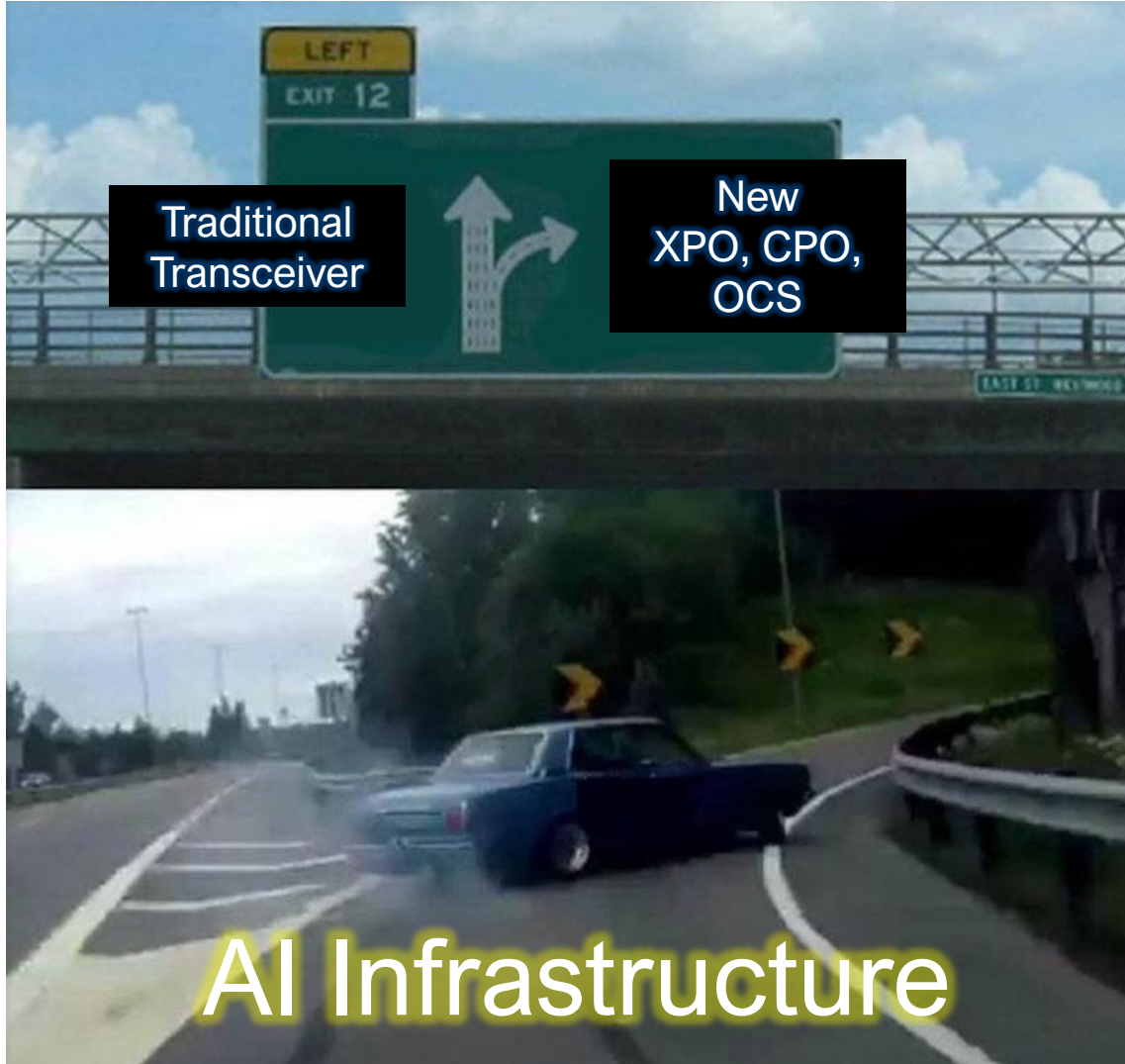


1.6T and Beyond: Innovations in High-Speed Technology

Anabel Alarcon
Product Line Manager

EXFO

OUR CURRENT REALITY

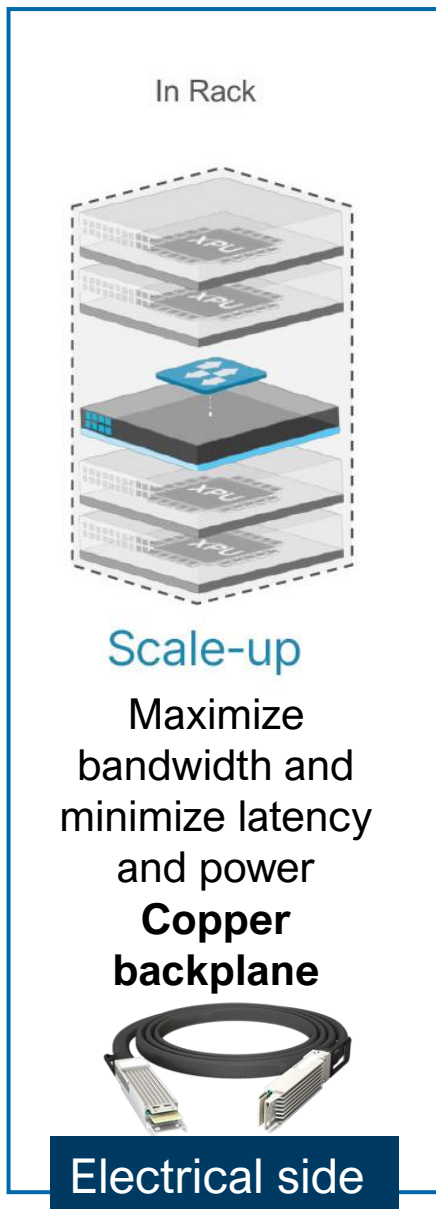


Adapt **QUICKLY** to every tech change



AI INFRASTRUCTURE

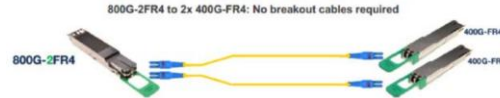
Every
layer and
interface
used has
its own
challenges



800G OPTICS LESSONS LEARNED



We are a leading test and measurement company, recognized globally as the #1 on fiber testing. We develop solutions to test traffic and transceivers cross lab environments and real-world field deployments.



Transceivers
Breakout

IEEE
Standard

2022

2025

Switches

Coherent
Transceiver



2026

- Most popular form factor OSFP
- Most popular types 800xFR4 and 800xDR4
- Single Mode fiber, LC connectors are the most popular



1.6T CHARACTERISTICS AND STATUS



Interfaces support 200G.

Twice the previous generation

Transceivers Breakout

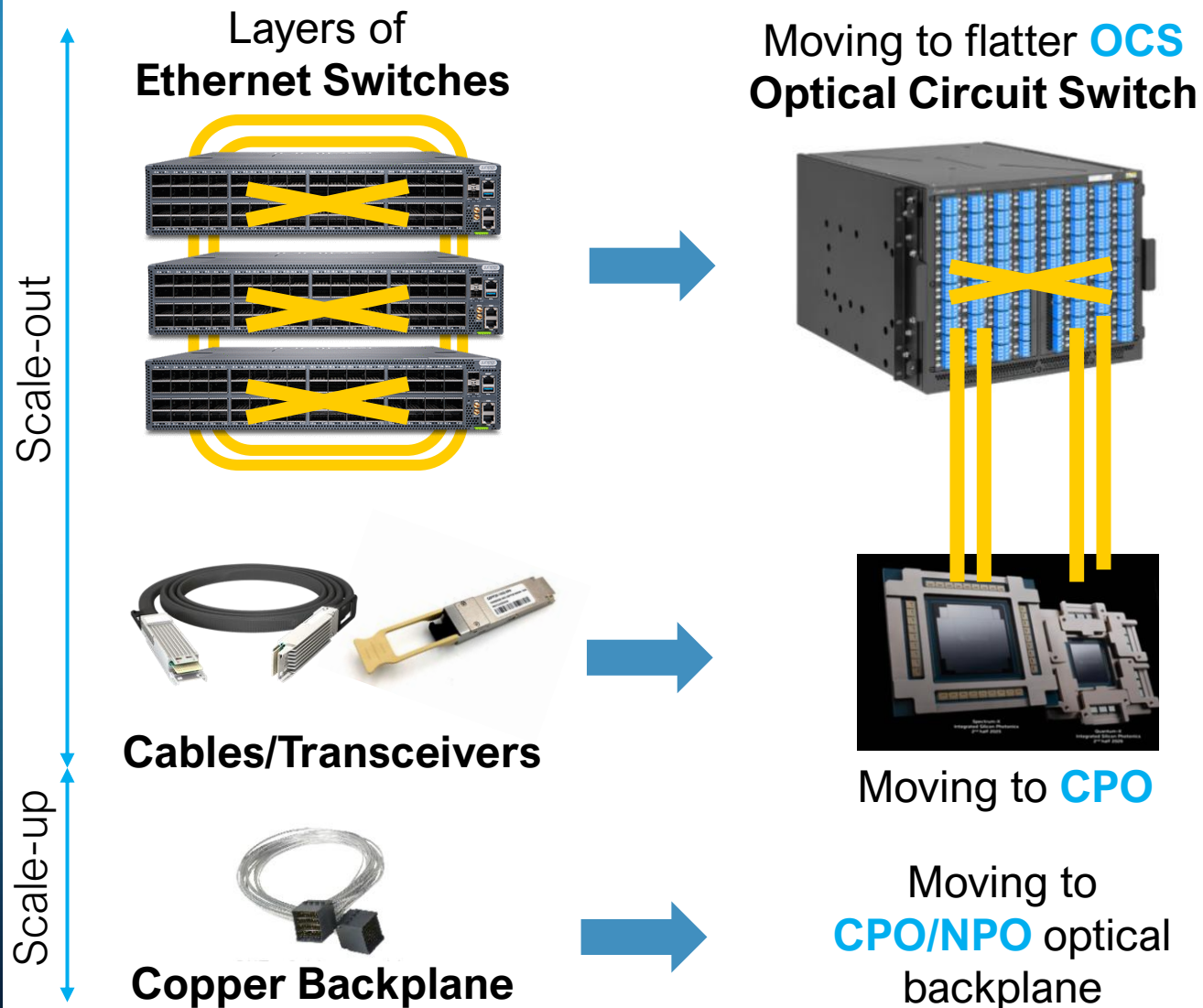
IEEE 1.6T Standard



Switches



1 NEXT FRONTIER



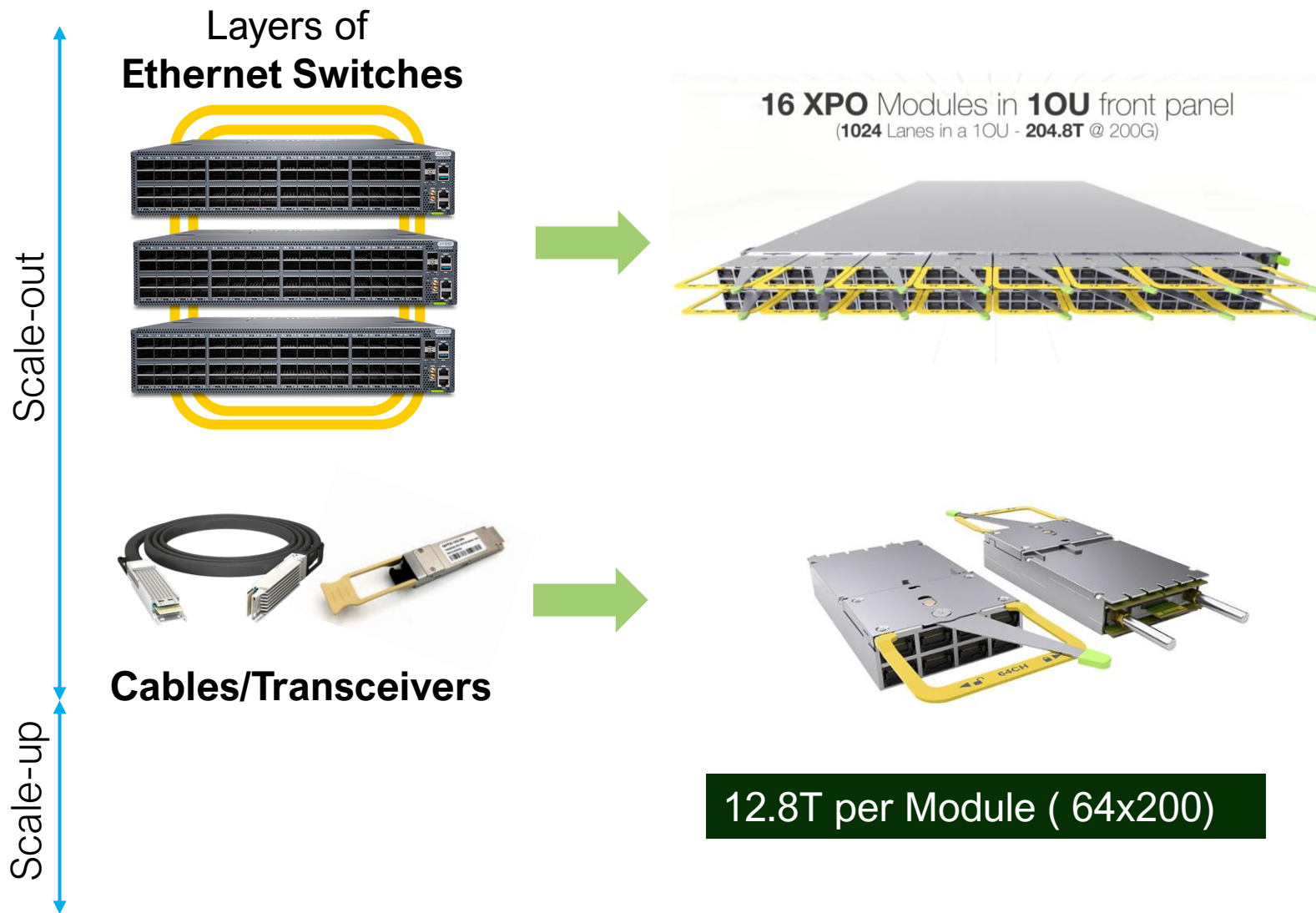
CPO+OCS Benefits in scale-out

- Low power consumption, latency
- Speed agnostic, reconfigurable
- **Fiber Validation, Troubleshooting, Replacement**
- Standard on Switching time, Insertion loss, type of connectors, number of insertion

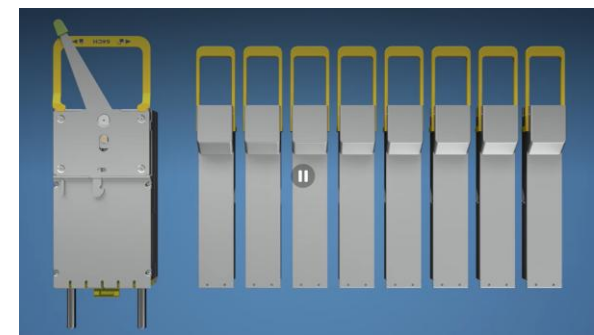


New Tech, Robotic Arms

② NEXT FRONTIER NEW!! Form Factor



- 75% Size Reduction
- Same challenges as transceivers
- Liquid Colling
- Power Consumption (~194W)



BEYOND 1.6T

3.2T is in the works still
in the works

There are a lot of
Possibilities

3.2T



Let's get CREATIVE

THANK YOU!



Anabel Alarcon

Product Manager @EXFO

