



NOKIA

Broadband for the future now

Nokia fixed networks

FN portfolio strategy: Broadband Zero

Zero left behind

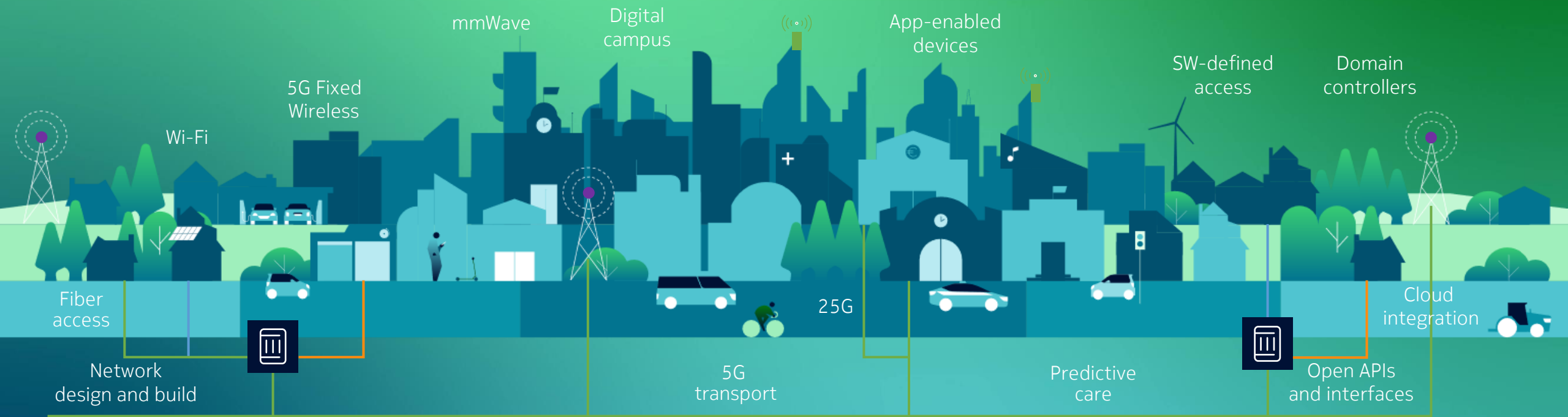
Connect everyone and everything

Zero limits

Innovative technologies for new use cases and business models

Zero touch

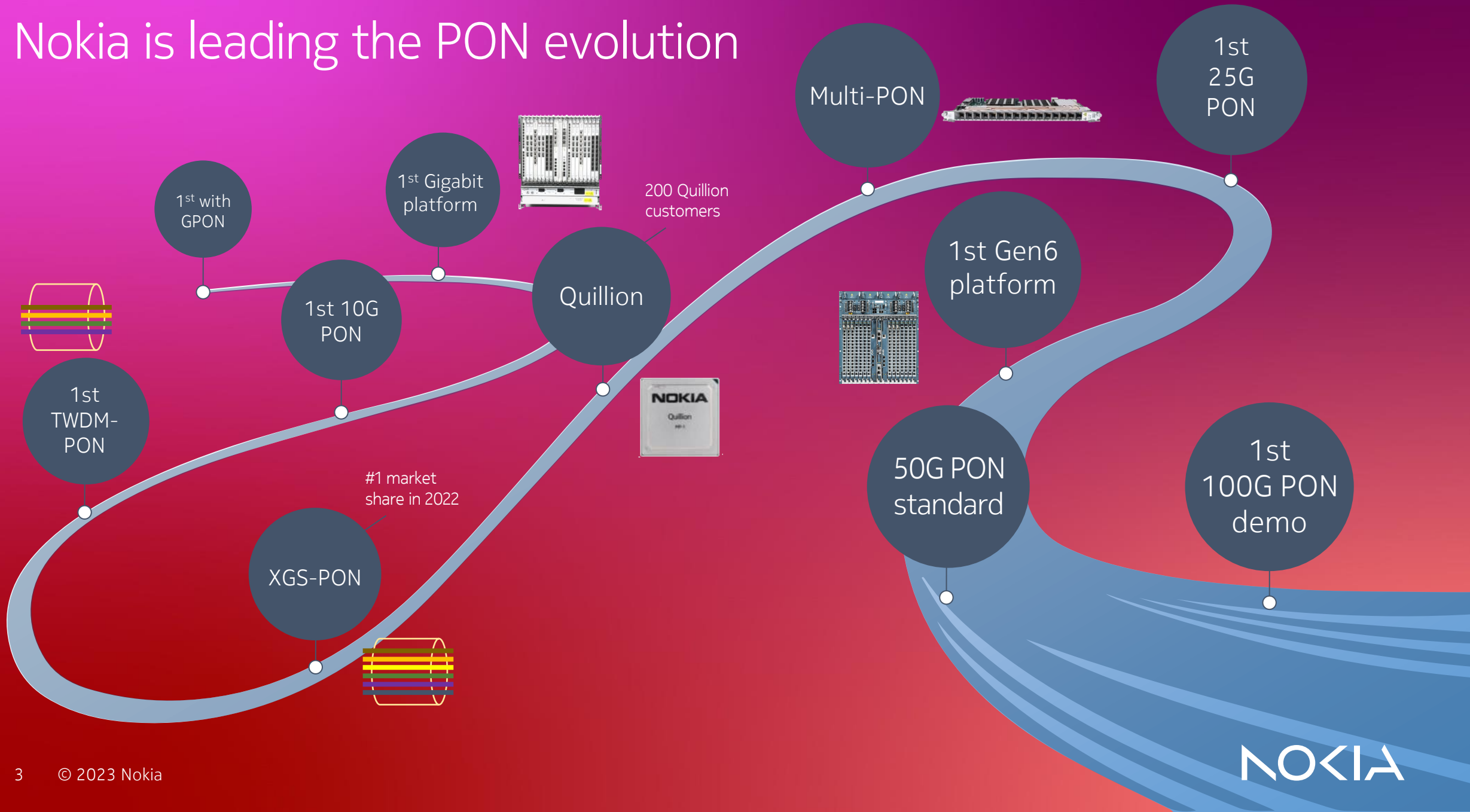
Automate and optimize the network



Zero waste

Delivering the benefits of broadband while minimizing environmental impact

Nokia is leading the PON evolution



Enhancing the portfolio for any deployment, any service

up to 8x GPON/XGS/MPM
up to 4x 25GS-PON ready
up to 2x 100GE | 8x 25GE uplinks



up to 32x GPON
up to 16x XGS/MPM
up to 8x 25GS-PON ready
up to 4x 100GE | 16x 25GE uplinks



up to 16x GPON
up to 8x XGS/MPM
up to 4x 25GS-PON ready
up to 100GE | 4x 25GE uplinks



up to 32x GPON
up to 32x XGS/MPM
up to 16x 25GS-PON ready
up to 4x 100GE | 8x 25GE uplinks



ISAM/Lightspan

FX-16

ISAM/Lightspan

FX-8

ISAM/Lightspan

FX-4

Lightspan

SF-8

Lightspan

DF-16GM
(1RU)

Lightspan

DF-32GM
(1RU)

Lightspan

MF-2
(2RU)

Lightspan

MF-14

Chassis-based design,
optimized till and including 25GS-PON
new LTs : FWLT-C, FGUT-A, FGLT-D, FGLT-E

All-in-one “pizzaboxes”,
optimized for GPON and XGS-PON (MPM)
and 25GS-PON capable (except DF-16GM)

Chassis-based design, optimized
for **25GS-PON, 50G and beyond**
new LTs : LGLT-D, LWLT-C

Nokia Multi-PON Buy 10 – get 25



One card – multiple flavors

- GPON
- XGS-PON
- GPON and XGS-PON co-existing
- 25GS-PON

High performance

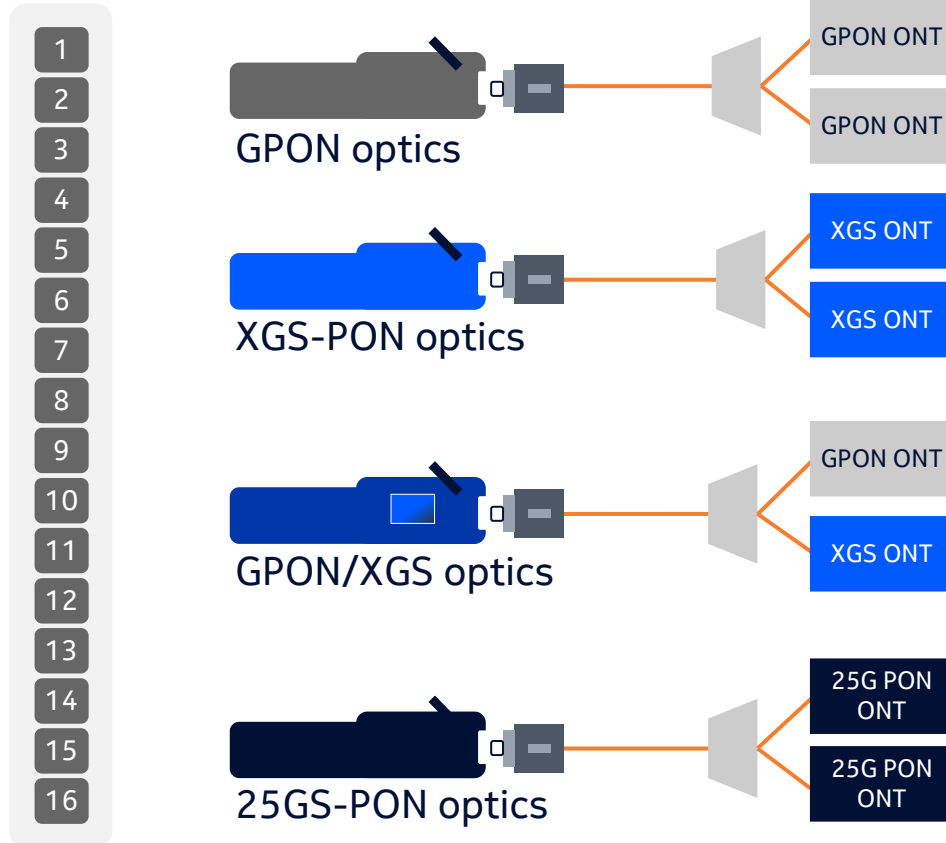
- High density
- Non-blocking
- 50% less power consumption
- Low latency

Intelligent evolution

- Pay-as-you-grow
- SDN enabled
- Less equipment, less re-cabling
- Fast time to market with 10G services

Nokia Multi-PON: mix & match PON flavours

Multi-PON card



One card - multiple PON flavours

- GPON
- XGS-PON
- GPON and XGS-PON co-existing
- 25GS-PON

High performance

- 16 ports: ideal for 1:1 migration to 10G PON
- 200Gb/s non blocking backplane
- Up to 50% less power consumption
- Time critical functionality for 5G Anyhaul

Intelligent evolution

- Available on existing ISAM FX shelves
- SDN enabled
- Pay-as-you-grow schemes
- Less equipment, less re-cabling
- Faster time to market with 10G services

Turn-key Deployments

Sized right and available now

Broad range of OLTs for every deployment scenario from cabinet to strand mount

GPON, XGS ONTs and whole home Wi-Fi, integrated or Beacon mesh

Highly compact IP/Ethernet aggregation routers for the middle mile

Industry leading BNG solutions

OSP cabinets



Lightspan FX



Lightspan MF-2



Lightspan DF-32



Lightspan SF-8M

WiFi beacons



Beacon 2



Beacon 6



Beacon G6

Gateway ONTs



Data and voice ONTs



7750 SR-1



VSR-a



Broadband edge

7250 IXR-X



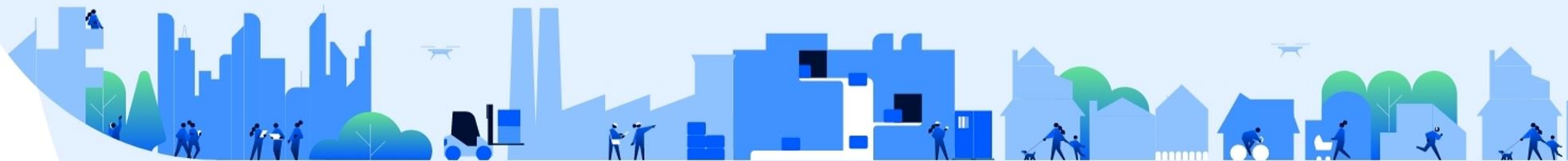
7250 IXR-e



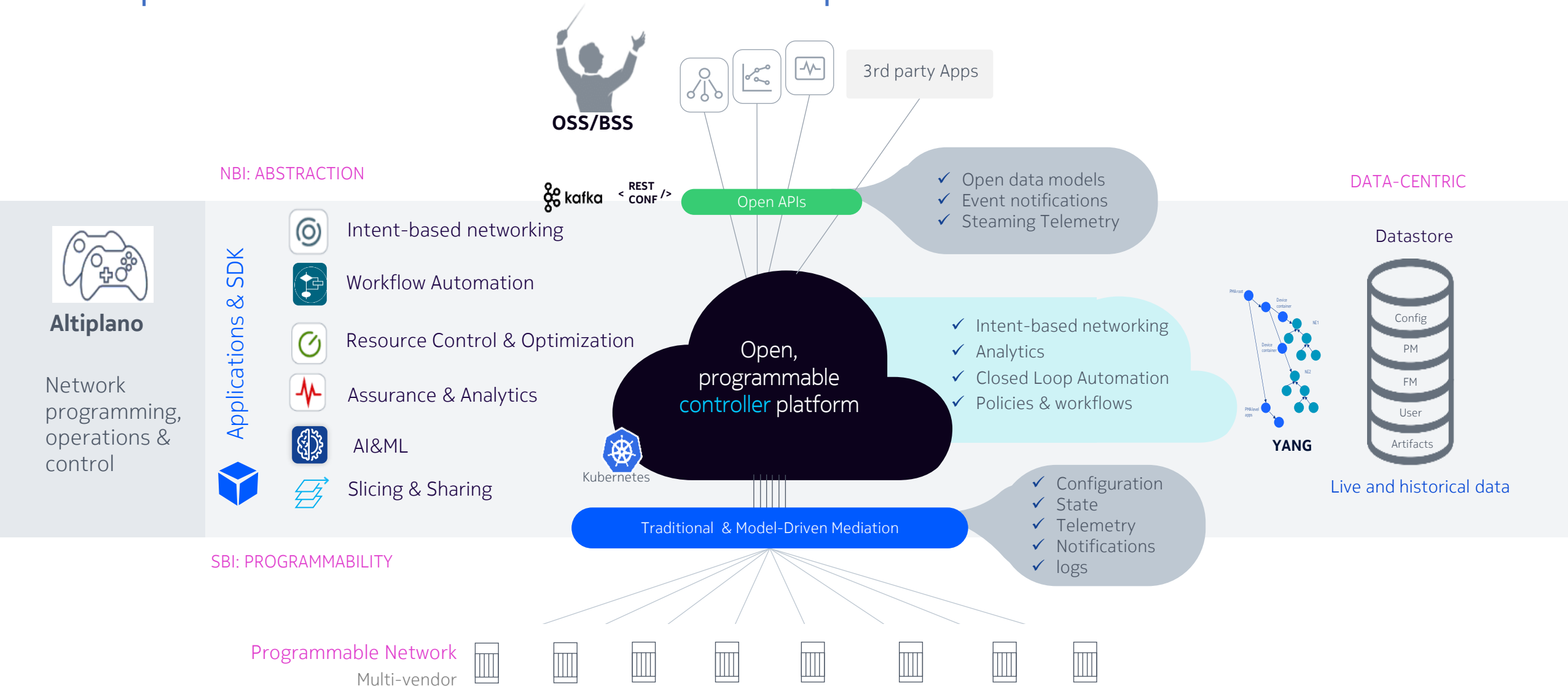
Aggregation

Fiber access

Home devices



Altiplano Access Controller : A complete suite for automation



Perfect broadband in every corner of your home

Improve the end-user experience

- Manage their Wi-Fi
- New features and capabilities



Embrace openness

- Application containers for a flexible introduction of 3rd party services
- TR-369 / USP services architecture
- EasyMesh

Nokia Corteca

Smarter broadband for a better experience

Corteca (n): from cortex; the core technology and intelligence that connect everything

Corteca for Experience

Deliver unstoppable Wi-Fi

Corteca for Operations

Reduce your OPEX

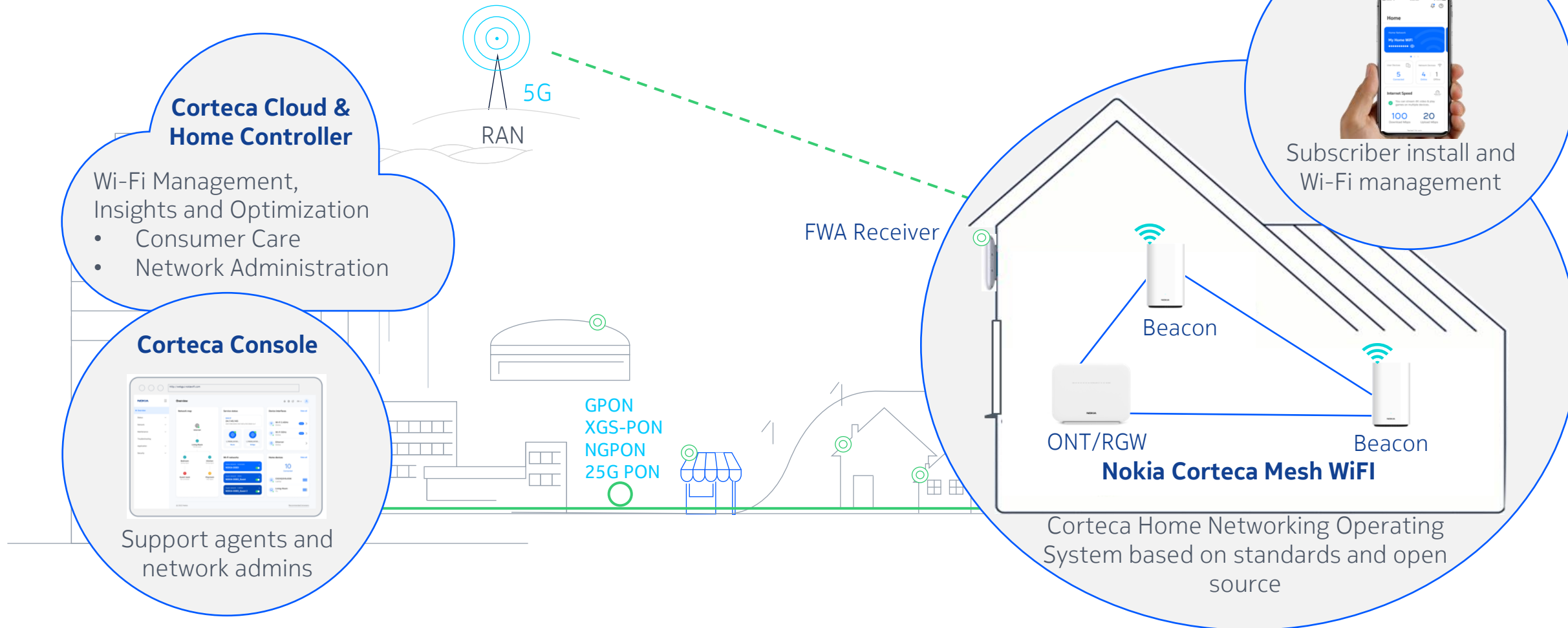
Corteca for Revenue

Monetize new service offers



Our Solution

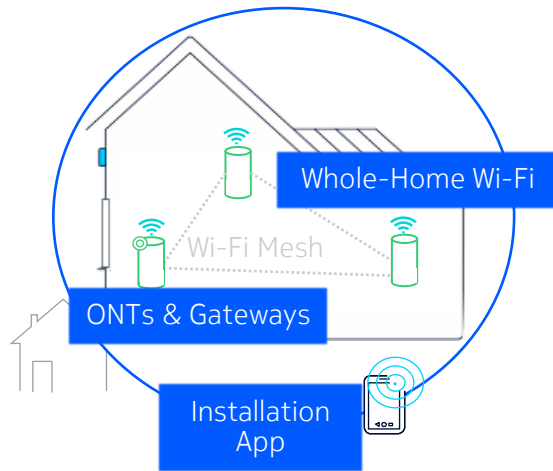
Carrier Grade WiFi enabling a World Class Customer Experience



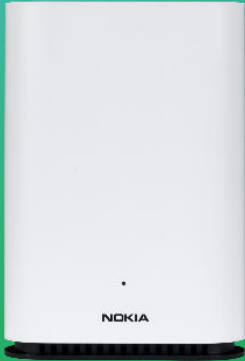
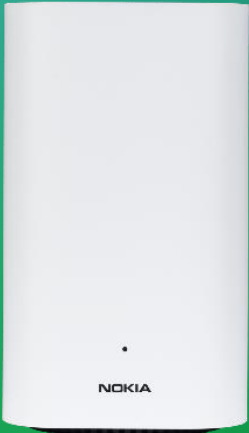
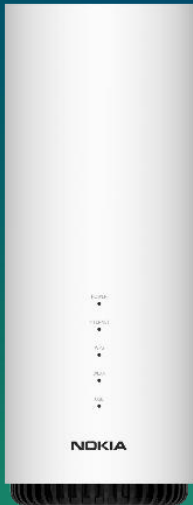
Nokia Customer Premise Portfolio

Enabling a variety of user connectivity

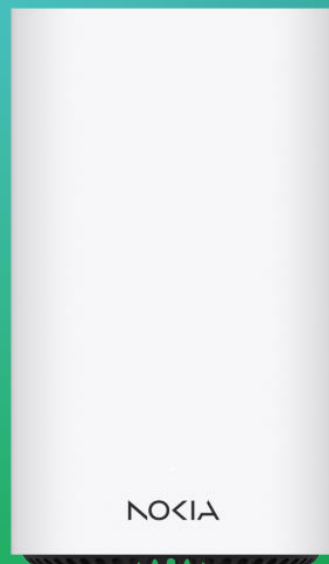
Available Now



Mesh-enabled Nokia WiFi Beacons

					
Beacon 1.1	Beacon 2	Beacon 3.1	Beacon 6	Beacon G6	Beacon 10
AC1200 (2+2)	AX1800 (2+2)	AX3000 (2+2)	AX4200 (2+2+4)	AX6000 (4+4)	AX10200 (2+4+4)
1x GE WAN	1x GE WAN	1x GE WAN	1x GE WAN	1x 2.5GE WAN	1x 10GE WAN
2x GE LAN	1x GE LAN	2x GE LAN	2x GE LAN	1x 2.5GE, 2x GE LAN	1x 2.5GE, 2x GE LAN
-	-	-	1x USB	Beacon G6.2: PoE+	Later: PoE+, POTS

Nokia WiFi 7 Beacons and ONT



Beacon 24

BE24000 (4+4+4+4)

1x 10GE WAN

1x10GE, 2x 2.5GE LAN

Later: POTS

Available Q1 - 2024



XS-2437X-B

BE19000 (4+4+4)

XGS WAN

1x 10GE, 2x1GE LAN

2x POTS

Available Q3 - 2024



Beacon 19

BE19000 (4+4+4)

1x 10GE WAN

1x 10GE, 2x1GE LAN

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Available Q3 - 2024



Beacon 9

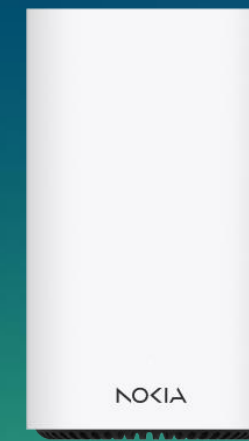
BE9200 (2+2+2)

1x 2.5GE WAN

1x 2.5GE, 1xGE LAN

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Available 2H - 2024



Beacon 7

BE7000 (2+4)

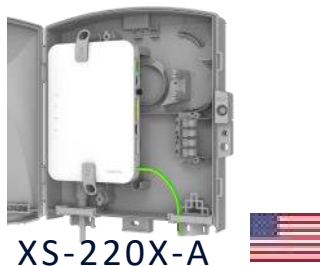
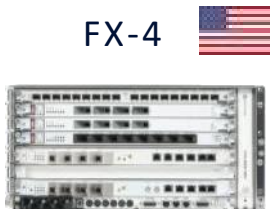
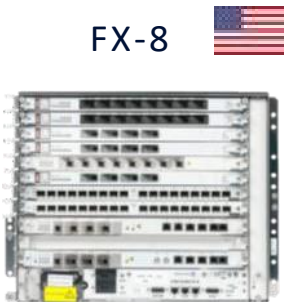
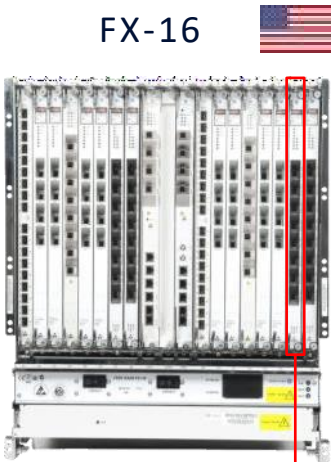
1x 2.5GE WAN

1x 2.5GE, 1xGE LAN

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Available 2H - 2024

Nokia's BABA Compliant FTTH Portfolio



IP and Optical Equipment are Waived