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Gigabit Greece: eliminating the roadblocks to deliver full fiber and enable the new era of digital services

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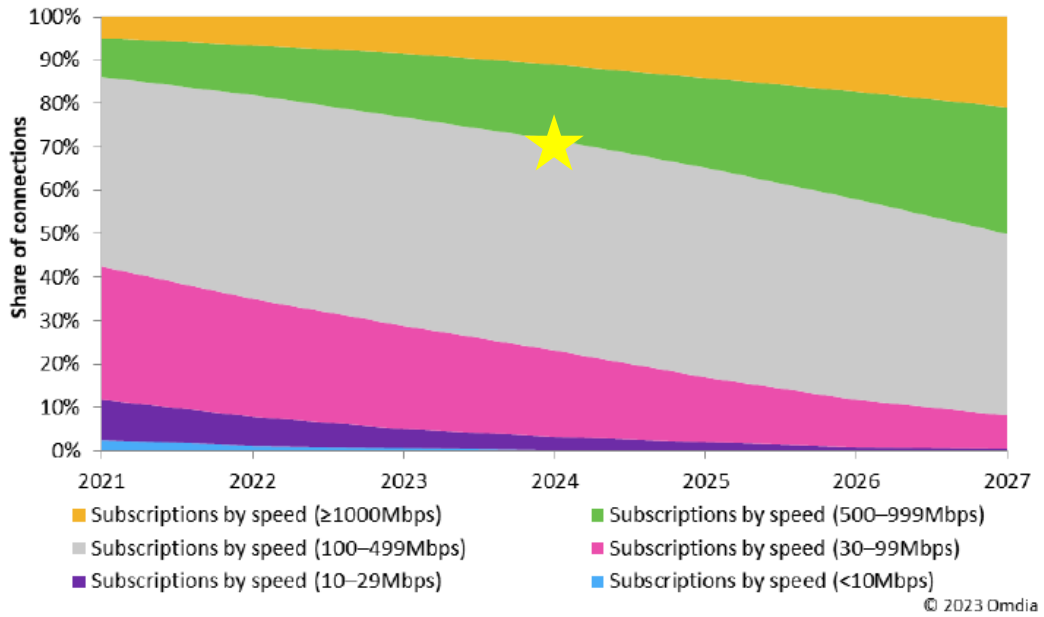
Full fiber means more than Gigabit connectivity

1. Figure 1: Western Europe, consumer broadband subscriptions by speed, 2021–27



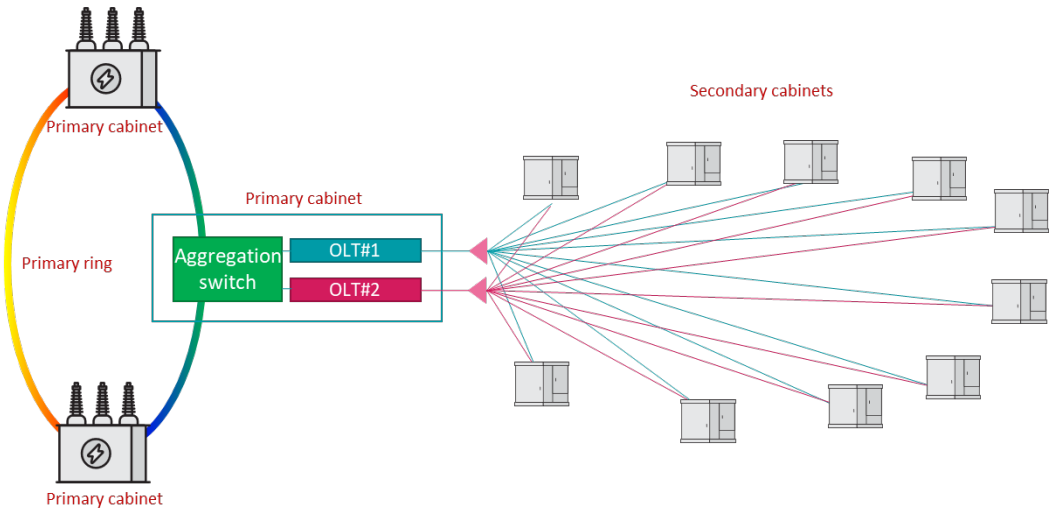
EU Digital Agenda target: «Gigabit connectivity to 100% European citizens by 2030»

Fiber is much more than connectivity. It is the foundation of digital, sustainable services, shaping the future of our society.

Fiber as Smart Grid management network

Best solution:

PON + protection at Ethernet path level

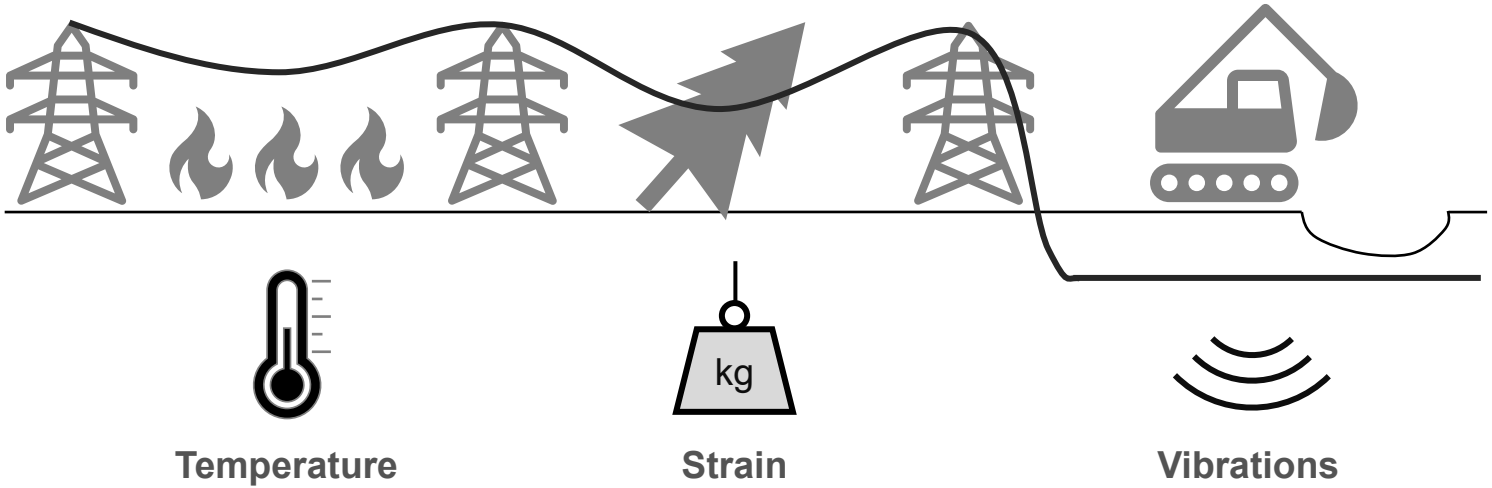


Benefits:

- ☺ <15ms failover time, low enough to maintain service continuity
- ☺ Widest span protection
- ☺ Most popular solution among vendors

Confidential
General Business

Turn the fiber into an optical sensor



Amplitude, phase and polarization information allow for different types of event detection

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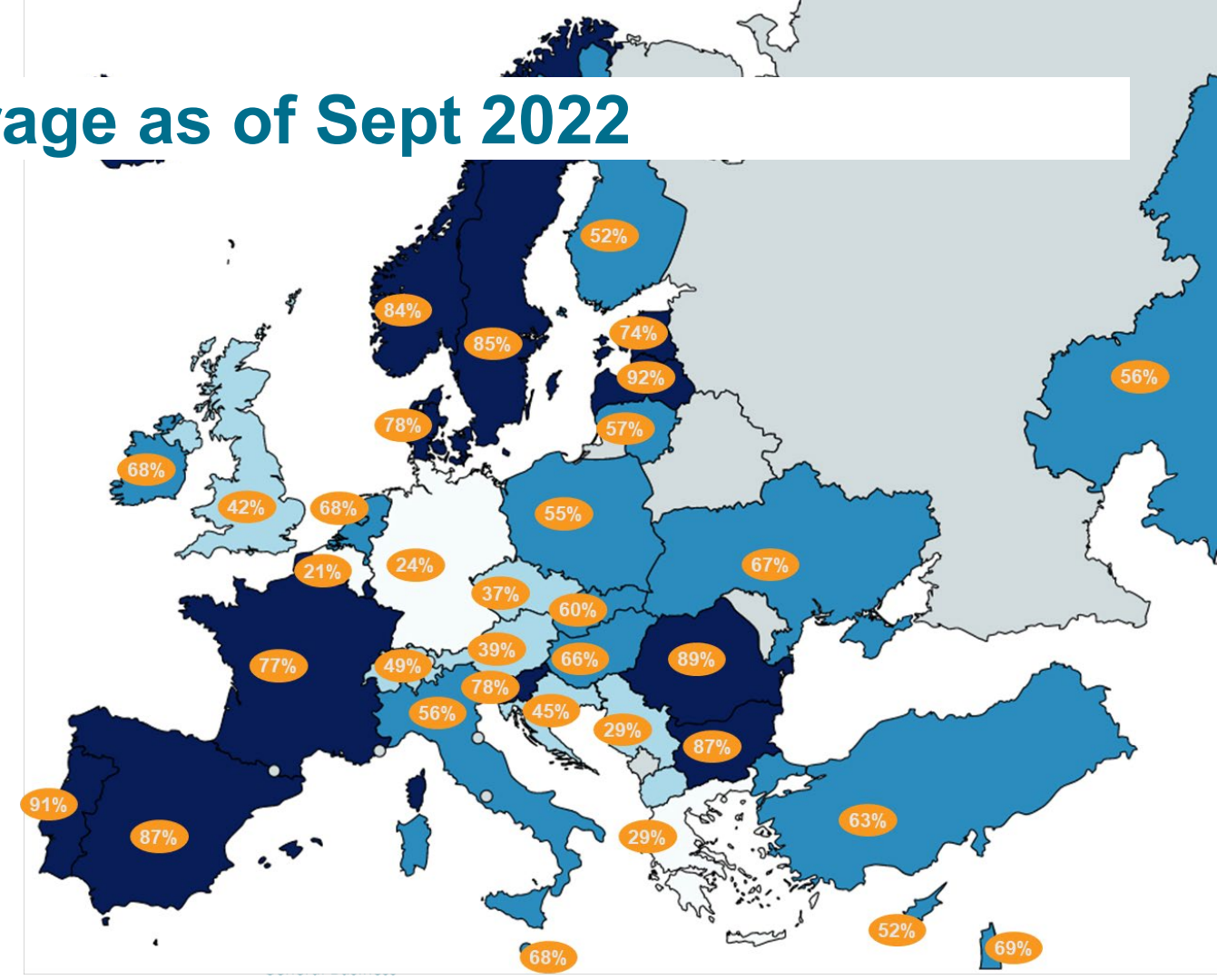
FTTH/B coverage as of Sept 2022

Greece is in the lowest FTTH coverage group …



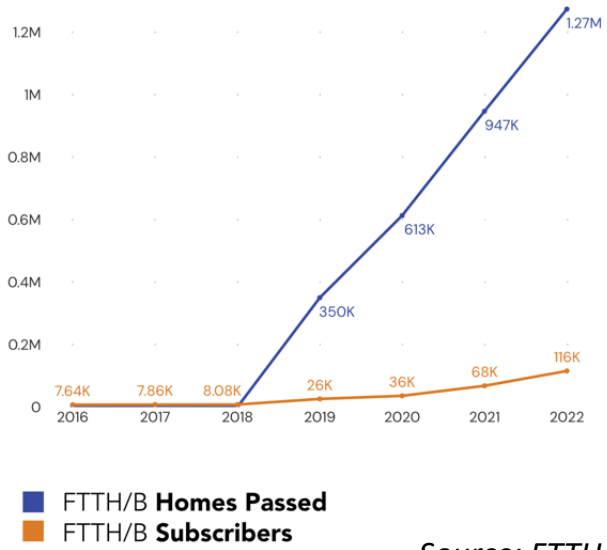
Source: FTTH Council 2022

The FTTH/B trends for Greece

…but **something has started moving** in the last couple of years.

Need to put in place a **virtuous ecosystem**, and avoid technology road blocks, for Greece to meet the EU DA target.

Trends of the main FTTH KPIs



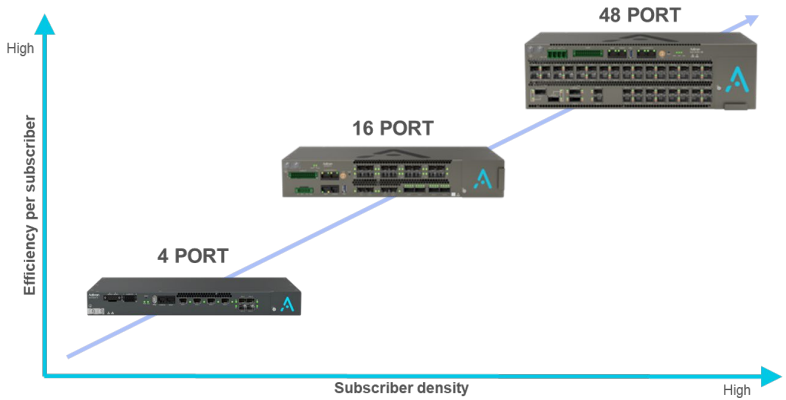
Projection: ~ 80% FTTH coverage by 2030

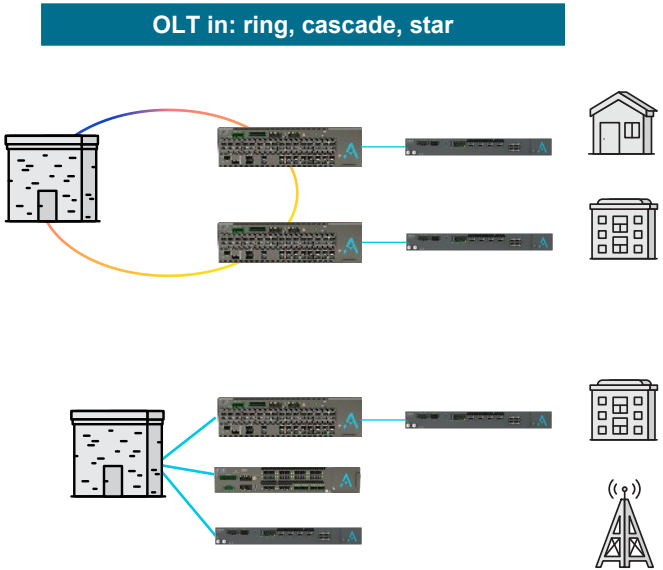
Source: FTTH Council 2022

General Business

Avoiding tech. road blocks (1/3)

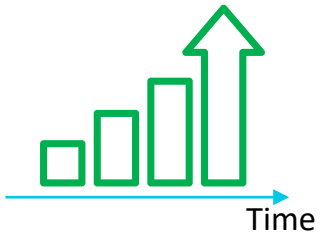
Deploy a **FTTH OLT capable of scaling down & implement flexible topologies** (ring, cascade, star)





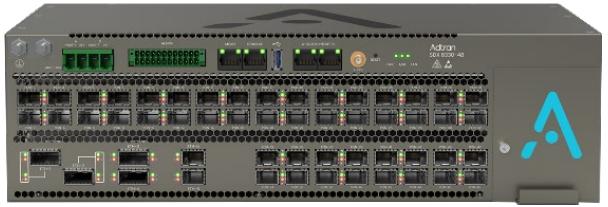
General Business

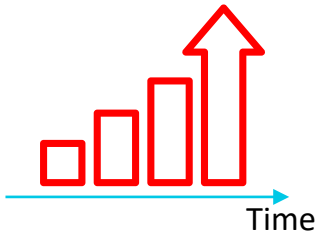
Avoiding tech. road blocks (2/3)



Uplink capacity

An FTTH OLT platform capable of **delivering non blocking services, seamlessly**, when needed.





Traffic per user

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General Business

Avoiding tech. road blocks (3/3)

An FTTH OLT platform that can **seamlessly evolve to the future speed** (10G this decade and **50G next decade**), maintaining same density and improving power efficiency

240
10GPON ports

240
50GPON ports

50GPON Leaf

+

- ✓ Swap / add just the needed OLT
- ✓ **Same PON modularity**, minimize operative costs

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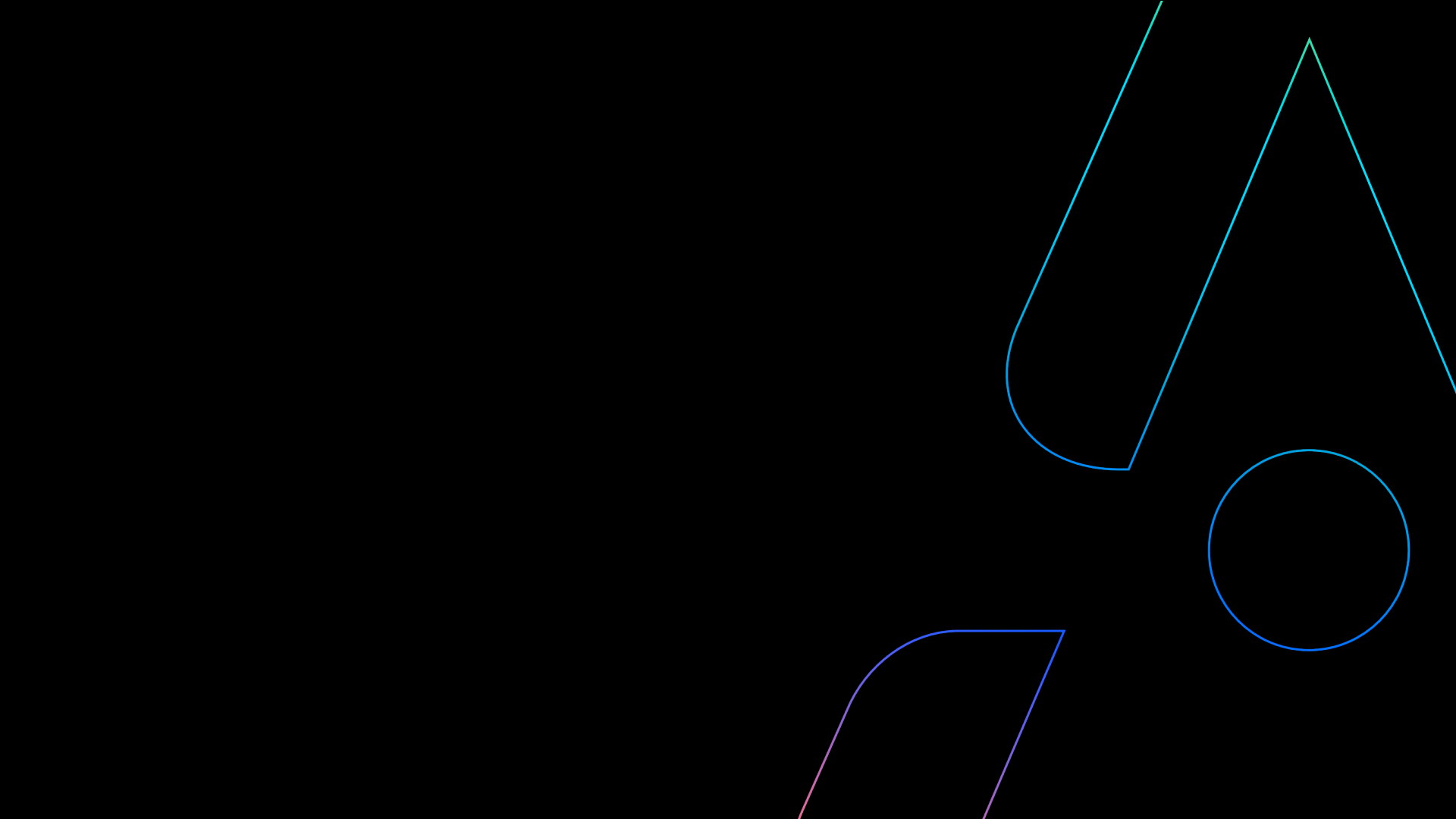
General Business