



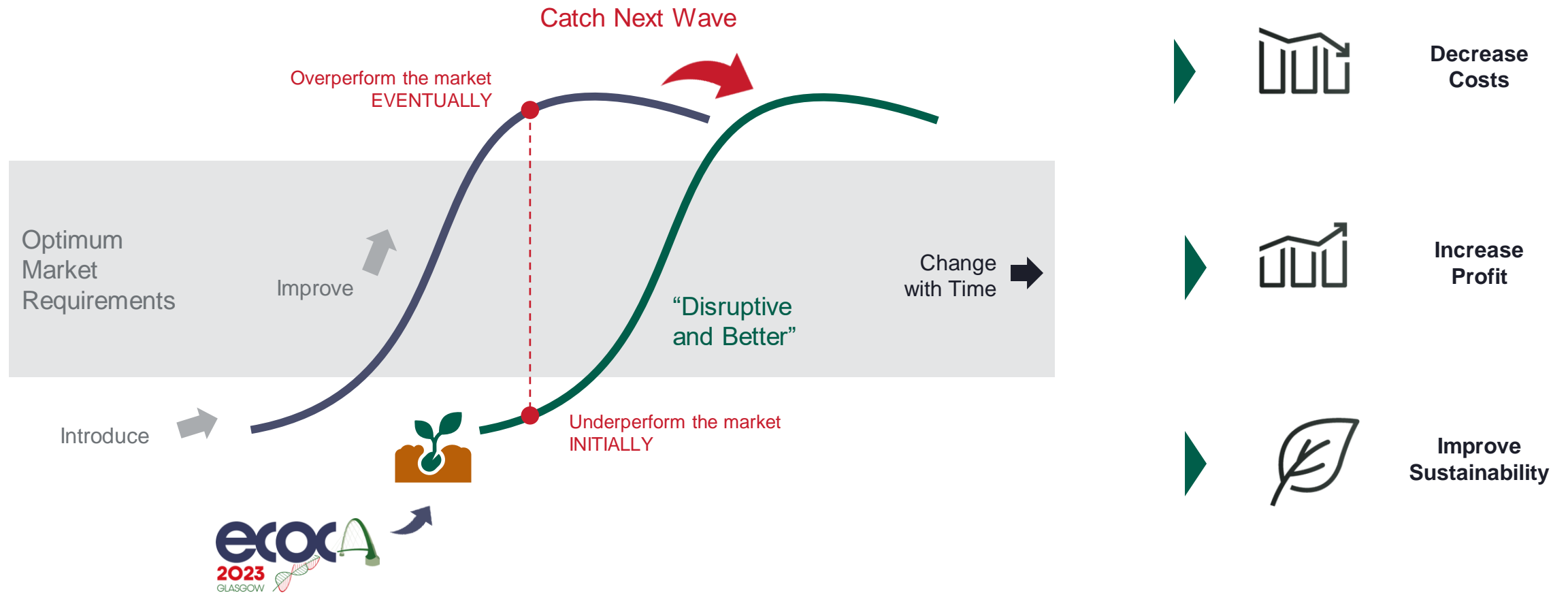
Optimal Support of IP, Optical, and Computing Functionalities

Loudon Blair
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ECOC 2023, Glasgow, Sunday 1st October 2023

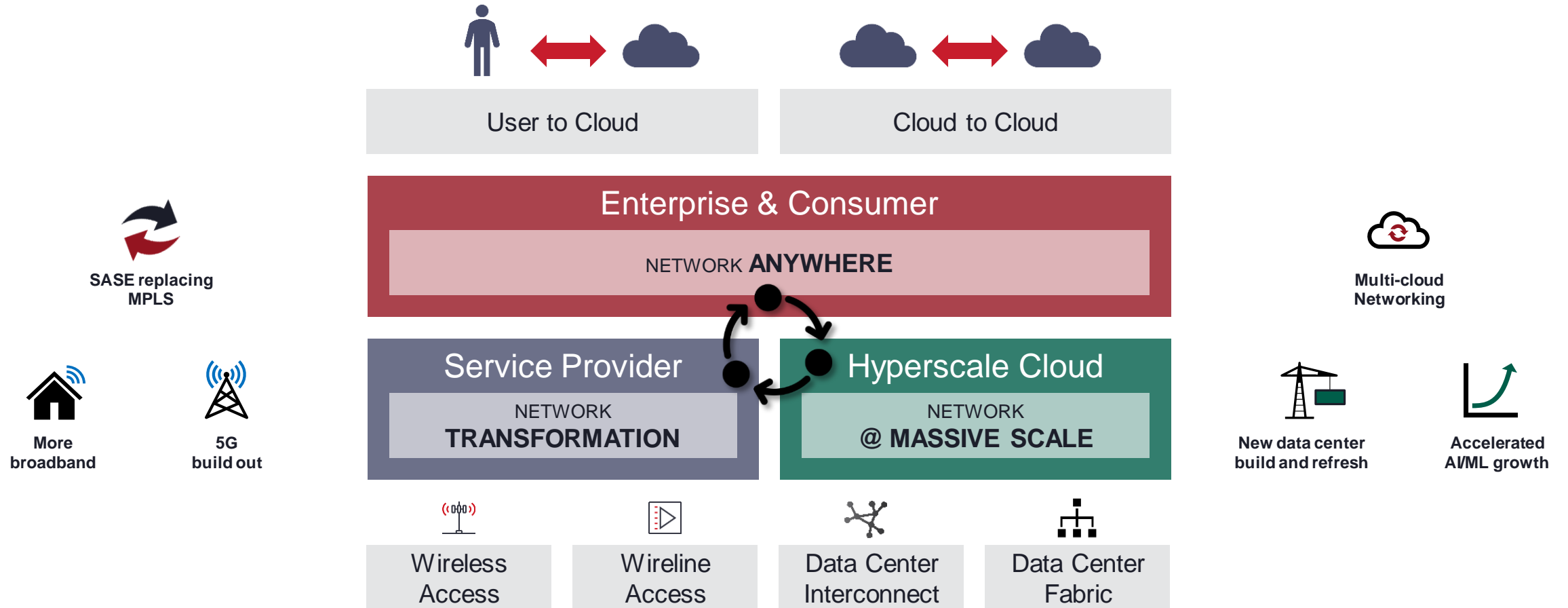
Su.B.7: F5G Optical Network Technologies towards 2025 and 2030 – What, Why and How?

Optimization through disruption



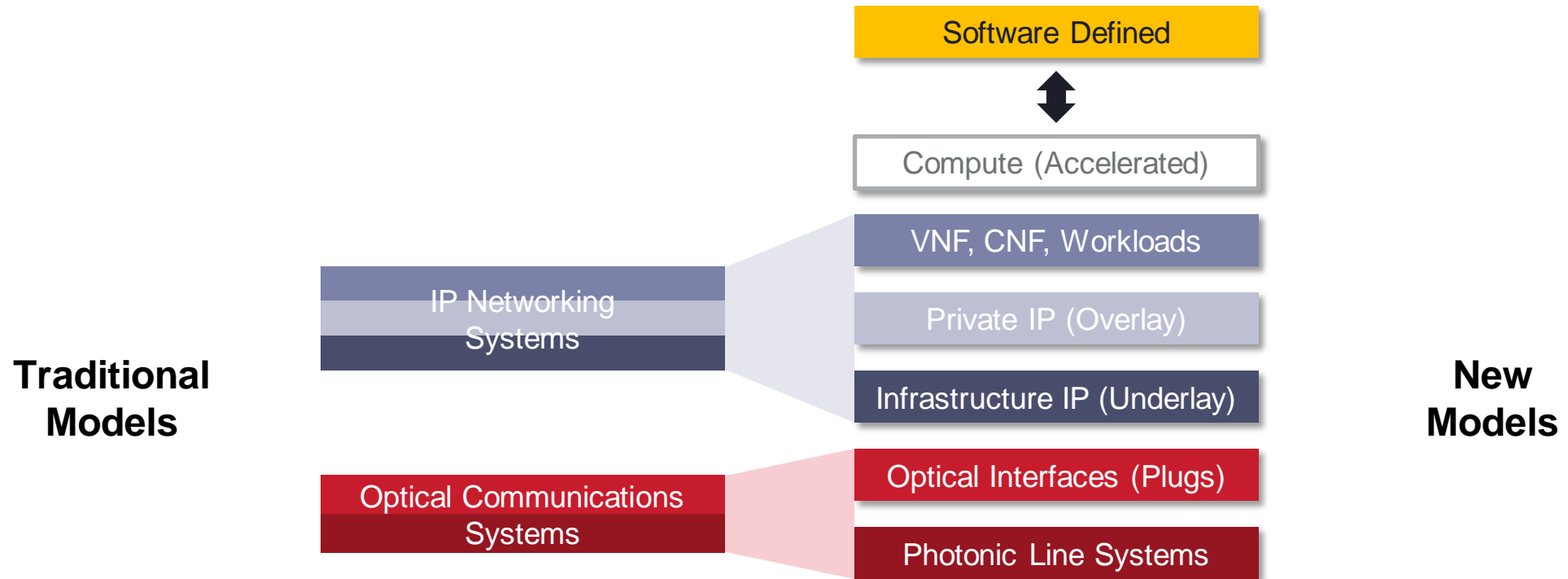
Cloud disruption is creating a “Next Wave” challenge

Disruption of the market



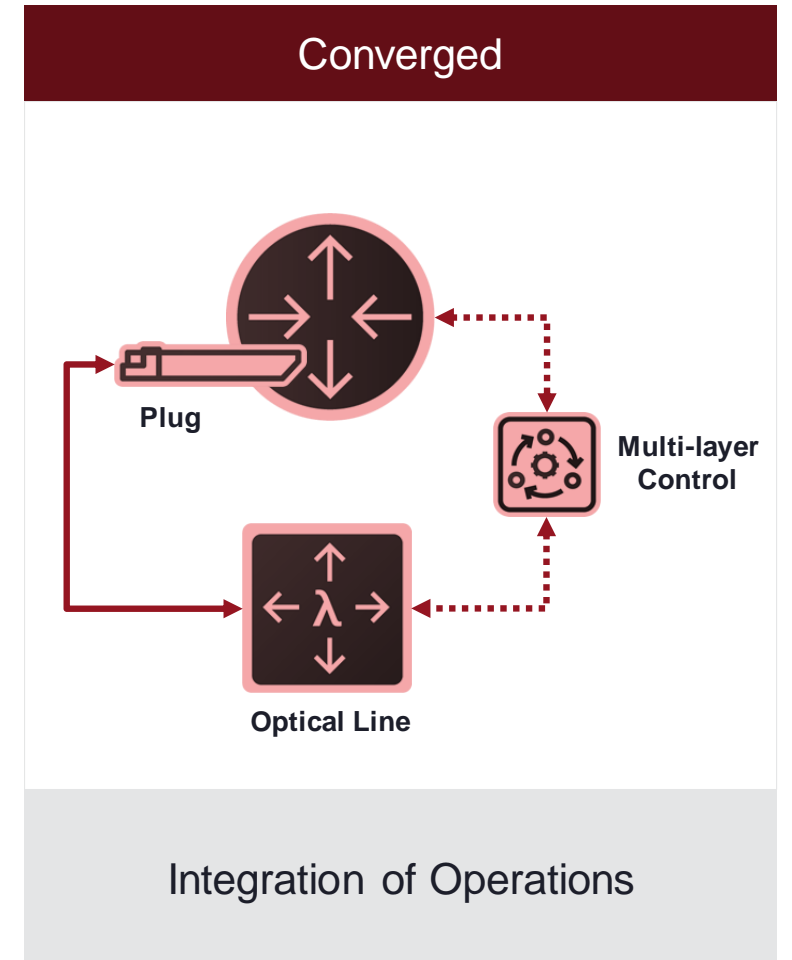
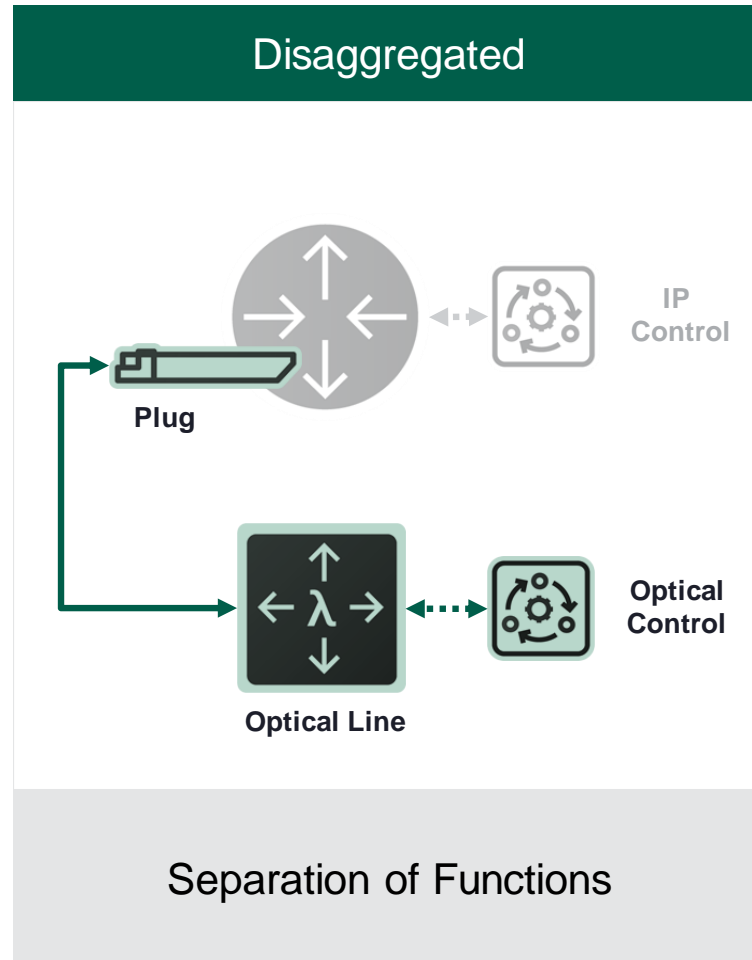
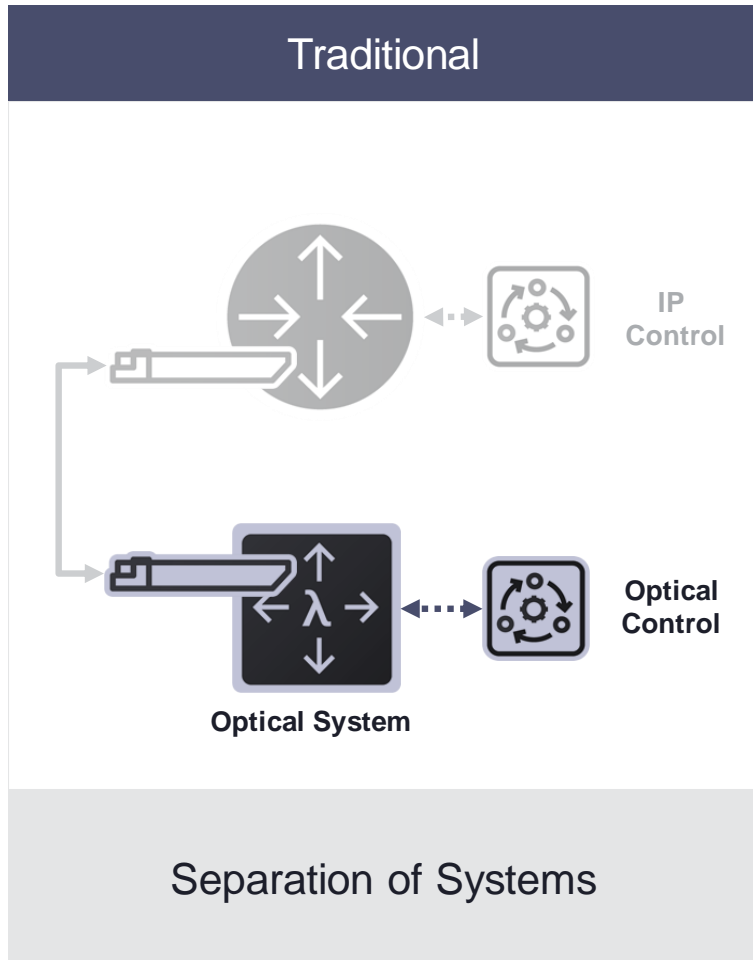
Different sectors have different agendas within a common vision

Disruption of the product consumption model



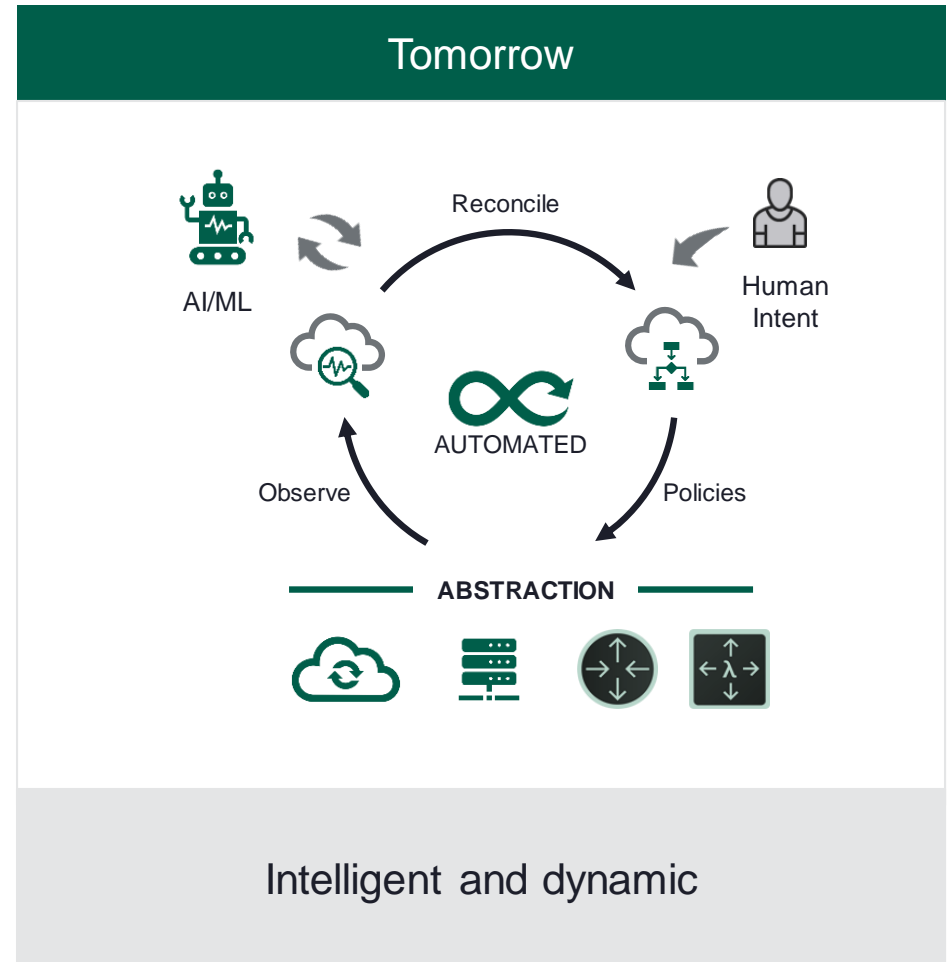
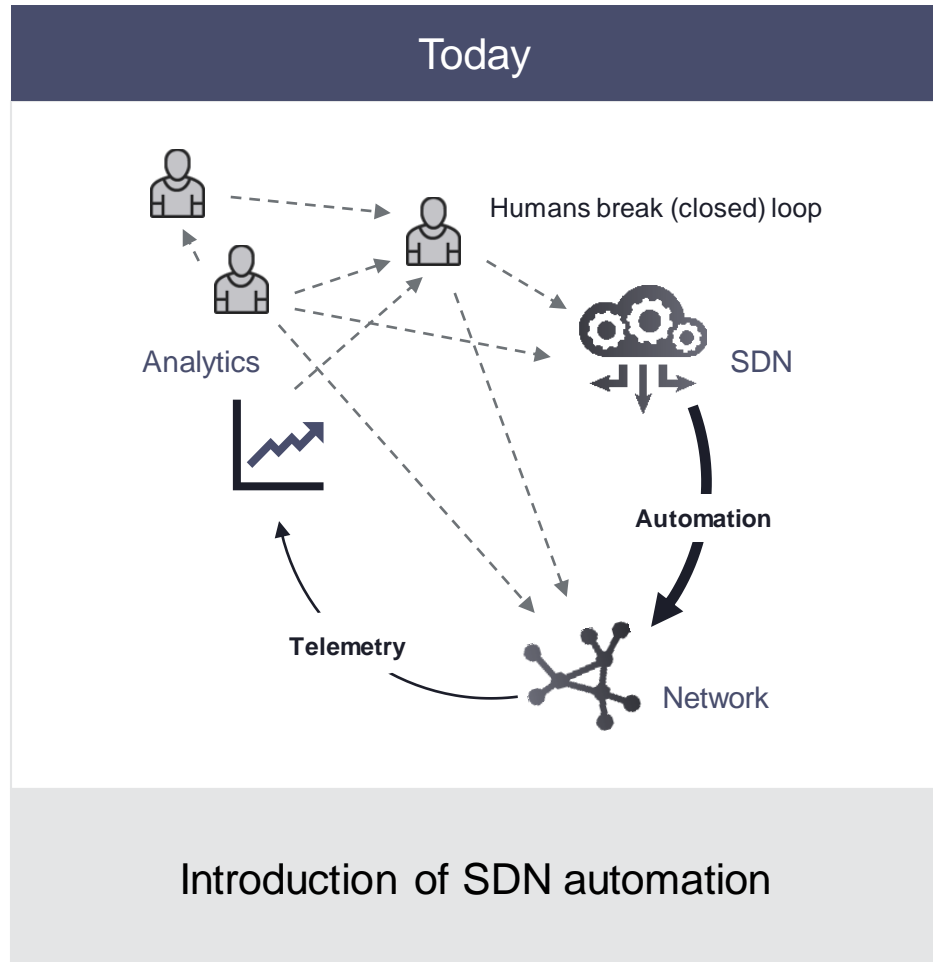
Reimagining novel consumption models and creating markets for new products

Disruption of the optical system



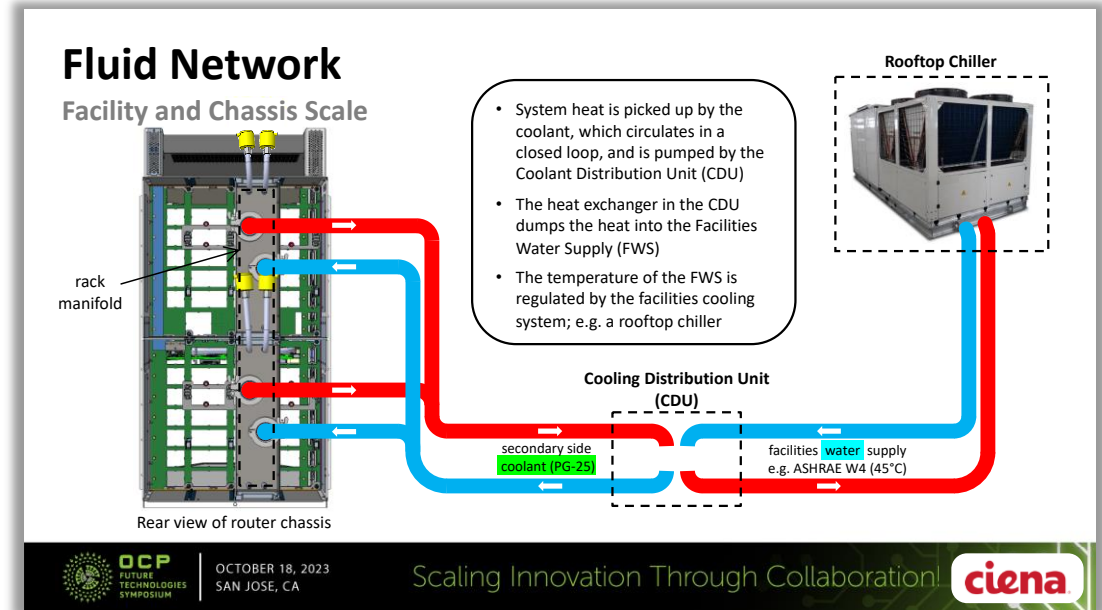
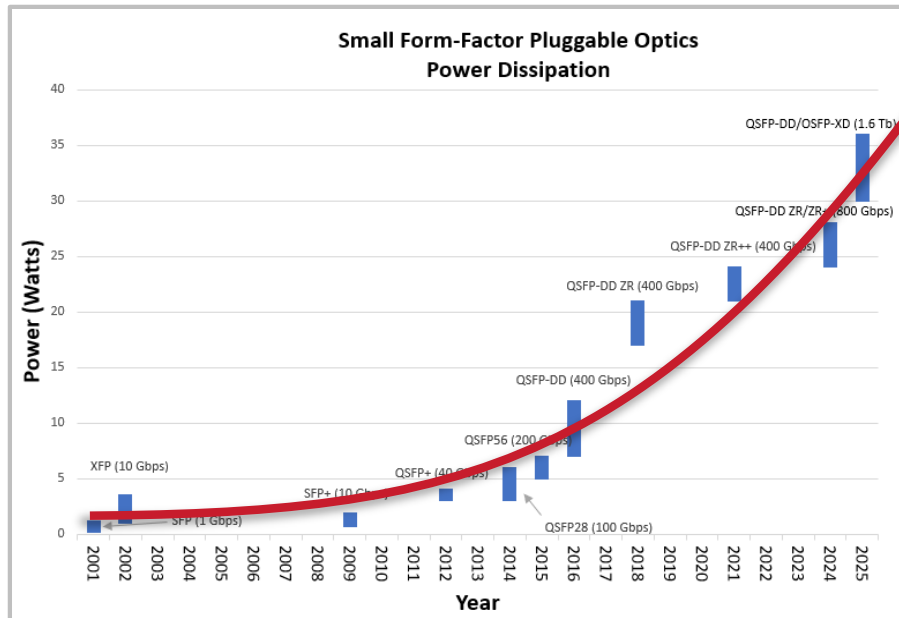
Redefining the boundaries of optical systems

Disruption of operations



Simplifying network control and alignment with computing

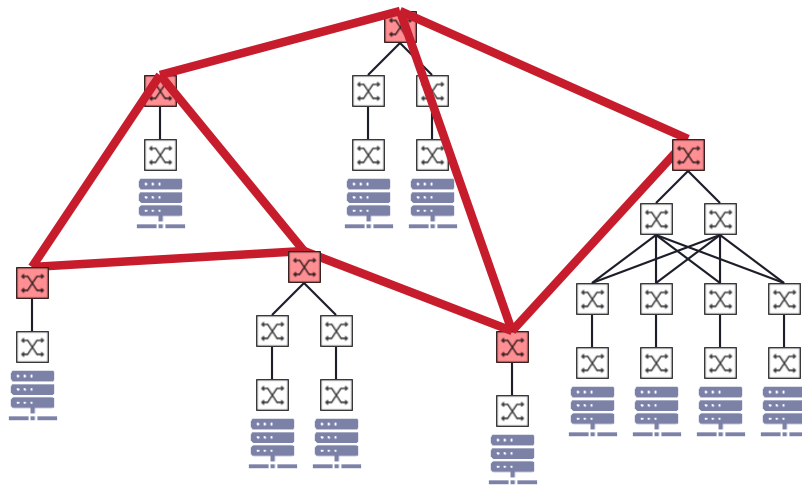
Disruption of facilities



Peter Ajersch, Behzad Mohajer, Michael Bishop, Simon Shearman, Peter Saturley, Marko Nicolici, “Liquid Cooling for Optical Networking Equipment”, OCP Global Summit, October 18, 2023, San Jose, CA

Pushing the limits of power consumption

Conclusion



Distributed Server Interconnection

All aspects of the networking business are being disrupted by cloud

Business targets will be achieved through redefinition of product consumption and operating models

Networks are taking the form of distributed server interconnection fabrics

Disruption of the network



Thank you

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