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AI is a fundamental shift

The **winners** will be the companies
that leverage their AI for true

business transformation

AI-powered decisions | processes | people | innovation

The **last decade** was a transformation to a new economic model driven by a **cloud-native** architecture.

The **next decade** is a full business transformation only made possible by an open **AI-native architecture** informed by supercomputing principles and hybrid-by-design.

AI requires a fundamentally different architecture

Cloud-native

Web services

Thousands of workloads/many nodes

Multi-cloud

Locked-in ecosystem

Energy inefficient

AI-native

AI models

One workload/thousands of nodes

Hybrid-by-design

Open ecosystem

Sustainable by design

AI requires a fundamentally different architecture

Cloud-native

vs

AI-native

General purpose cloud

scale up

Workload	Workload	Workload	Workload	Workload	Workload	Workload	Workload
Node	Node	Node	Node	Node	Node	Node	Node
Node	Node	Node	Node	Node	Node	Node	Node
Node	Node	Node	Node	Node	Node	Node	Node

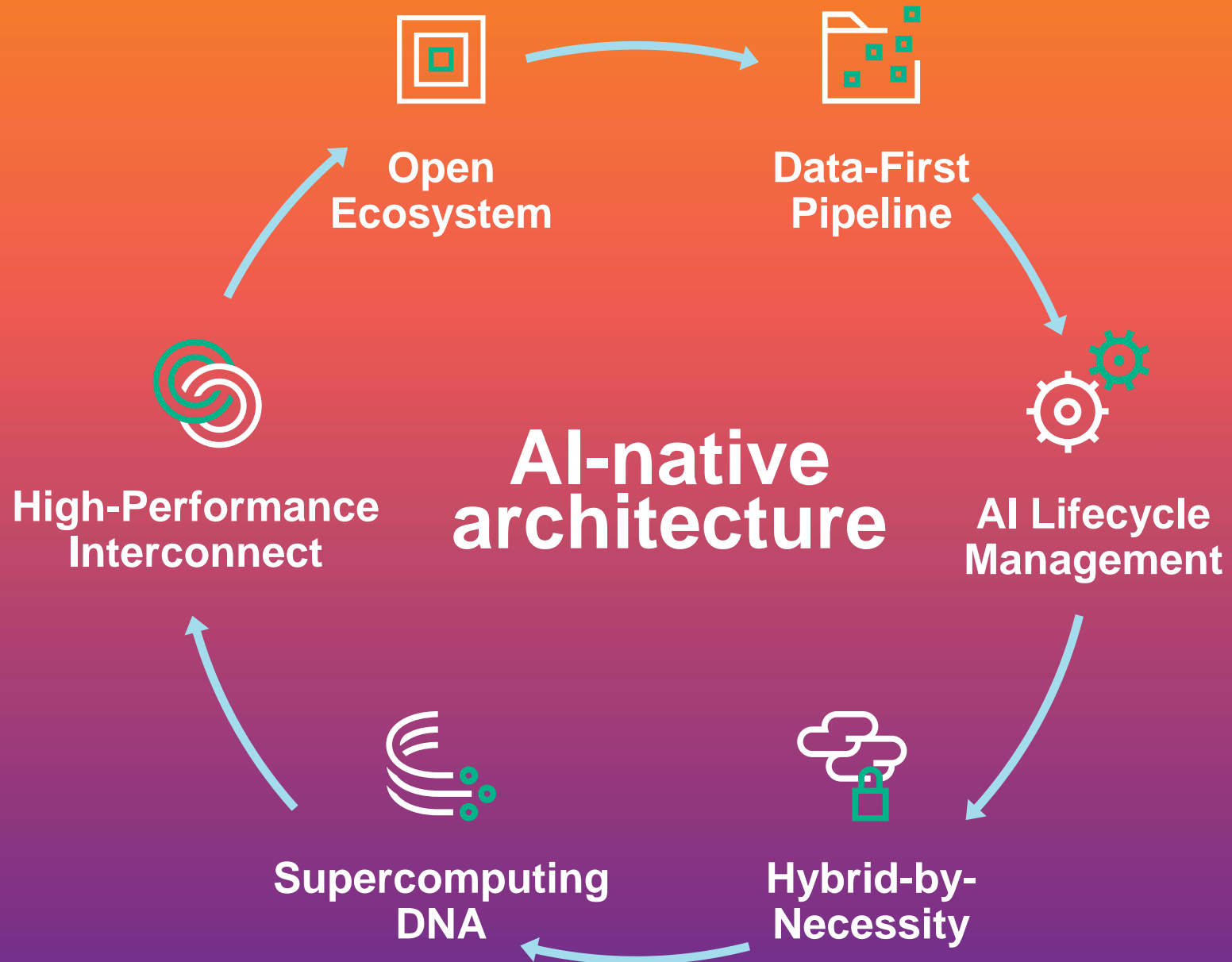
Thousands of different workloads
running across many nodes

AI models

scale out

Workload							
Node	Node	Node	Node	Node	Node	Node	Node
Node	Node	Node	Node	Node	Node	Node	Node
Node	Node	Node	Node	Node	Node	Node	Node

One workload or one model
running across many nodes



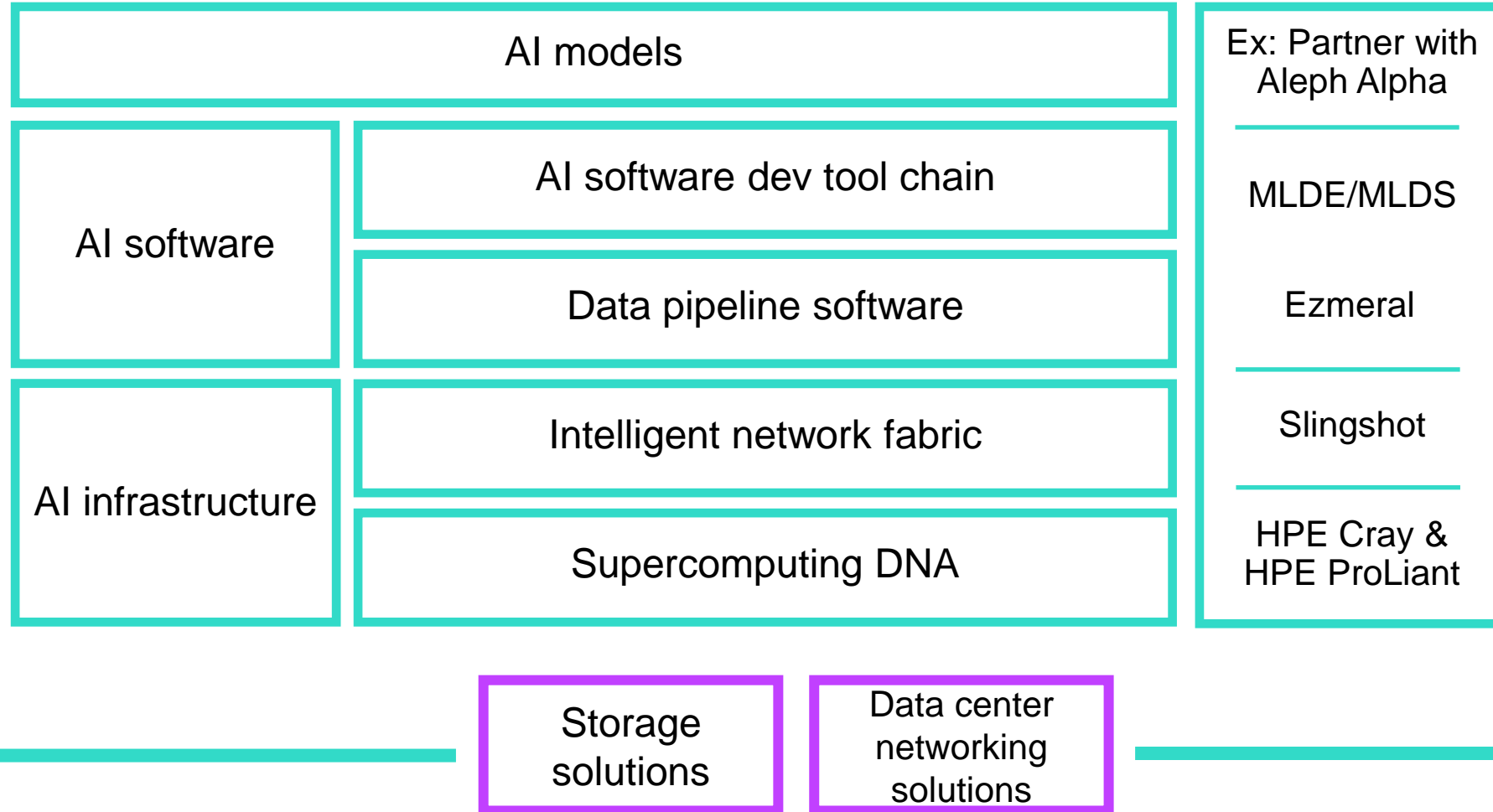
Edge



Cloud

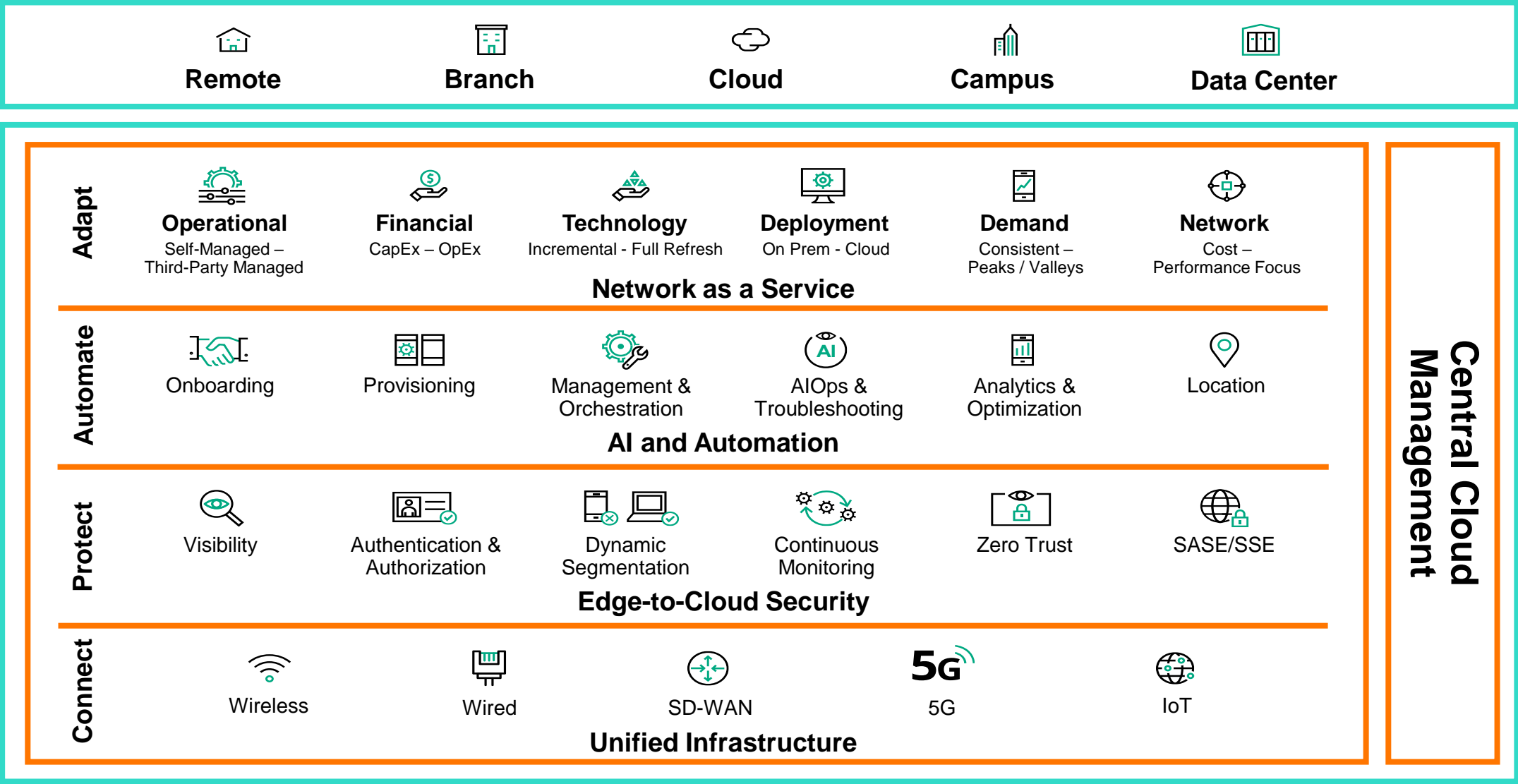
Hybrid by Design

HPE GreenLake



Unified Infrastructure

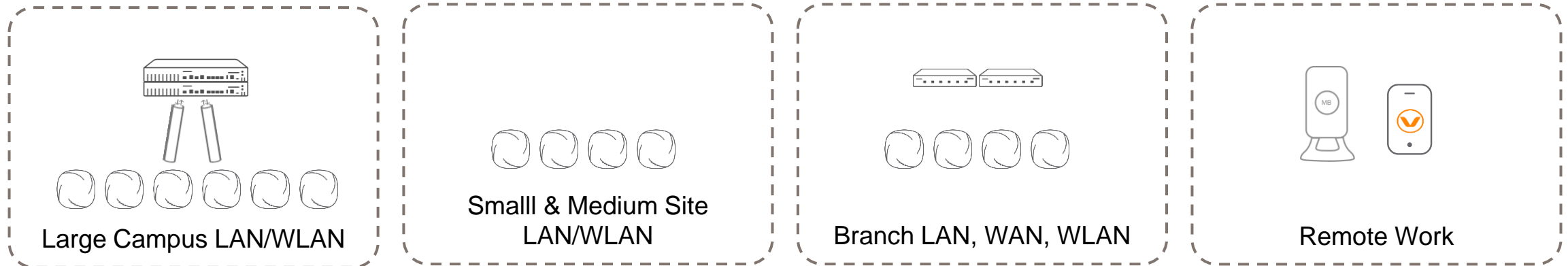
Orchestrating Network Services from Edge-to-Cloud



AOS 10: Aruba's Unified Network Operations

- 1000's production customers, 500k+ APs and 25k+ gateways
- Consistent approach across campus, branch, and remote work

- Enhanced scalability
- AI-powered insights
- Workflow automation
- Robust security
- Unified wired, wireless, SD-WAN



What **AOS 10** brings to Customers



SCALABILITY

Scale to Meet
Enterprise Needs



CLOUD-NATIVE

Better align with Enterprise
Cloud Strategy



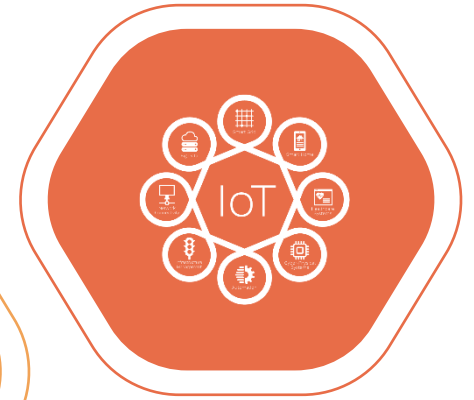
UNIFIED MANAGEMENT

Unified Wi-Fi and
SD-WAN Architecture



REMOTE CONNECTIVITY

Simplifies how IT deploys, secures, and
monitors connectivity for the hybrid
workforce



ENHANCED IoT

New integration opportunities
through IoT Operations

Customer needs



Infrastructure agility

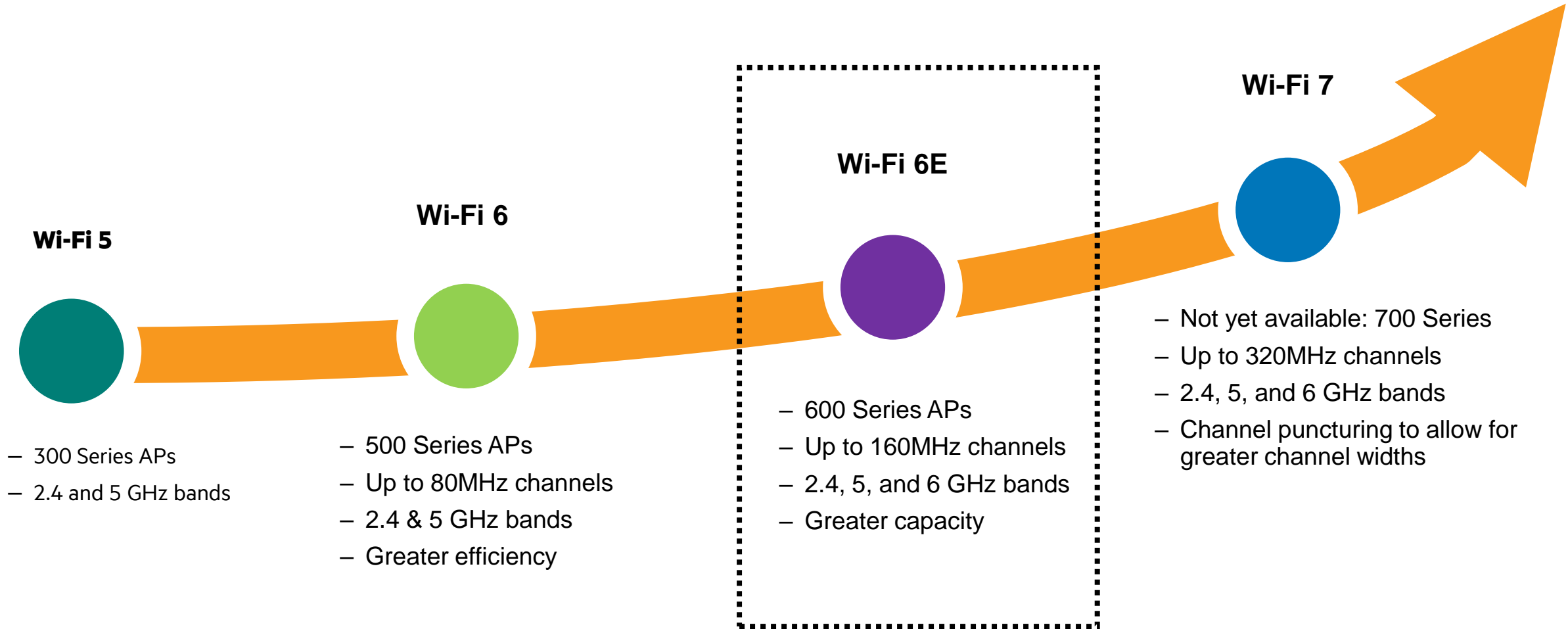


Unified experience



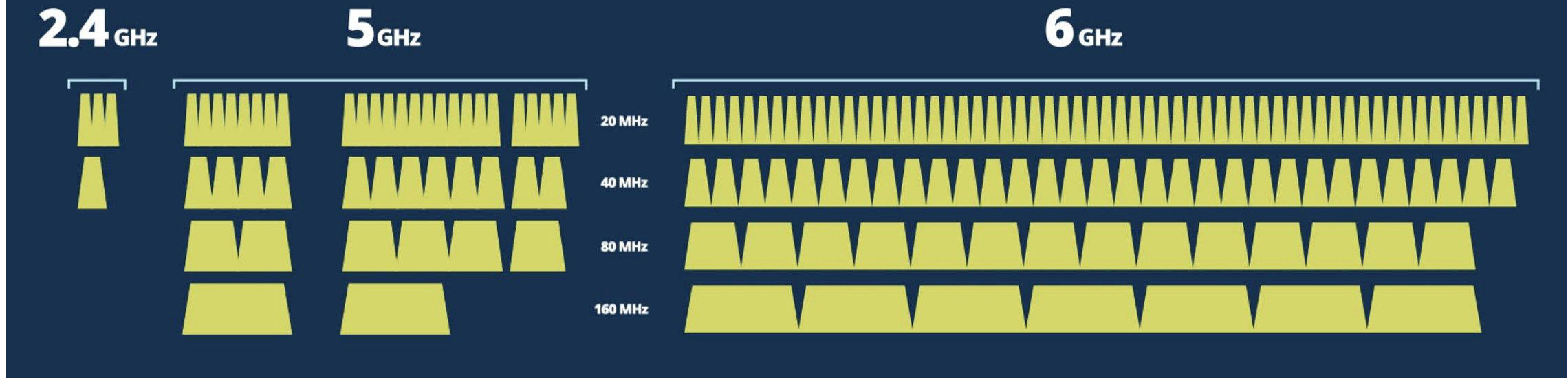
Consume vs operate

Evolution of Wi-Fi standards



Wi-Fi 6GHz is actually the big spectrum story

6E = Wi-Fi 6 EXTENDED



- The 6GHz band spans 1.2GHz between 5,925MHz to 7,125MHz
 - Potential for 59 20MHz channels, 29x 40MHz, 14x 80MHz, 7x 160MHz (59 / 29 / 14 / 7)

Wi-Fi 7 leverages 6Ghz in new ways

- The main goal for Wi-Fi 7 is to address use cases such as 8K Streaming, Augmented and Virtual Reality and Industrial IOT.
- Features broadly fall into 4 categories
 - Throughput
 - Coexistence
 - Latency
 - Efficiency

Multi-Link Operation (MLO)

Prior to Wi-Fi 7, devices used a single link to transmit data or support multiple bands. MLO enables devices to combine different channels across frequency bands together, allowing concurrent transmission and reception of data over multiple links.



Considerations

1. Switching infrastructure: Need to support 5G or 10G connectivity
2. Power consideration: Need to provide class 4 to class 6 power
3. Cabling: Need to have cat 6/6A cable
4. Requires WPA3 Security

Wi-Fi 6 and 6E APs for indoor, outdoor & remote use

Wi-Fi 6E Indoor



610 Series



630 Series



650 Series

Connectorized
AP-634 and AP-654



Wi-Fi 6E Hospitality



600H Series



Wi-Fi 6E Remote

600R Series

Wi-Fi 6 Indoor



500 Series



510 Series



530 Series



550 Series

Wi-Fi 6 Hospitality



500H Series

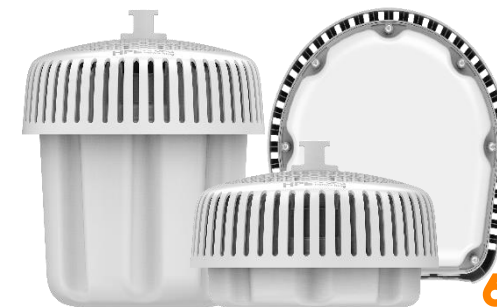


Wi-Fi 6 Remote

500R Series



Wi-Fi 6E Outdoor & Hazardous Loc.



670 and
670EX Series

Wi-Fi 6 Outdoor & Hazardous Loc.



518 Series



560 Series



570 Series



560EX Series



570EX Series



580/580EX Series

New Tri-band antennas

NEW AP SOLUTIONS AND FEATURES

615

Unique architecture
Lower cost markets can
take advantage of 6E



LTE Modem



IoT Radio



605R

Modular cellular radio
(5G ready)



605H

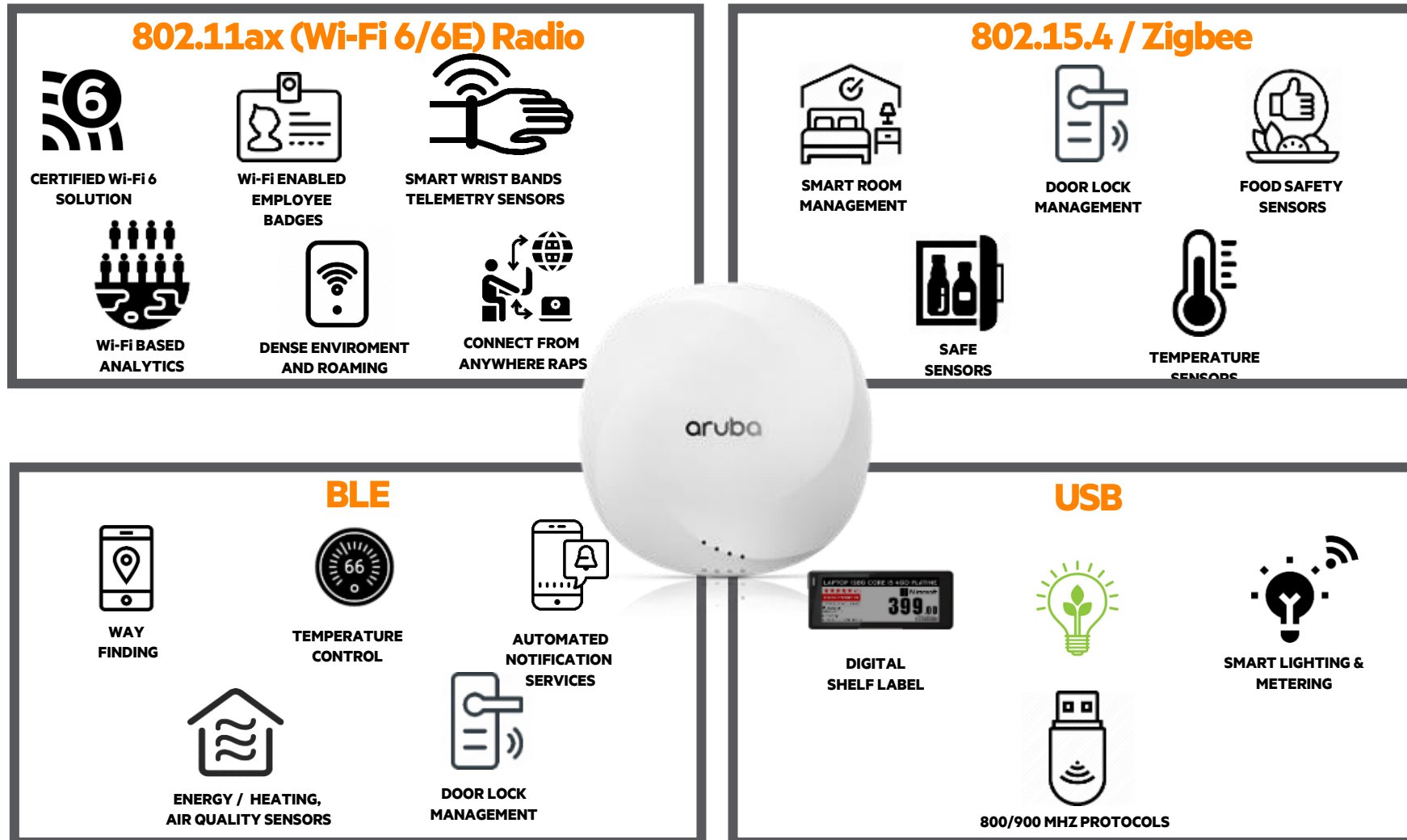
6E Hospitality AP
2.5Gps uplink

503R

Cost Competitive

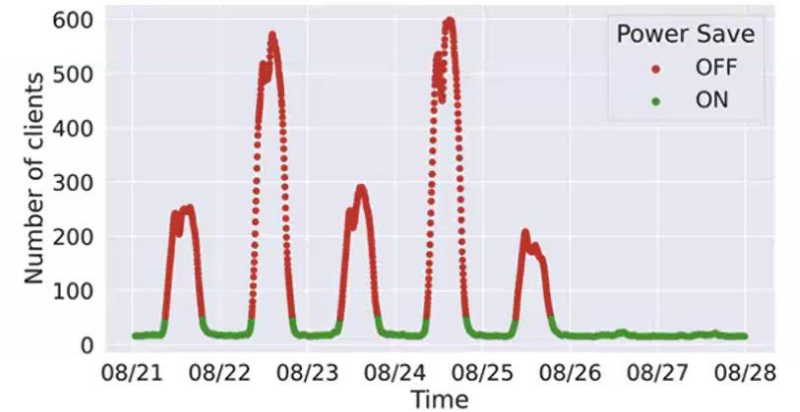
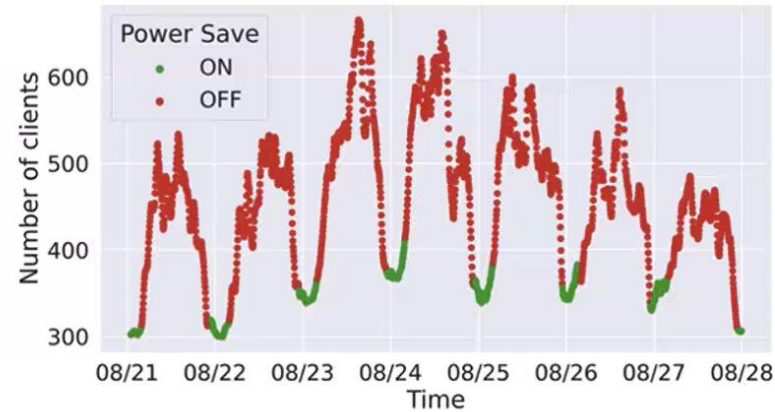
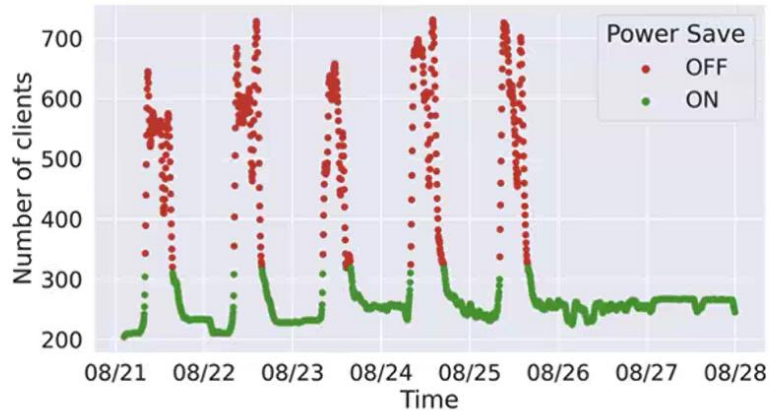


APs as an IoT platform



Green Wi-Fi: AI-Driven Power-Save Recommender for APs

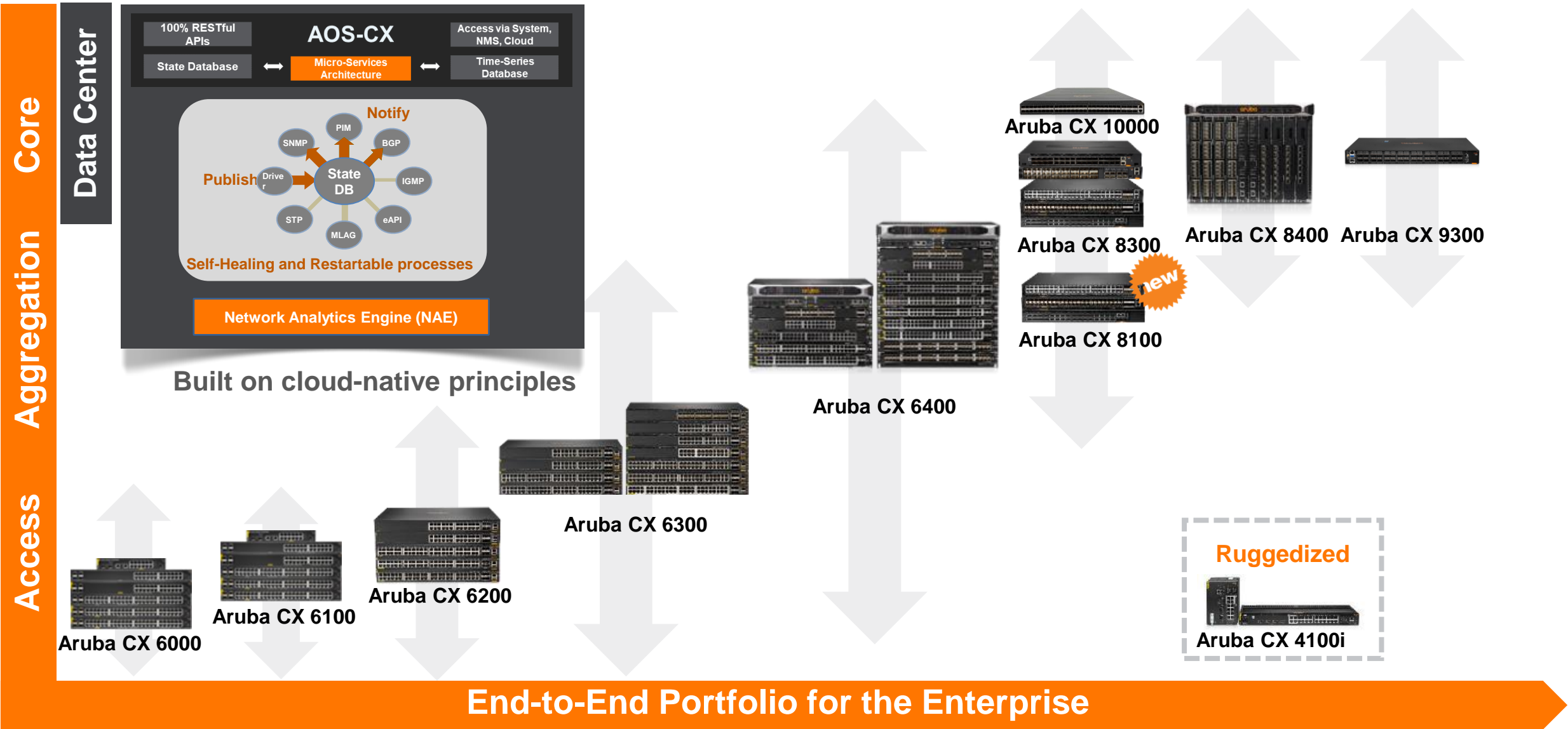
- **Scheduling element:** For different (customer, sites), we find **optimal time** put APs in power-save mode.



- **For coverage element:** For different (customer, sites), we find **optimal subset of APs** to put in power-save mode.
- Based on SNR measurements between APs and clients:
 - **Coverage APs:** APs that remain powered-on during power-save schedules
 - **Capacity APs:** APs that are powered-off during power-save schedules



Aruba CX Switching portfolio



What's new in switching

High availability from core to access

Added **Enhanced Software Upgrades (ESU)** for VSF stacked switches

Added **hot patching** as a vehicle for highly-targeted, and even customer-specific software changes



Deep visibility within the campus

Enabled **application recognition and reporting** through collectors to monitor and inform policy choices on over 3700 applications.

AOS Gateways: Wireless Controllers, SD-Branch

Campus



9240

Midsized, large and very large campuses

Hybrid Campus/Branch



9114

Ideal VPNC, large branches and small campuses



9012

Ideal for midsized branches, high port density

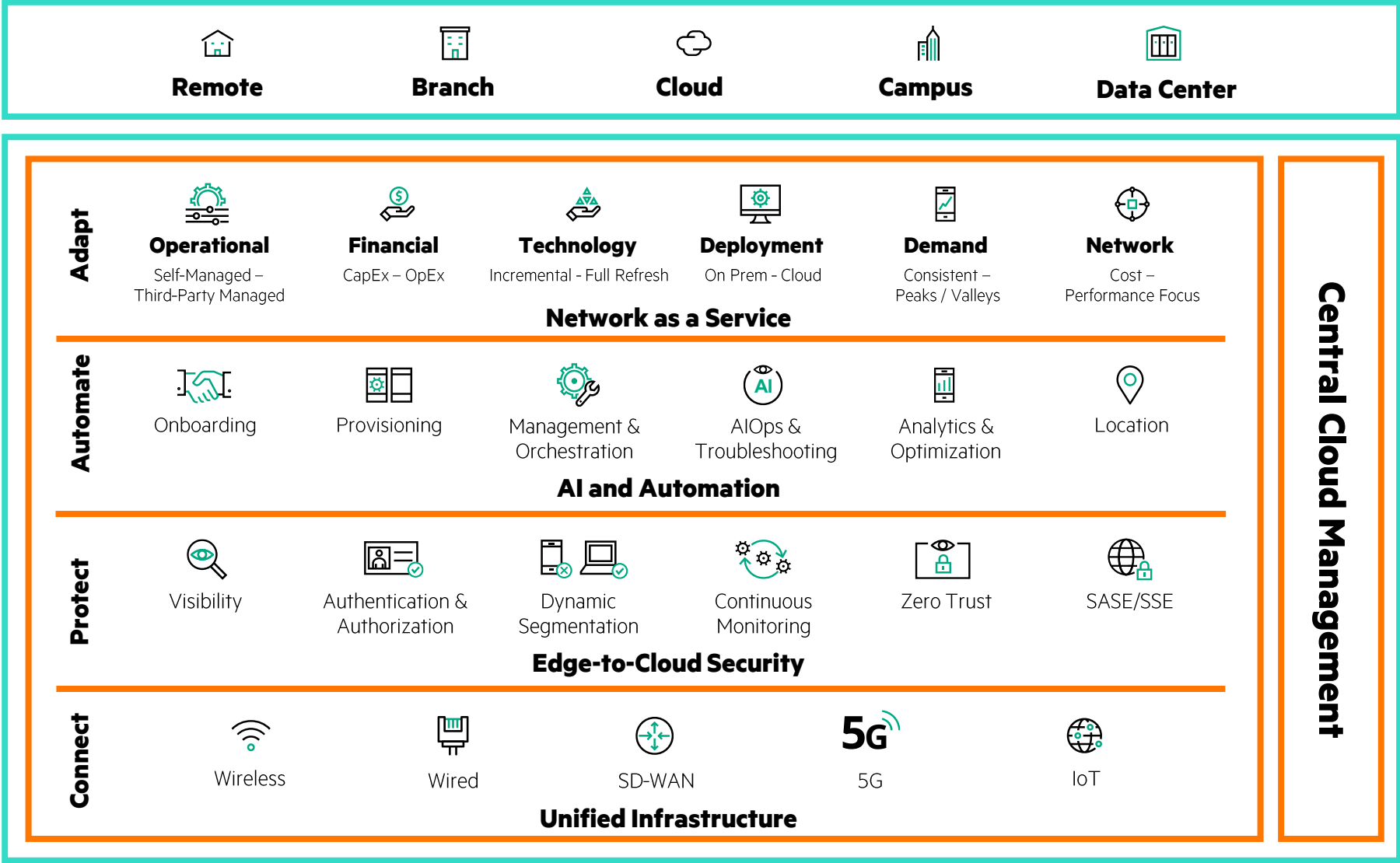
Branch



9004 / 9004-LTE

Small form factor, with or without LTE

Orchestrating Network Services from Edge-to-Cloud





Thank You

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