' logo, which includes the letters 'DZS' in white with a blue swoosh.

Mobile Transport Solutions

Complete Portfolio

- Time-sensitive networking
 - Time synchronization
 - Low latency switching with frame-preemption and time aware scheduling
 - Seamless fault tolerance with FRER(zero switchover times)
- Switching capacity
 - Multiple options
- Flexible topologies
 - Point to Point, Tree , Ring, PON
- Carrier class redundant power and fans
- Enterprise PON extensibility

Mobile Backhaul & Midhaul

- Flexible networking protocol support
 - Layer 2 ethernet bridging with advanced features
 - Large Forwarding tables (+100K entries), QoS support, 802.3ad LAG/LACP, VLANs, QinQ, PV RSTP, MSTP, LLDP, G.8032 ethernet ring protection
 - Layer 3 static and dynamic routing
 - IPv4 and IPv6; IS-IS, OSPFv2/3, BGP
 - VRRP and ECMP
 - VRF, BFD, TWAMP reflector
 - IP-MPLS, SR-MPLS, SRv6
 - OAM & Service assurance
 - Y.1731, IEEE 802.1ag Ether OAM, Y.1564 service activation test

Mobile Fronthaul

- Flexible radio interface support
 - CPRI | eCPRI | RoE | Ethernet
- Concurrent 4G/5G RAN transport
 - 5G sub6 / 5G mmW / 4G / LTE / WiFi
- Integrated GPS timing source
- High precision class C synchronization capability
 - Sub-nano timestamping precision
- Standards-based vendor independence – Rakuten, Altiosstar, Mavenir
 - DU integration option with computing module

Lowest Total Cost of Ownership

mseries



cseries



oseries



vseries



xseries rseries eseries



Mobile Transport

- Comprehensive networking protocol support
- Small form factor Optical Transport
- Time Sensitive Networking
- Flexible Topologies
- Environmentally Hardened

Fronthaul Gateways

- Flexible radio interface support and interworking
- Concurrent 4G/5G RAN Transport
- Integrated GPS timing source
- High precision Class C synchronization capabilities
- Standards-based, vendor independent
- Environmentally Hardened
- Integrated Edge Compute

Mid-Haul / Back-Haul



Cell Site Aggregation



5G/4G Fronthaul



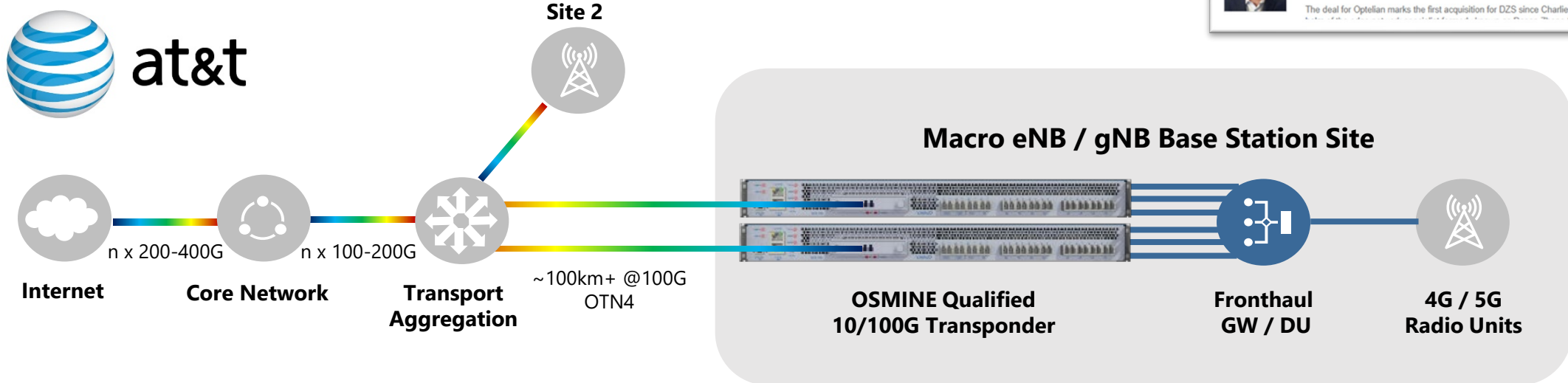
Customer Premises



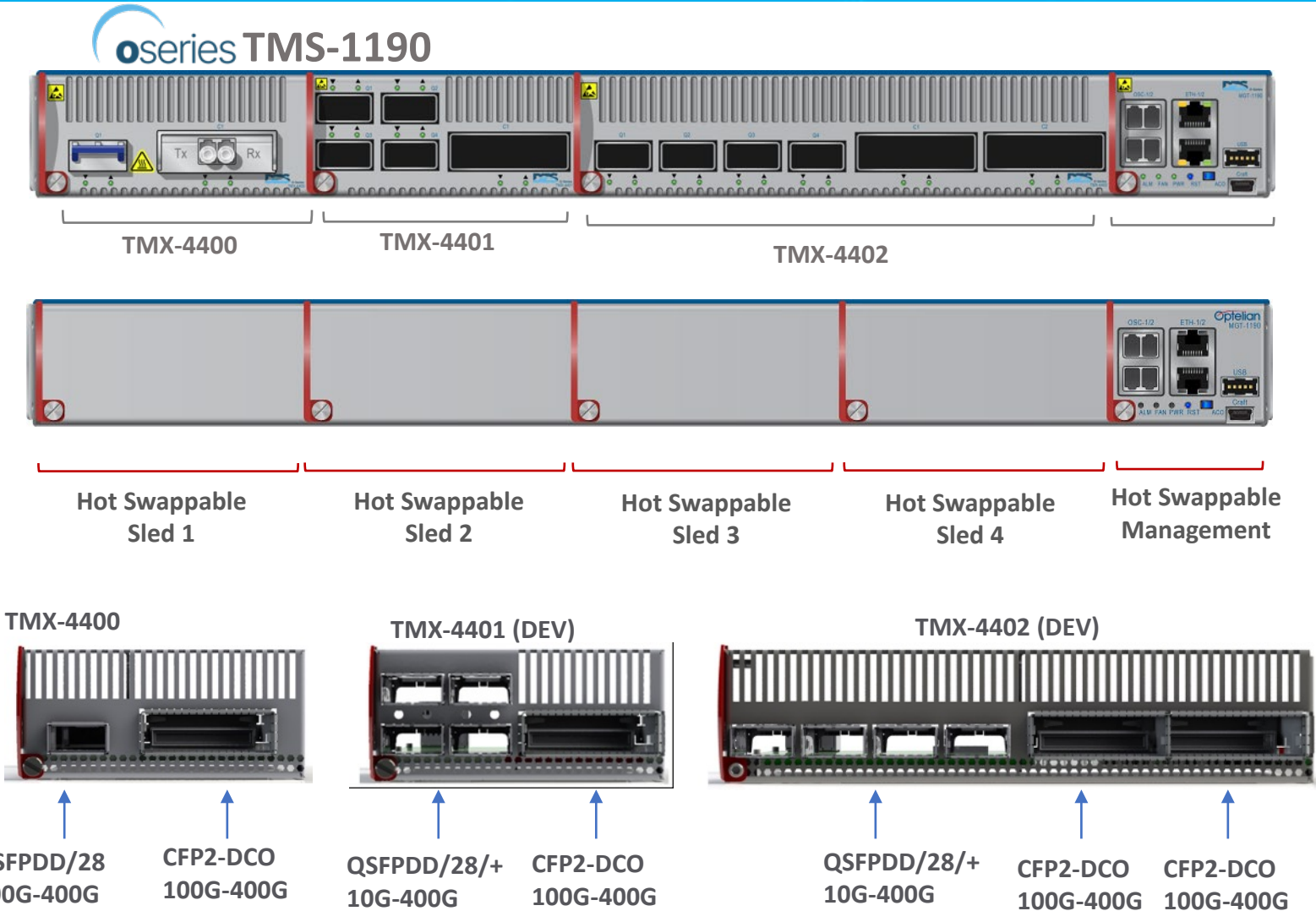
New Coherent Optical Transport for Mobile xHaul



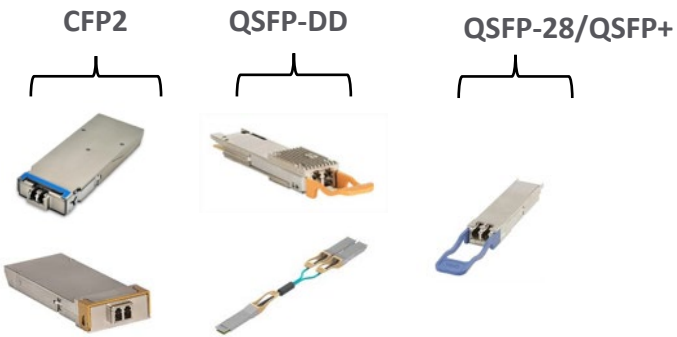
- **oseries MPX-9103**
 - 1RU 100G-class OTU4 DWDM transponder / multiplexer “muxponder” for metro/regional xHaul
 - Wave 2 modular product extends capability to 200G and 400G optics
 - Environmentally hardened design



Next Generation Optical Transport for Mobile anyHaul



- Hot Swappable Sleds in Flexible Compact TMX-1190 1RU Platform
- Hardened : -40 to +65C
- Up to 1.6 Tb/s capacity in Single Shelf
- Programmable Line : Rate, Modulations and FEC
- Line Interface CFP2-DCO 1/2/3/400G DWDM
- Line / Client Encryption (MACSec, AES-256)
- Up to 4 Multirate Clients QSFP28/DD/+ : 10G-400G
- Line and Client Protection Switching
- PTP Assist, Crosspoint, FLEX-E, LLDP Snoop/Drop



*Pluggable Support Snapshot

Rakuten Open RAN FrontHaul – C1216RO Solution



Customer Situation

- Requirement for aggregation of 4G, 5G and Wi-Fi
 - Outdoor solution to save infrastructure cost
 - GPS as primary time reference
 - Interop with Altiosstar vDU provider
- **Goal: build the first Open, Disaggregated 5G ORAN**

C1216RO

cseries



- IP65 outdoor enclosure
- 2 x 50/100GE uplink(QSFP28)
- 2 x 25/50GE(SFP28 or DSFP28)
- 9 x 25GE(SFP28)
- 3 x 10GE / CPRI
- GPS Clock
- NETCONF/YANG
- Operating temperature: -20°C to 60°C

C1216RO Key Attributes

- Outdoor solution requirement
 - Hardened, passively cooled, IP65 outdoor deployable platform
- Aggregation of 4G and 5G
 - 4G RRH require CPRI support while 5G use eCPRI
- Synchronization for the RU and vDU
 - Both RU in the antenna sites, ToR switches (Cisco) and x86 servers hosting Altiosstar vDU synchronize to the C1216RO GPS clock
 - High precision Class C synchronization capability
- Evolution
 - Indoor version
 - Integrated DU capability

Support O-RAN Architectures with 4G + 5G services in outdoor environments



Broadband Access Solutions

Flexible: Freedom of Choice

- Any Form Factor
 - 2 Slot Stackable Chassis or Fixed
- Any Aggregation
 - Non-Blocking or concentrated
- Any Use Case
 - Resi. | Business | Mobile
- Any Service
 - AE, 2.5G, 10G,,25G, 50G...
- Any Management
 - EMS or SDN
- Any Service Model
 - L2 and L3

Evolutionary: Peace of Mind

- Backwards Compatibility
 - sdNOS line cards in current installed base
- Field Upgradeability
 - Field systems with sdNOS linecards

POWERED BY



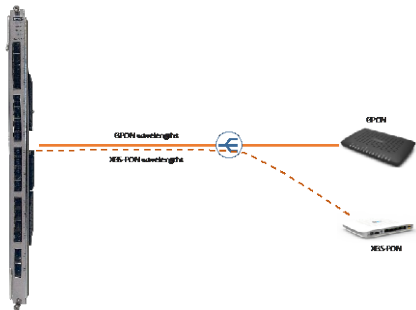
Next Gen: Disaggregated

- Leaf and Spine Switches
- Mini-Chassis options
- Common software platform
- Comprehensive and extensible L2 and L3 feature set
- SDN Managed
- “Telco rack” enabled form factor

 **mseries**



 **vseries**



Peace of Mind

- Backwards Compatibility
- Field Upgradeability
- Future Proof

Freedom of Choice

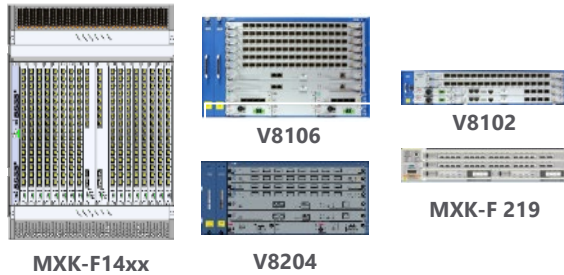
- Any Form Factor
- Any Aggregation
- Any Use Case
- Any Service
- Any Management
- Any Service Model

POWERED BY
sdNOS

The **velocity** Broadband Access rEvolution

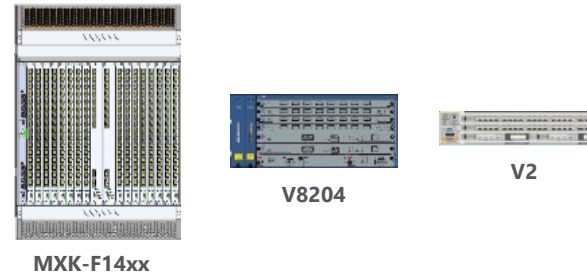


Traditional Deployment



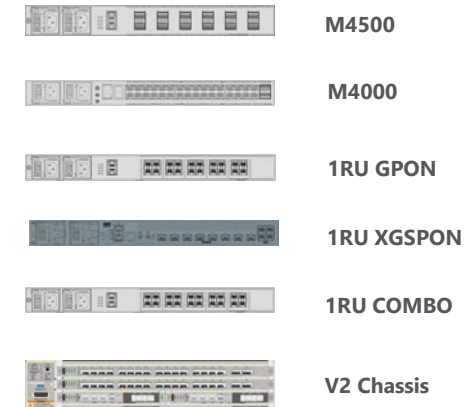
- Any Service Interface:
 - 1GE, 10GE, GPON, XGS-PON, Combo
- Traditional EMS Management
- SDN Management with EMS Netconf NBI Module

Native SDN – Chassis Evolution



- Any Service Interface:
- Flexible “system on a card” architecture
- SDN Management and Orchestration

Native SDN - Disaggregated



- Data Plane Leaf Switches and small chassis:
 - 1GE, 10GE, GPON, XGS-PON, Combo
- Top of Rack Data Plane Spine Switches (nx10GE, nx100GE)
- Telco rack enabled
- Native Netconf/Yang
- SDN Management and Orchestration

Software Defined Networking + Disaggregation + Cloudification



Cloud Software Portfolio

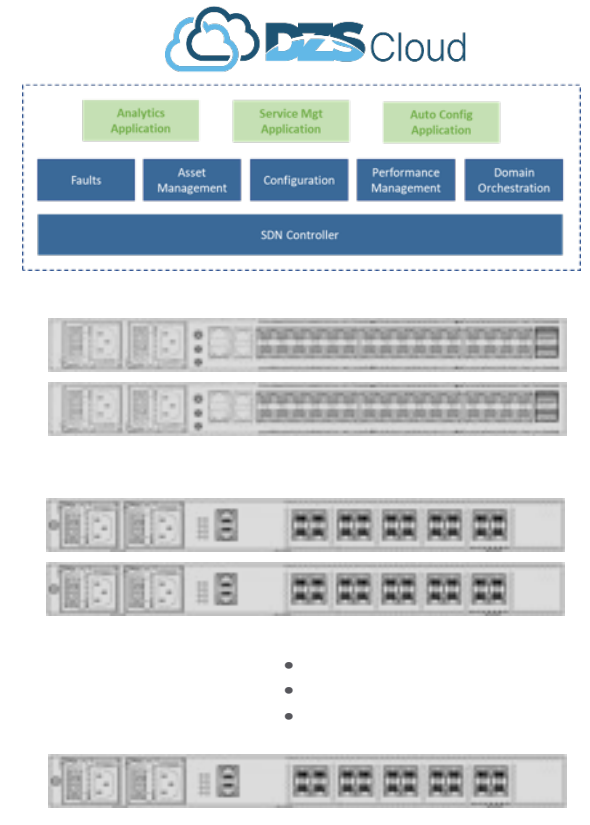
- SDN Control and Domain Orchestration functions
- NE Management Plane functions
- In-portfolio and partner companion applications

Platform Software

- State of the art Portable Linux based OS
- Modular, extensible software
- Containerized future-ready ready architecture

Disaggregated / Distributed Networking

- sdNOS-based Data Plane Functions
- Includes V-series Spine and Leaf switches
- Comprehensive and extensible L2 and L3 feature set
- “Telco rack” enabled form factor



SDN, Control & Management Plane

Data Plane Spine Switches

Data Plane Leaf Switches

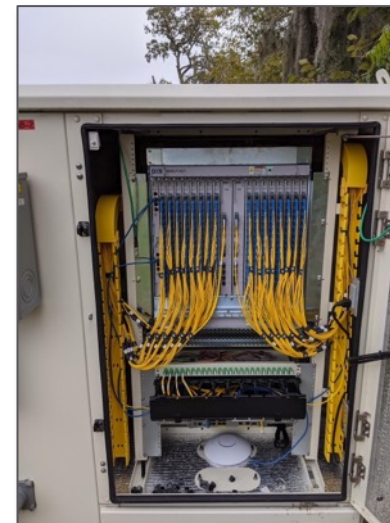


F1419/1421
CO (or large RT)



F219
RT and Mini-OLT

- Environmentally hardened OLT portfolio
- Flexible and scalable solutions 10G services, mobile backhaul and beyond.
 - F219 (2RU) 2 Line Card- 32 OLT Port Max
 - F1419/1421 (14RU) 14/16 LC- 256 OLT Port Max
 - AE, 10G AE, GPON, XGS-PON, 25GPON (future)
 - Line card compatibility
 - Network timing distribution, 1588v2, BITS
 - Redundant DC power

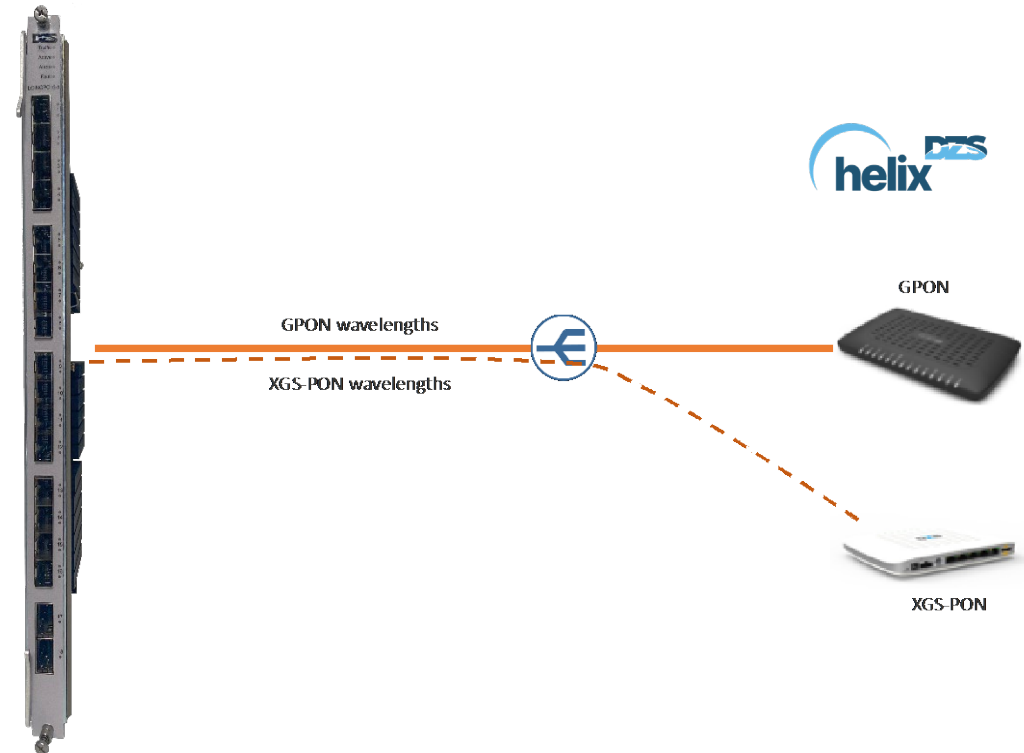


AnyPort AnyPON Line Cards



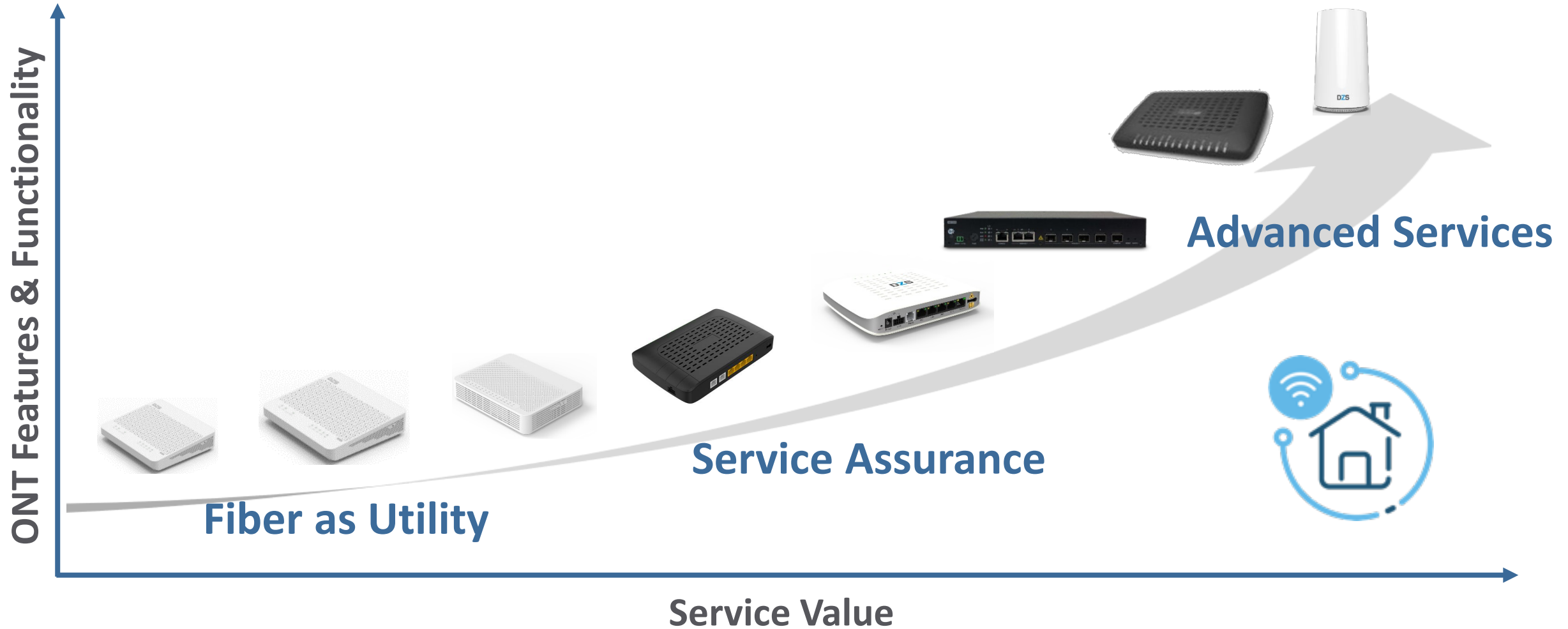
Next Gen Combo Fiber Service Cards

- Single-slot | 8 and 16 ports | SFP+ Optics
- **GPON and XGS-PON ONTs on same PON**
 - No external combiner
- Any port can be:
 - GPON
 - XGS-PON
 - Combo (GPON+XGS-PON)
 - 10G AE
- 2 x 100Gbps uplinks on faceplate (QSFP28 Optics)





Connected Premises Solutions



Feature rich ONT portfolio to grow service value

Connected Premises – Investment Focus



GPON



24xx

Easy Mesh



H660GX



W550CA

XGS-PON



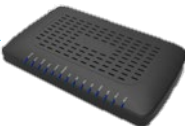
H842



5222XG



Wi-Fi6



2428GN



5228XG



1664DC

25GS-PON



Fixed Wireless Access



SERVICE MANAGEMENT INTELLIGENCE

Network Operations Intelligence

Connected Premises Intelligence

ANALYTICS AND DATA MANAGEMENT

Visualization



Analytics



Data Repository



Data Collection



DZS “Brilliant Buildings”



■ Thought Leadership

- Industry leader in fiber-access networks globally with “carrier-grade” PON and AE equipment

■ Experience

- Brand Recognized on the Market and Part of Some Reference Architectures
- References in multiple enterprise verticals: hospitality, education, healthcare, ...
- Dedicated enterprise feature set
 - Specialized ONTs, System Management and SW functions to meet FiberLAN enterprise customer needs

6024T



GPON, 24xGE + PoE

2804P2



GPON, 4xGE + PoE++

2804D



GPON, 4xGE + PoE, Plenum

fiberLAN Products

■ Scalability and Density

- Extensive Optical LAN product portfolio for Large, Medium & Small Locations
- Up to 2x density of competing GPON solutions

■ Reliability

- Carrier-Class Equipment with 99.999% Reliability
- Most complete set of Type-B GPON redundancy levels on the market: on port, line card, chassis level, uplinks, power, and management

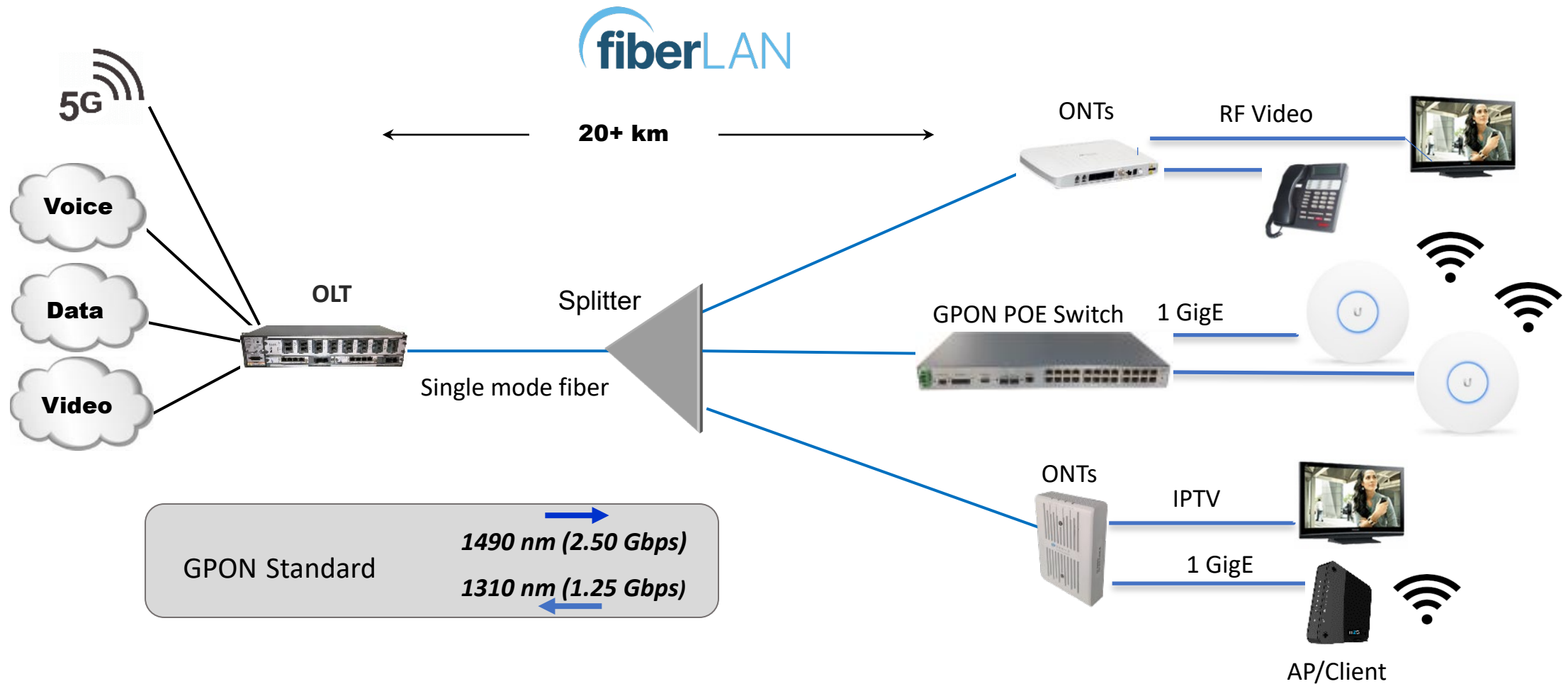
■ Optionality

- Variety of Ethernet Termination Device choices
 - Interfaces, port counts, WiFi, Mounting, Power, battery, indoor and outdoor

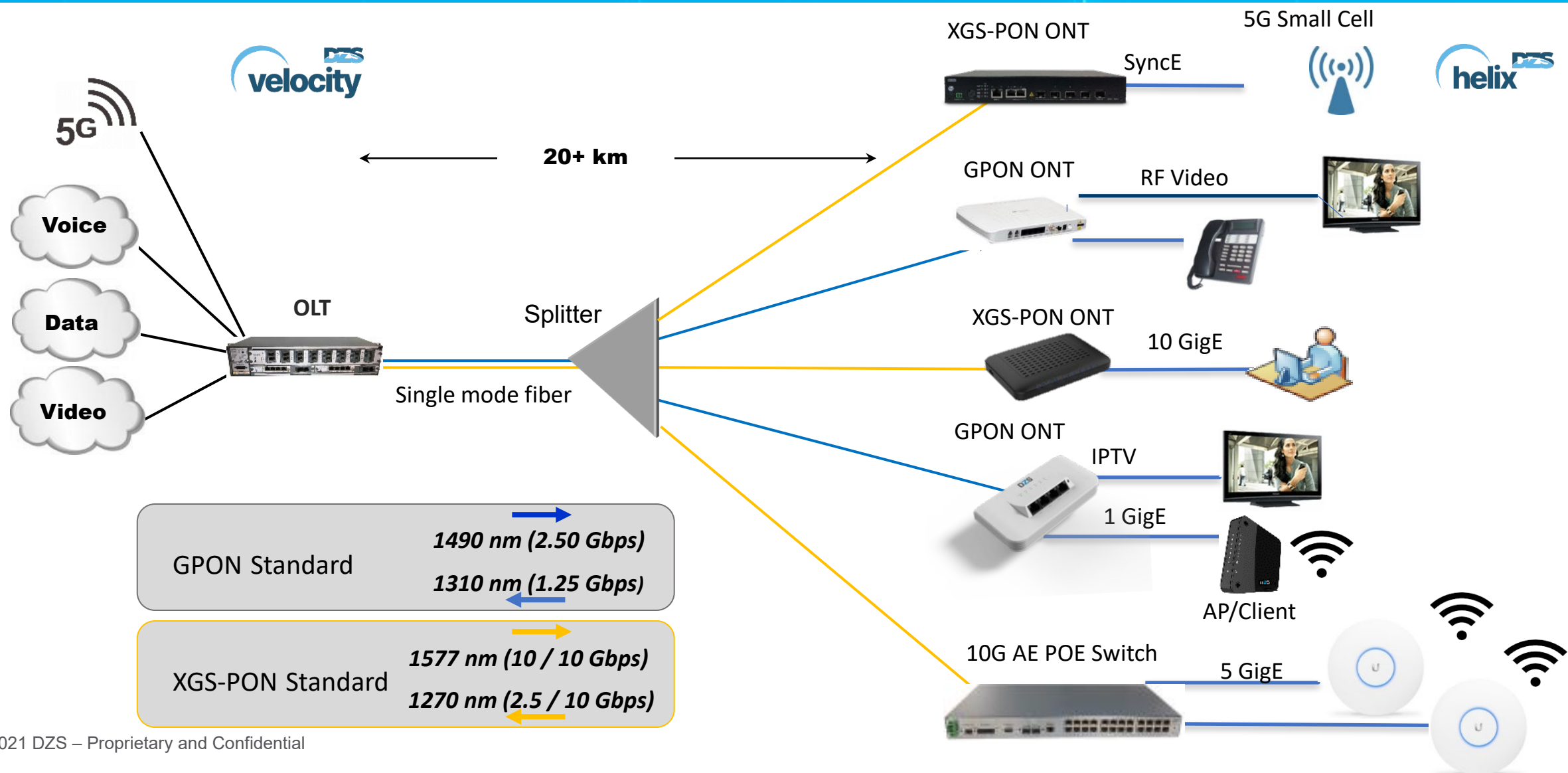
■ Cost Competitive

- Competitive solutions for high, medium, and low-end enterprise LANs

GPON Residential and FiberLAN Solutions



XGS-PON, 10GigE Migration



Residential and MDU



2301



GPON, 1xGE LAN

2311



GPON SFP ONT

H665



GPON SFU: 1x GE

H660



GPON SFU: 4x GE

24xxA



24xxB



27xx



fiberLAN

and MTU



2101HP



GPON, 1xGE + PoE++GPON, 4xGE + PoE

204P



2804P2



GPON, 4xGE + PoE++

26xx



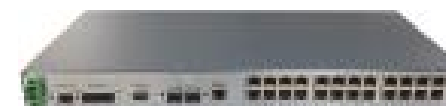
GPON, 4x or 8xGE, POTS, PoE+, RF

2804D



GPON, 4xGE + PoE, Plenum

6024T



GPON, 24xGE + PoE

DZS Professional Services Overview

Available Professional Services from DZS



- **Education & Training**
- **Service Level Agreement (SLA)**
 - Unlimited Access to DZS Technical Support, Software Fixes, Online resources, and extended Warranty.
- **Remote Professional Services**
 - Configuration changes
 - Network Audits
 - Subscriber Moves / Adds / Changes
 - SW Upgrades
 - 24x7 Help Desk
- **On-Site Professional Services**
 - Dedicated Support Engineer / Resident Engineer
 - Engineer, Furnish, & Install (E,F & I)
- **Managed Services**
 - FiberLAN “GPON in a box” w/ Remote Monitoring
 - Data Collection Engines
 - Network Health Reports
 - NOC as a Service



Summary

Market, Technology and Regulatory Discontinuities

MOBILE Transport	Broadband CONNECTIVITY	Connected PREMISES	Orchestration & ANALYTICS
<ul style="list-style-type: none">▪ OpenRAN / vRAN▪ MEC▪ IoT▪ >100Gbps Transport▪ Geopolitical Tensions	<ul style="list-style-type: none">▪ Virtualization▪ Disaggregation▪ 25G / 50G-class PON▪ Geopolitical Tensions▪ Government Subsidies	<ul style="list-style-type: none">▪ WiFi6 and EasyMesh▪ Enhanced Mobile BB▪ mmWave UE▪ Fixed Wireless Access	<ul style="list-style-type: none">▪ Automation▪ Machine Learning▪ Predictive Analytics



Solutions disrupt the *status quo*

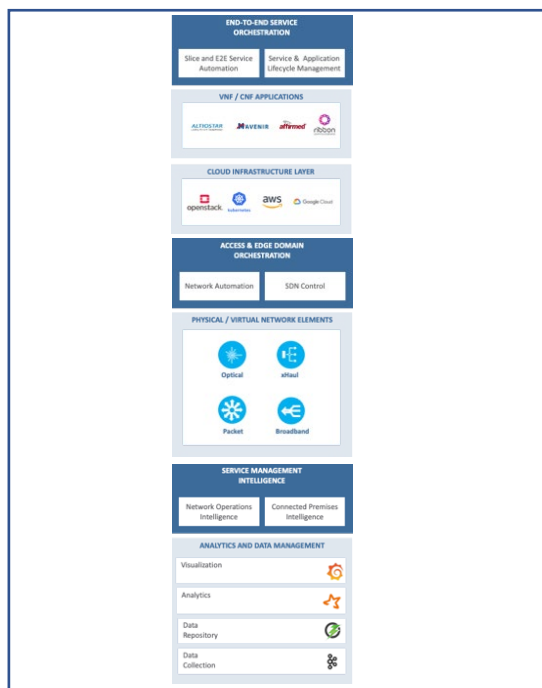
Innovation – Agility – Evolution – Flexibility – Interoperability – Lowest TCO



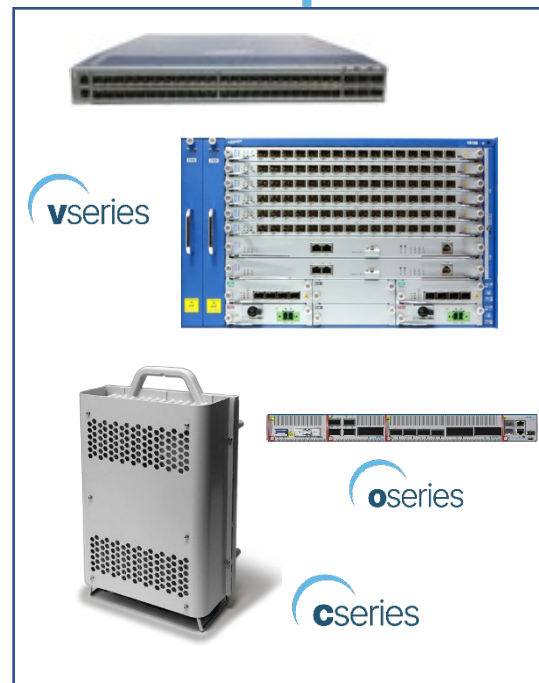
An Industry-Leading Solutions Portfolio



Orchestration & ANALYTICS



MOBILE Transport



Broadband CONNECTIVITY



Connected PREMISES



SERVICES

POWERED BY



Thank You
<https://dzsi.com>