



ethernet alliance

Panel 3: Why is the 100GbE Single Lambda a Compelling Investment?

Moderator: Scott Kipp - Brocade, President of the Ethernet Alliance

Jimmy Yu – Dell’Oro

Subu Subrahmanyam – Judo Group

Dale Murray – LightCounting

Chris Cole - Finisar

Disclaimer



The views expressed in this presentation are the views of the presenter and not the Ethernet Alliance.

Agenda

Panel 3: Why is 100GbE per Lambda a Compelling Investment?

Session Chair: Scott Kipp

Introduction to Panel 3

9:00 - 9:010

Jummy Yu (Dell'Oro)

9:10 - 9:30

Subu Subrahmanyam (Juda Group)

9:30 - 9:50

Dale Murray (LightCounting)

9:50 - 10:10

Chris Cole (Finisar)

10:10 - 10:30

Panel Discussion

10:30 - 11:00

Ethernet Alliance Roadmap



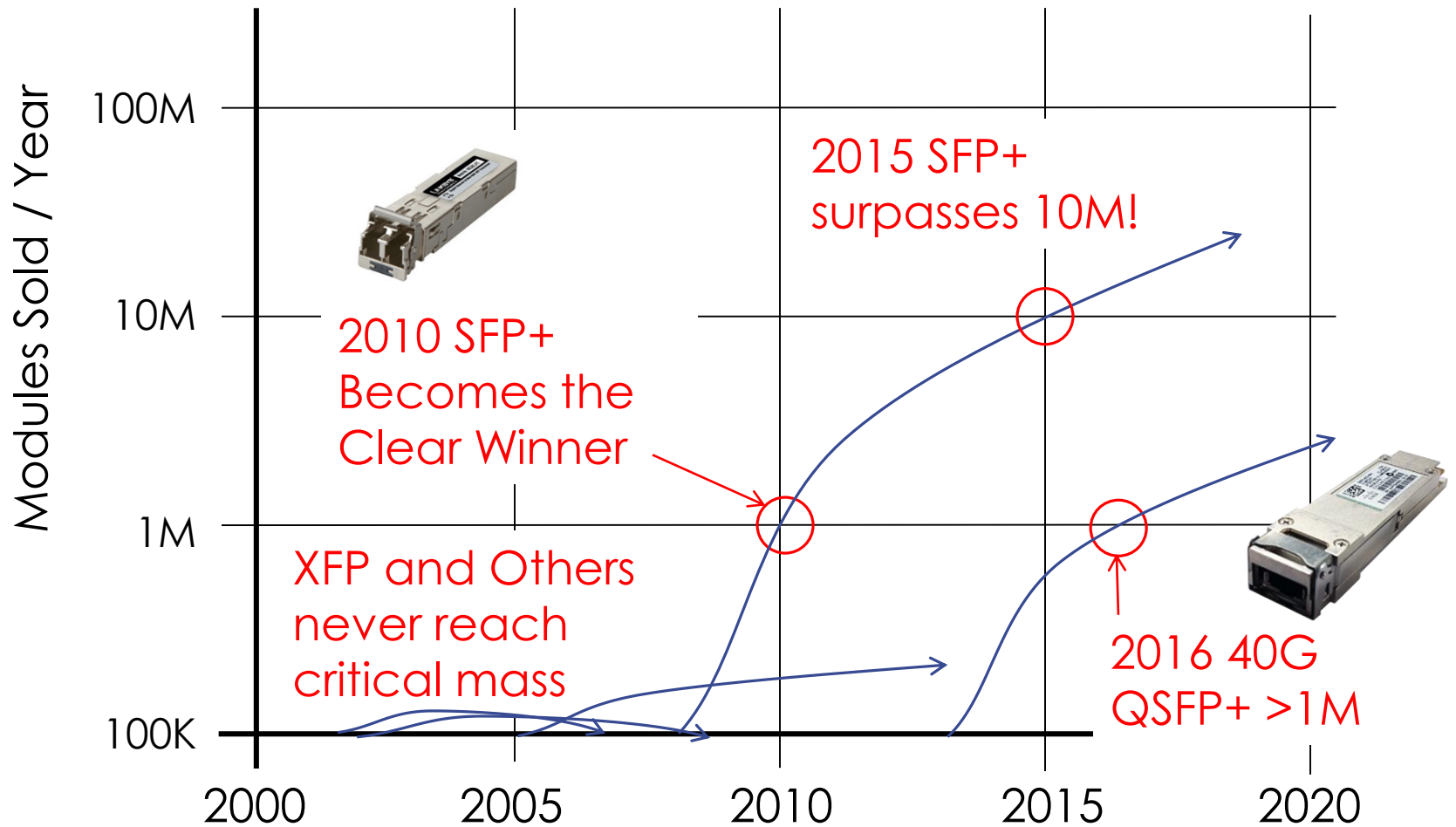
Find more at:

www.ethernetalliance.org/subcommittees/roadmapping-subcommittee/

Name	Speed	Date Standard Ratified
10Mb/s Ethernet	10 Mb/s	1983
100Mb/s Ethernet	100Mb/s	1995
Gigabit Ethernet	1 Gb/s	1998
10 Gigabit Ethernet	10 Gb/s	2002
40 Gigabit Ethernet	40 Gb/s	2010
100 Gigabit Ethernet	100 Gb/s	2010
400 Gigabit Ethernet	400 Gb/s	2017 (est.)*

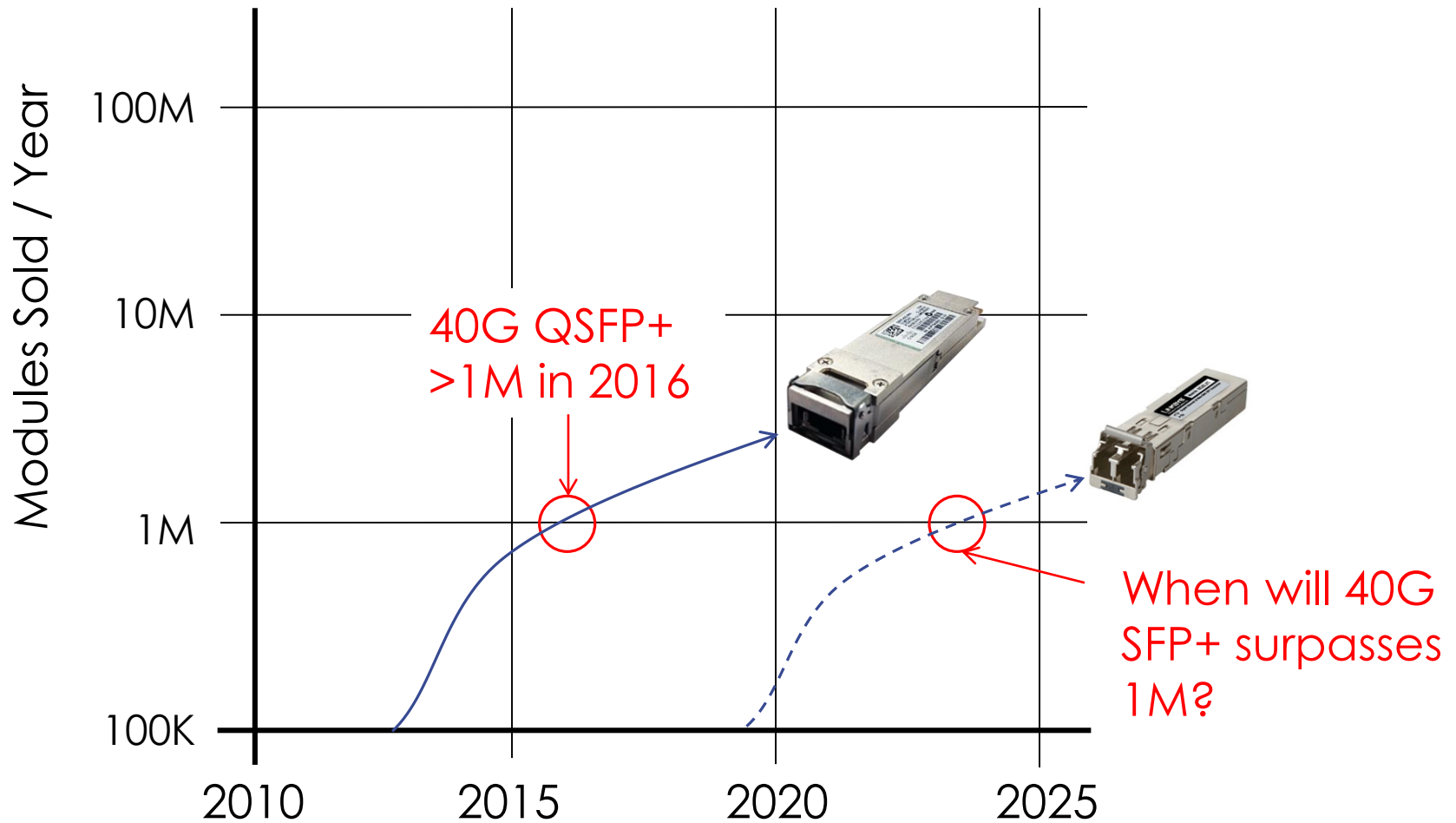
*Estimated on a 4-year standardization process that started with the CFI in March 2013

10G Recap – SFP+ Wins!



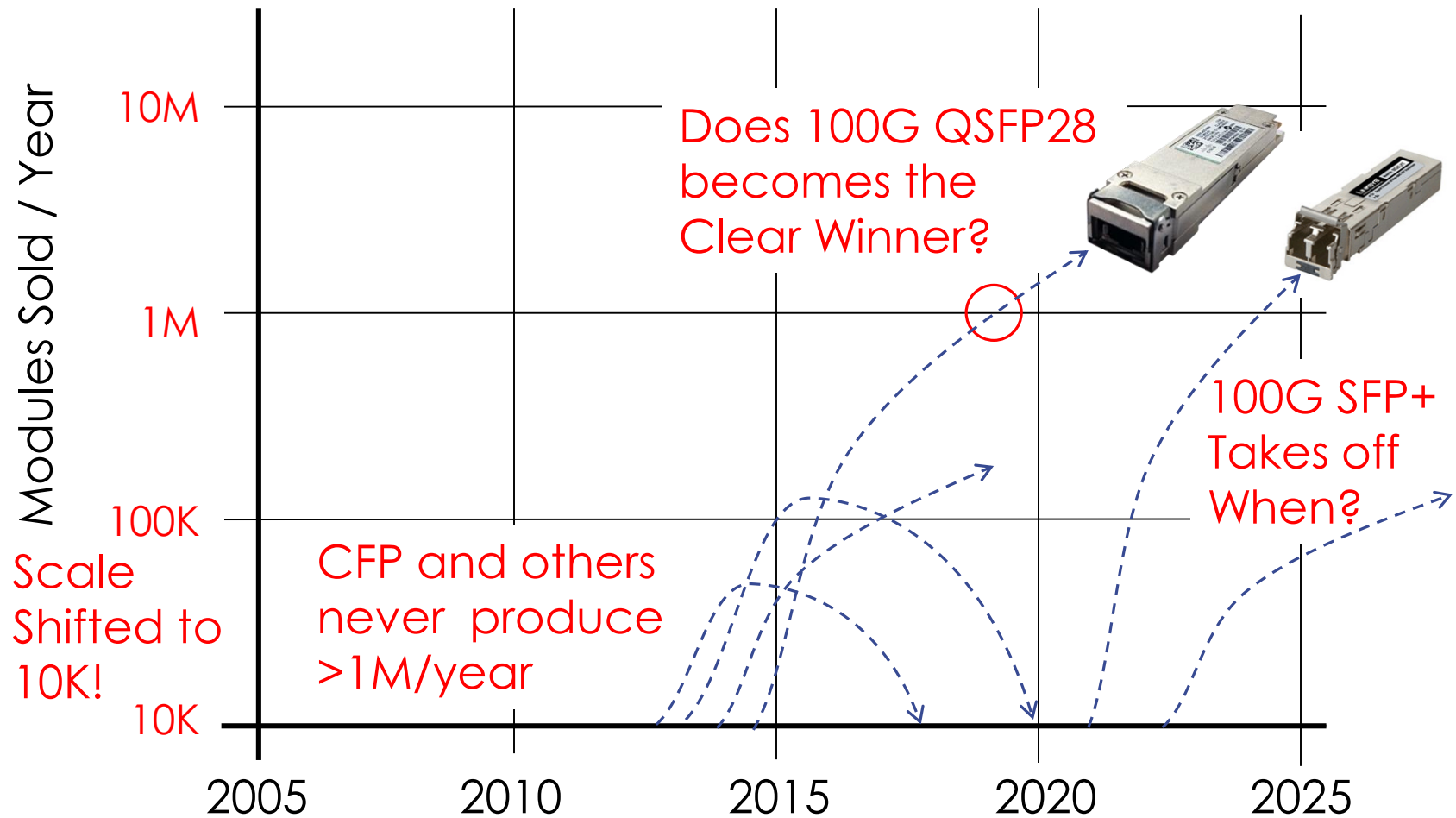
Based on LightCounting Forecasts

40G – Where are we?



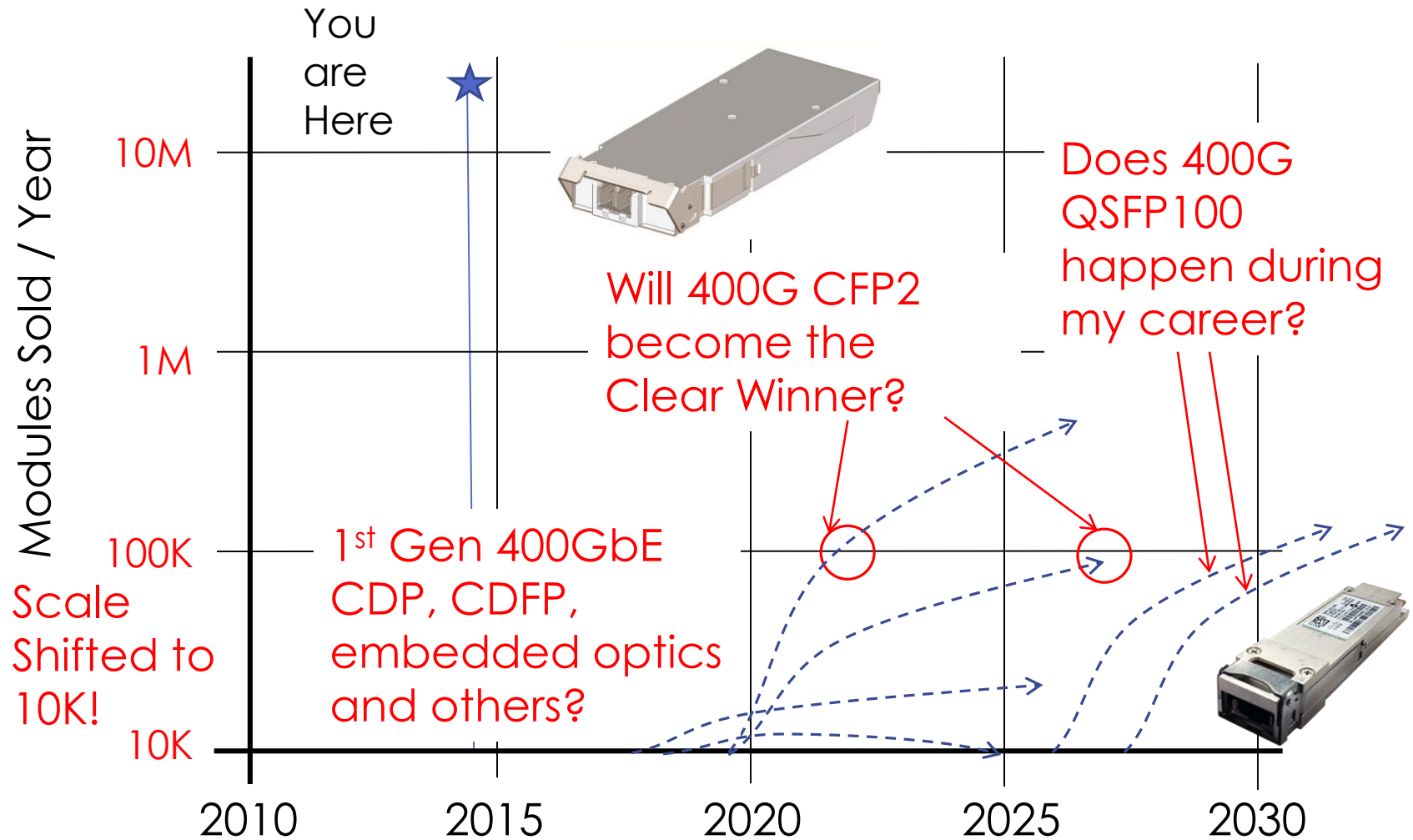
QSFP+ Up to 2016 Based on LightCounting Forecasts

100G – An Odd Twist on 10G?



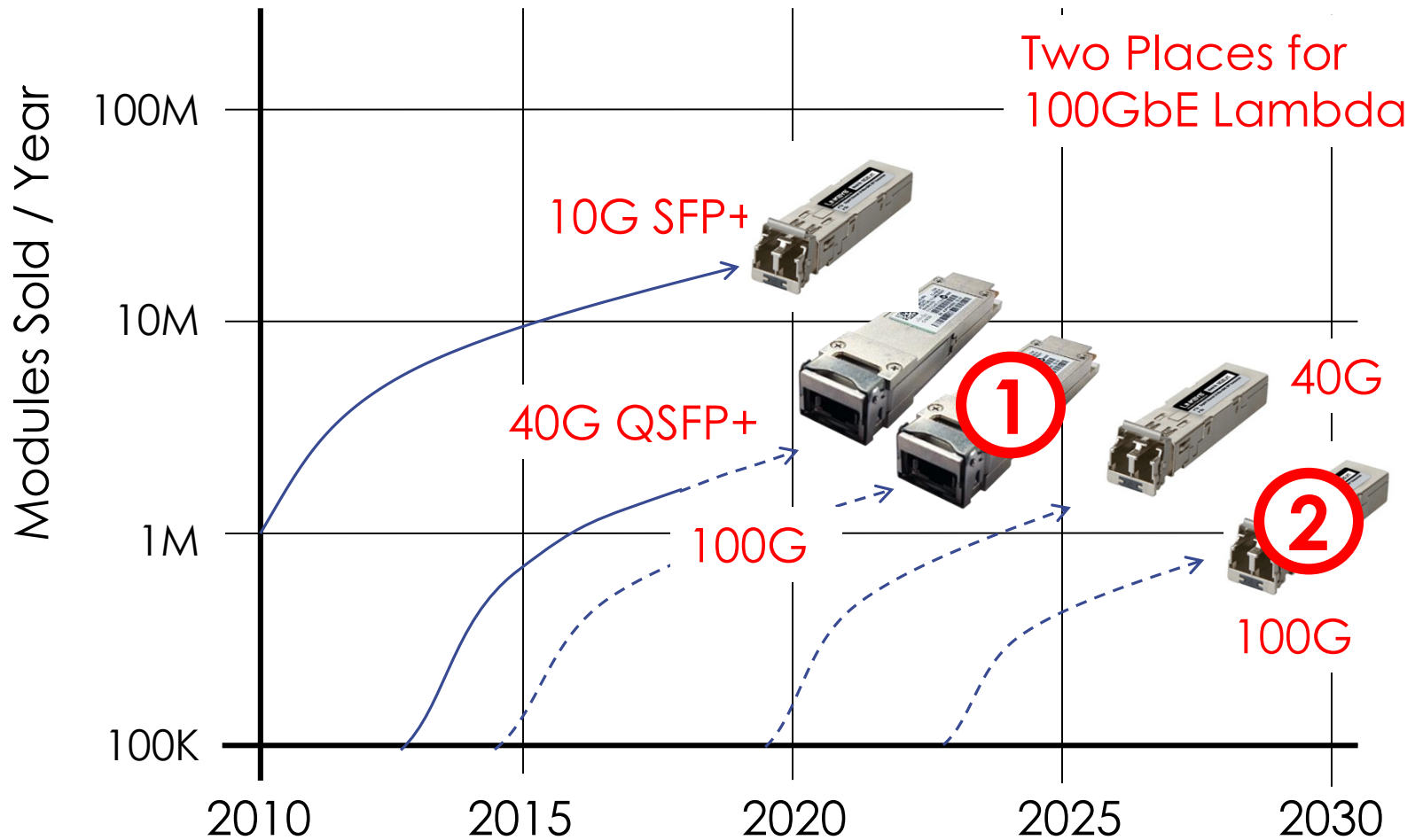
Based on General Trends

400G – Still Developing



Based on General Trends

Putting It All Together



Based on General Trends

The Holy Cup of 100GbE Lambda

- The first company to publicly demonstrate a 100GbE Single Lambda in a 3.5W QSFP28 that goes 2 km over SMF will win the Holy Cup*



“Your Name
Here”

*See details on Ethernet Alliance website soon

The Holy Grail of 100GbE SFP+

- The first company to publicly demonstrate a 100GbE SFP+ that goes 2 km over SMF in under 1.5W will win the Holy Grail*

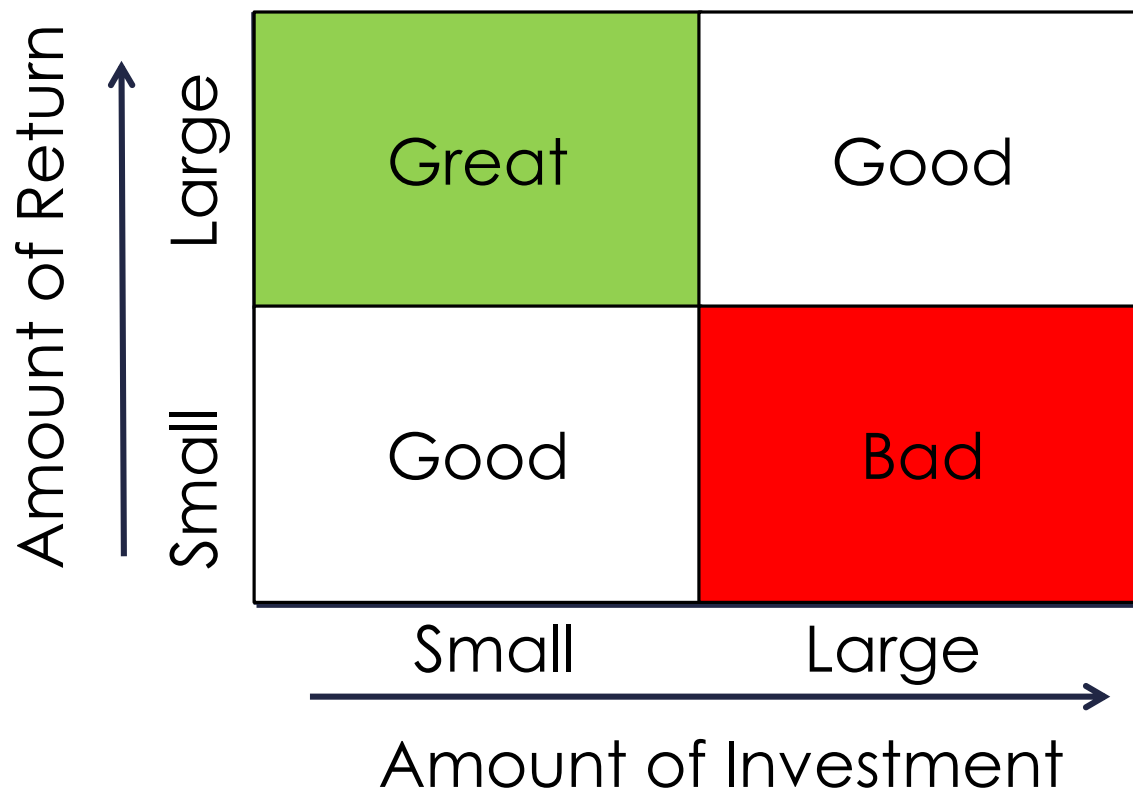


“Your Name
Here”

*See details on Ethernet Alliance website soon

What's a good investment?

Good or Great ROI!



**When will
100GbE
single
lambda be a
good
investment?**

100GbE Single Lambda Investments



- Telecom is deploying 400G Systems today!
- 100G Single Lambda already being deployed in DWDM systems today
- Our panelists will discuss how these systems can trickle down into Ethernet and when it might happen...

Q&A with Ciena standards expert Pete Anslow



400GbE vs. Terabit Ethernet: First steps toward an answer

400GbE versus Terabit Ethernet: First steps toward an answer

November 14, 2012 11:03 AM EST

One of the seemingly ever-present debates in the telecom industry is the question of what the "next rate" will be for data transport. It happened previously as the industry deliberated the

What Netflix's 1 billion video hours means for bandwidth

August 8, 2012 8:25 AM EDT

Not long ago, Netflix made some news in the industry with the

400G Network Deployed Using Cyan Blue Planet SDN

BY JOHN RATH ON MAY 16, 2013

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Here's our review of some of this week's noteworthy links for the data center industry:

Cyan selected by GlobalConnect for 400G network. Cyan (CYNI) customer GlobalConnect, the leading Danish alternative provider of network and hosting services, announced it has completed the deployment of a 400G network employing the Cyan [Blue Planet](#) software-defined SDN system and Z-Series packet-optical

Sign Contract for Deployment of Commercial 400G-enabled IP Core

wei, a leading global information and solutions provider, and Broadnet, a leading communications in Norway, today announced its biggest, IP core network enabled, bringing a more diversified and efficient