VIAVI US Fiber Investors Event

Maximizing Return on Fiber Assets

Building FTTH Networks at Scale and with Quality

They're Not Mutually Exclusive

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Director / VIAVI Solutions
26th April 2023

Maximising Return on Fiber Assets: Investor Intelligence

- Building at Scale and with Quality
- Ensuring Quality and Performance
- Asset Protection
- De-risk the Infrastructure Investment
- Maximise ROI with a Gold Standard Network

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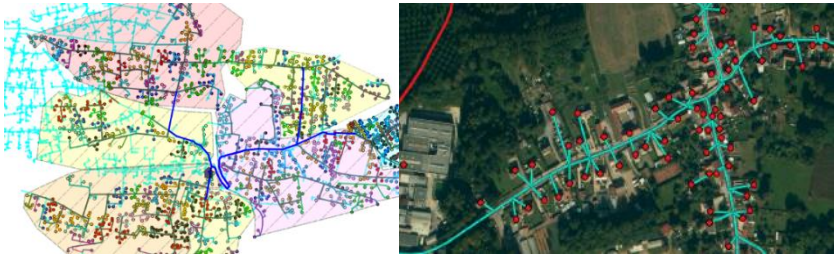
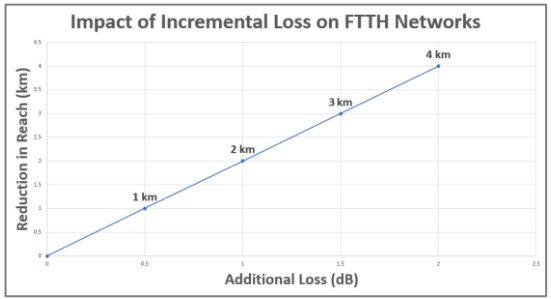
The Impact of Fiber Loss on Asset Quality

PLANNING



REALITY



Just **1dB** of additional loss reduces the reach of a network by **2km**

New, higher bandwidth technologies have **more risk of faults** such as macro-bending

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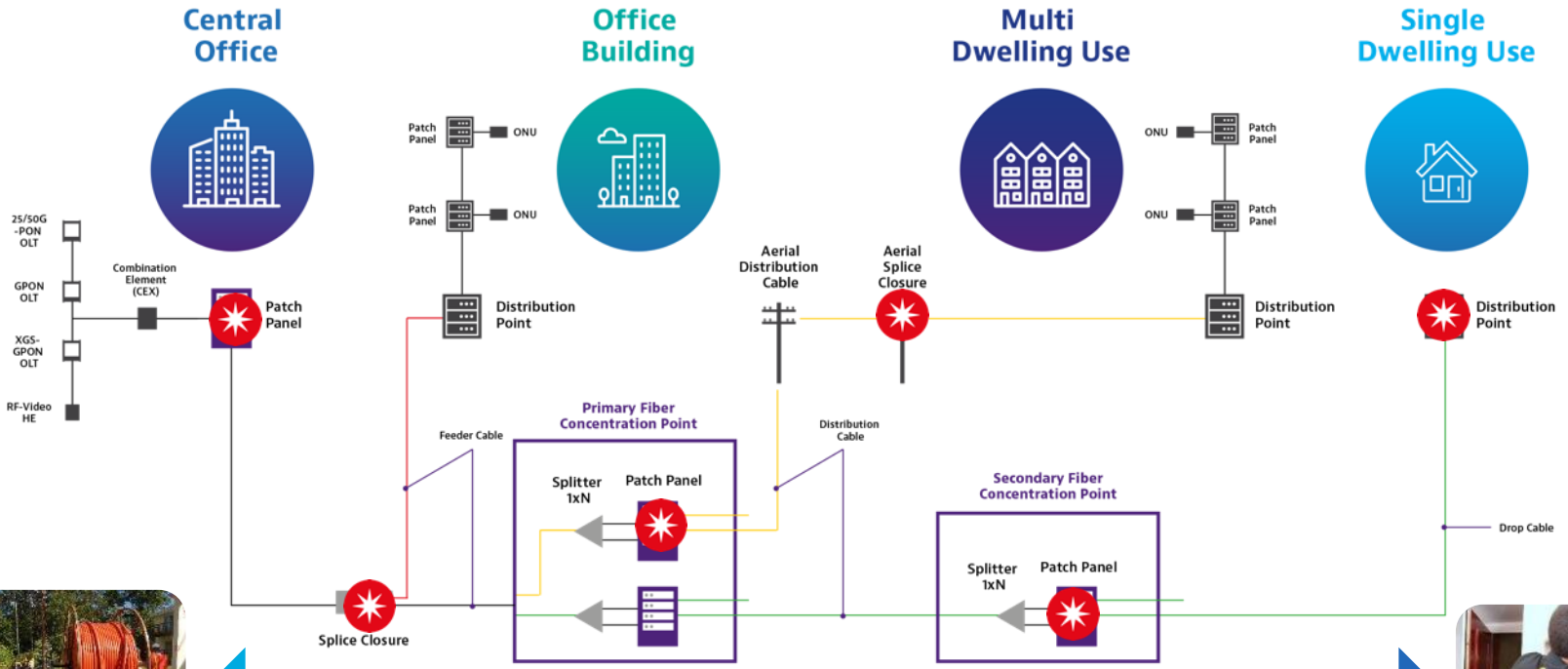
Multiple Points of Vulnerability on a Network



From the Central Office to the Premises

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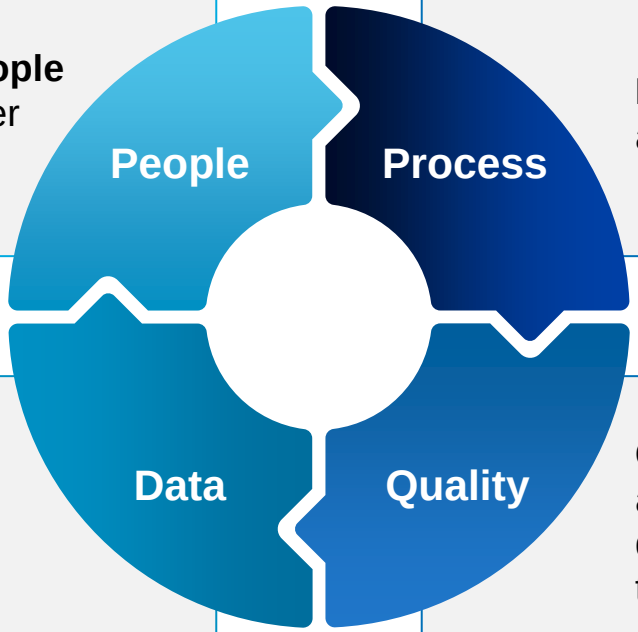
Challenges Our Customers are Facing

Lack of skilled & qualified people available – need to build quicker than they can train new techs



Inefficient process for testing and reporting / managing data

Struggle with correct data records on the network build and correlation to inventory

Concern with build quality and accountability across delivery, with some seeing up to **30%+ failures** on installs

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Automate Across the Network Lifecycle

VIAVI provide innovative platforms that allow our customers across the globe to deploy with **speed AND quality**.

TEST
Accelerate & automate testing to 1000's of tests per day

ACT
Govern quality with real-time visibility across the network lifecycle

EARN
Maximize network assets while differentiating on performance & reliability

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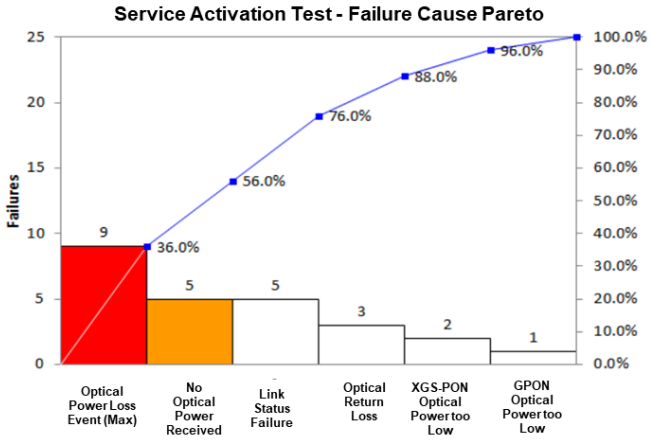
Test Data Analysis Study

Recognize and Focus on Problem Areas

Illustration Only



Utah has 18,000 failures for a 37% failure rate, the worst performance in the US

Failure Route Causes

- Summit and Washington Counties account for >50% of all failures statewide
- 42% of the time a test fails, no light is received
- 64% of the time a test fails, there are also link failure issues
- Technicians A, B and C have a failure rate of >75%+

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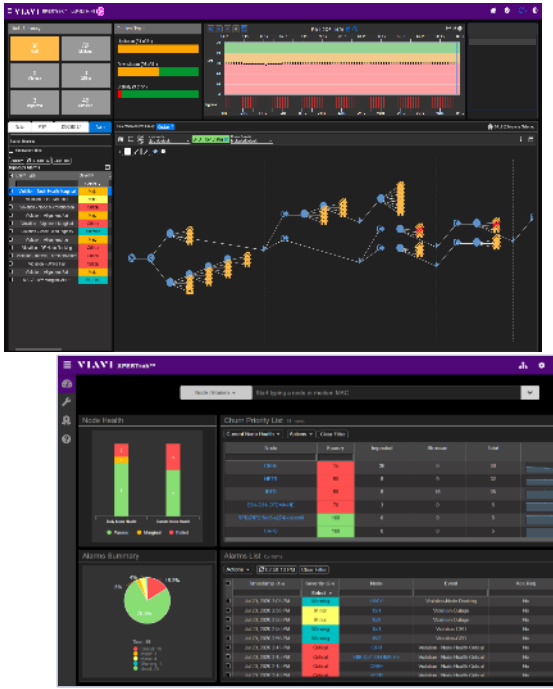
Solutions for xPON Insights

Physical Path L0

VIAVI Centralised Fiber Test System (ONMSi)

1. **BUILD**
   Network Build and Certification
2. **ACTIVATE**
   Service Activation and Provisioning
3. **MONITOR**
   Network Assurance and Re-Certification

Service Path L1-7



Example Subscriber & Customer QoE Insights from VIAVI XPERTrak & Fusion

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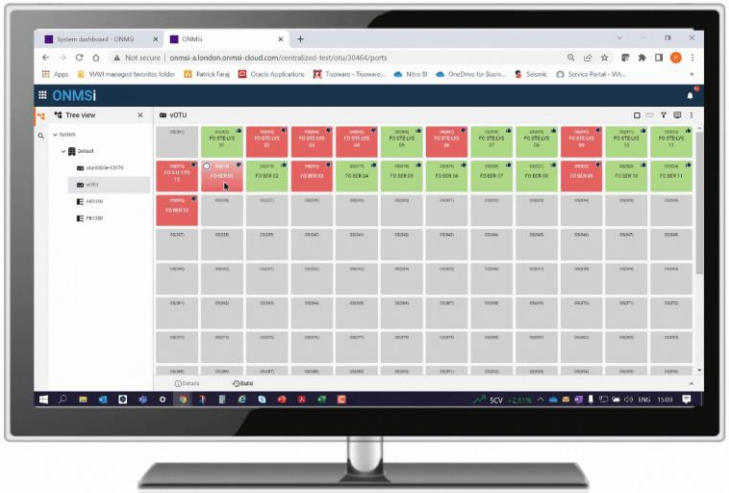
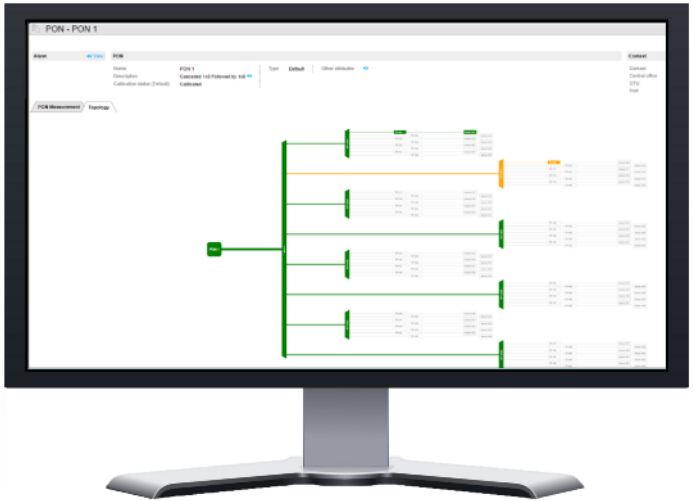
Automating FTTH Build Acceptance

Using the **VIAVI centralized testing solution**, field teams can easily run a test with a mobile phone and management receive instant pass/fail results with the documentation to prove it – ***speeding up the entire build acceptance process.***





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to help us with our build
in the fibre deployments.

VIAVI is here to help accelerate your FTTx deployments with quality

Invest in the foundations of your network for short-and long-term success

Automate your testing processes throughout the network lifecycle

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Mirror, mirror,
on the wall...

…is my fiber
there at all?

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