

The logo for Zayo, consisting of the word "zayo" in a white, lowercase, sans-serif font, positioned on an orange diagonal banner in the top-left corner of the slide.

zayo

A white rectangular box with a diagonal cut on the right side, containing the date "10/3/2017" in a dark blue, sans-serif font, located in the upper-middle section of the orange banner.

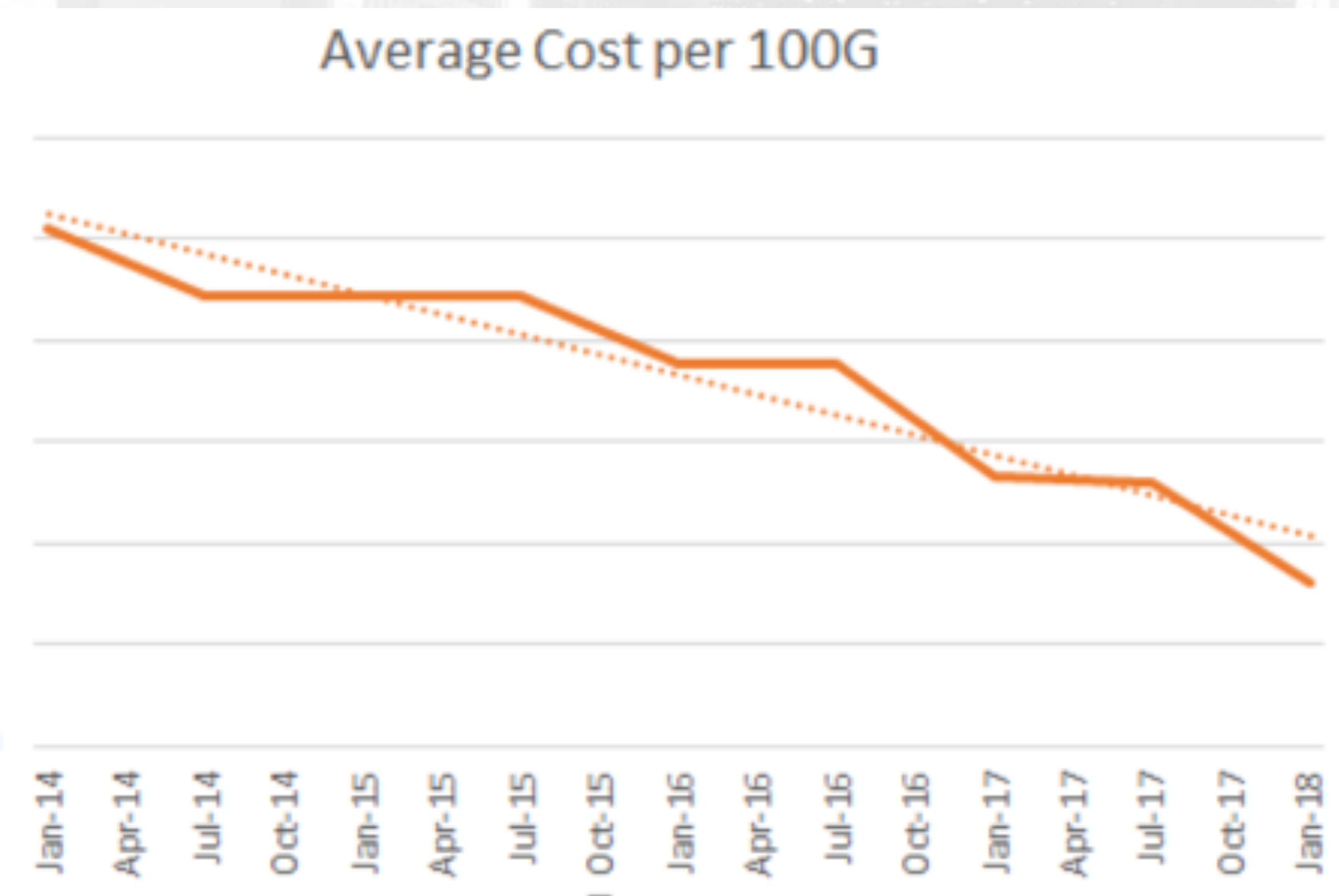
10/3/2017

The main title "ARIN Zayo" in a large, white, serif font, centered on the orange banner. The background of the slide features a blurred image of network equipment and fiber optic cables.

Cost of 100G IP/DWDM Long Haul Transport Is Decreasing

- 100G DWDM Transport drives a significant amount of cost in an IP network
- QPSK (Quadrature Phase Shift Keying) has been the dominant modulation format used in 100G Long Haul links
- More complex modulation formats with higher baud rates drive lower cost per 100G

Tens of
Thousands
of Dollars



Complex Modulation Impacts Reach...No Free Lunch!

- Flex Grid DWDM transport is required to support complex modulation & efficient use of optical spectrum
- Higher Baud Rate signals drive higher system capacity and lower 100G cost at Metro/Regional distances
- Low cost 100G transport over Long Haul distances has an inverse relationship with overall system capacity

