

VIAVI

Construction
and
Provisioning

Monitoring
and
Maintenance

VIAVI ONMS

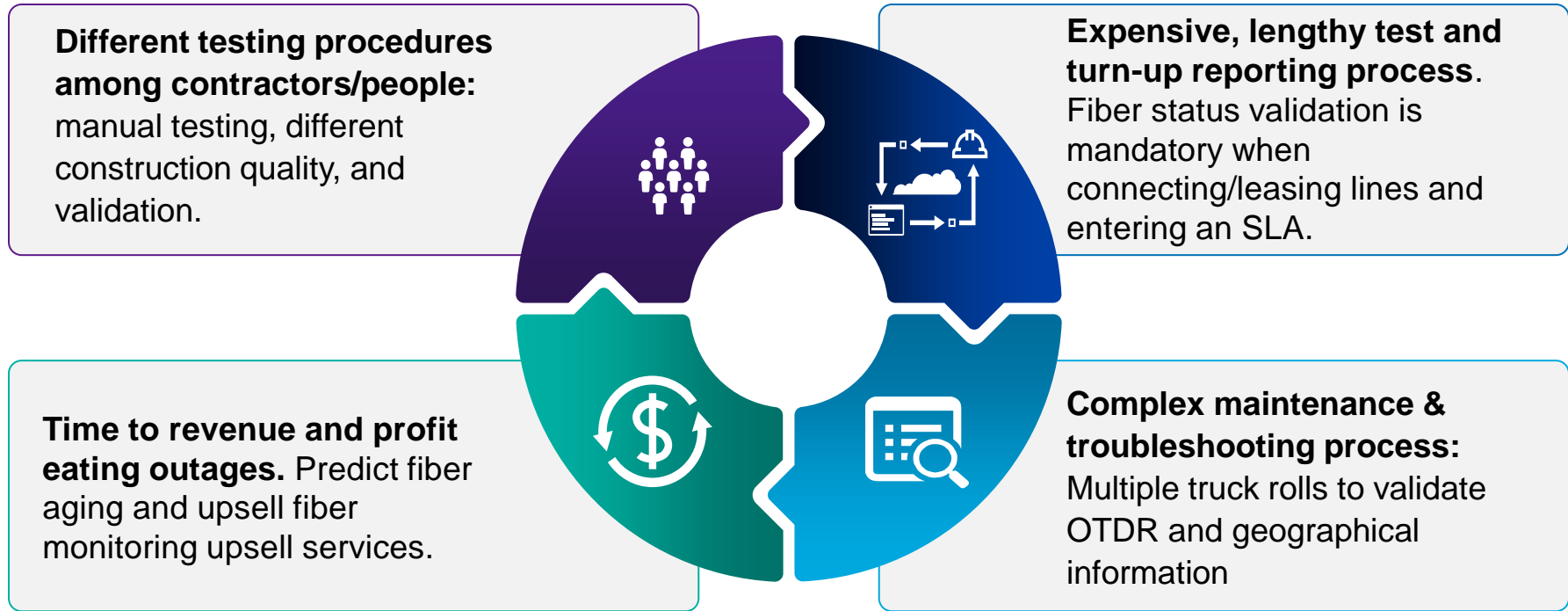
Network
Security

Infrastructure
Monitoring

ONMSi Optical Network Management System

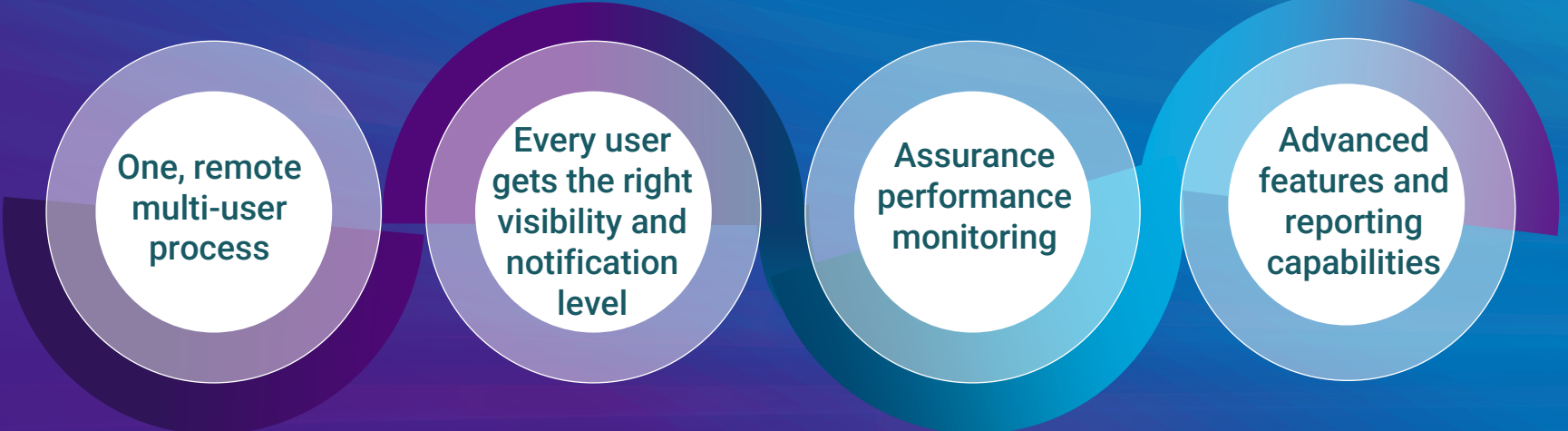


Fiber Deployment And Monitoring Challenges



The Solution: ONMSi Remote Fiber Test System

- Consolidate fiber data for easy access and collaboration.
- Manage many high-resolution Fiber Test Heads, users and complex fiber network topologies.
- The right users get the right alarms!
- ONMSi sends notifications by urgency users, and shift schedules. Users only access their network assets
- Test on demand or schedule automatic scans.
- Build fiber health and performance KPI dashboards
Monitor any fiber from both extremities for long distances
- Advanced applications include fiber aging, Intrusion detection, construction test, fiber sensing (temperature and strain monitoring).
- Advanced GIS integration and interfaces. GeoView is a powerful fault-on-map app.



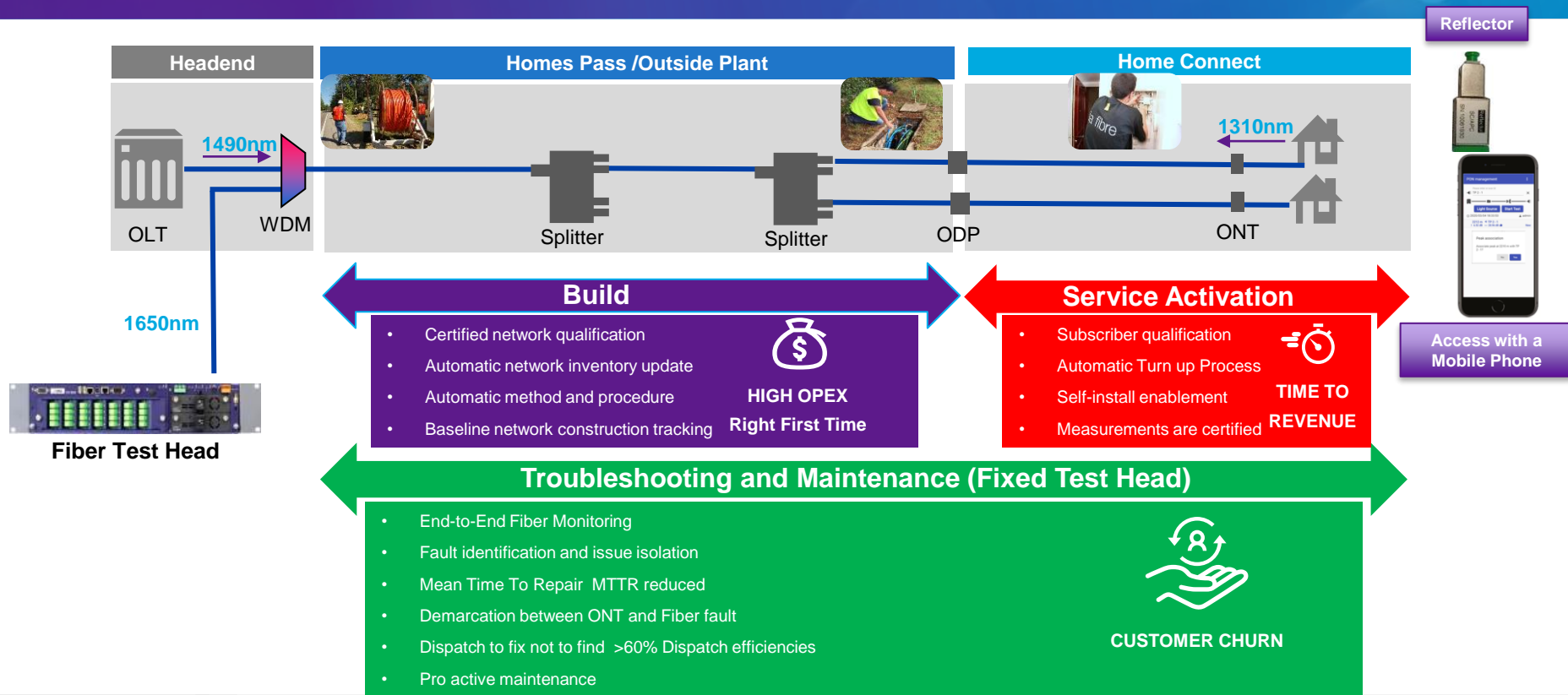
One, remote multi-user process

Every user gets the right visibility and notification level

Assurance performance monitoring

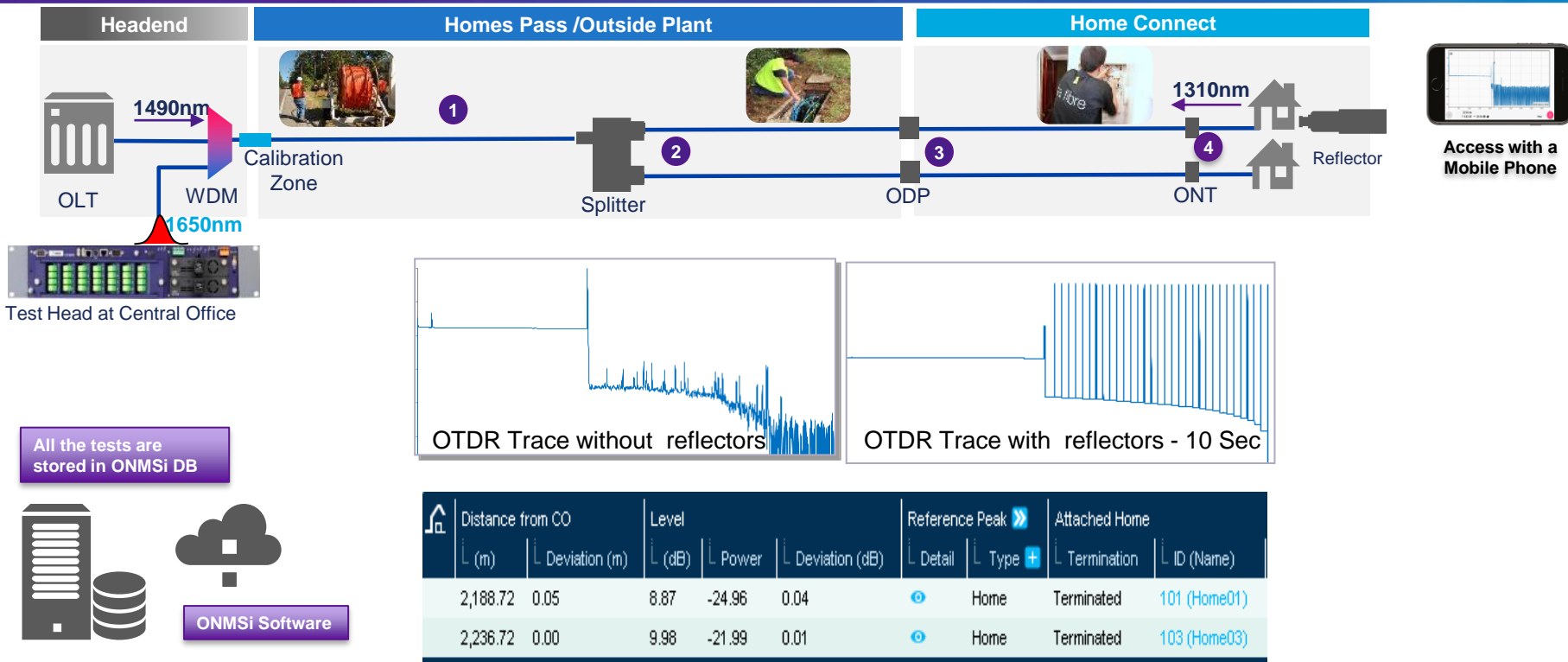
Advanced features and reporting capabilities

ONMSi: PON Main Use Cases



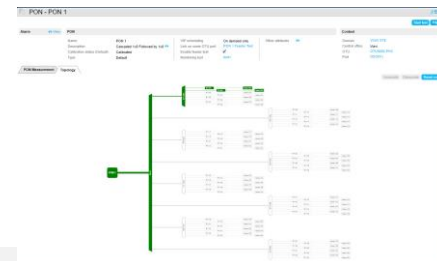
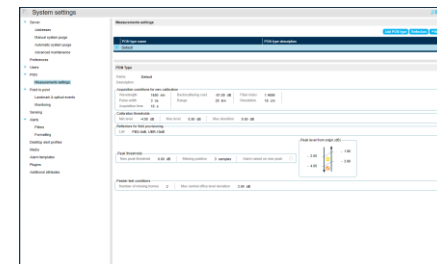
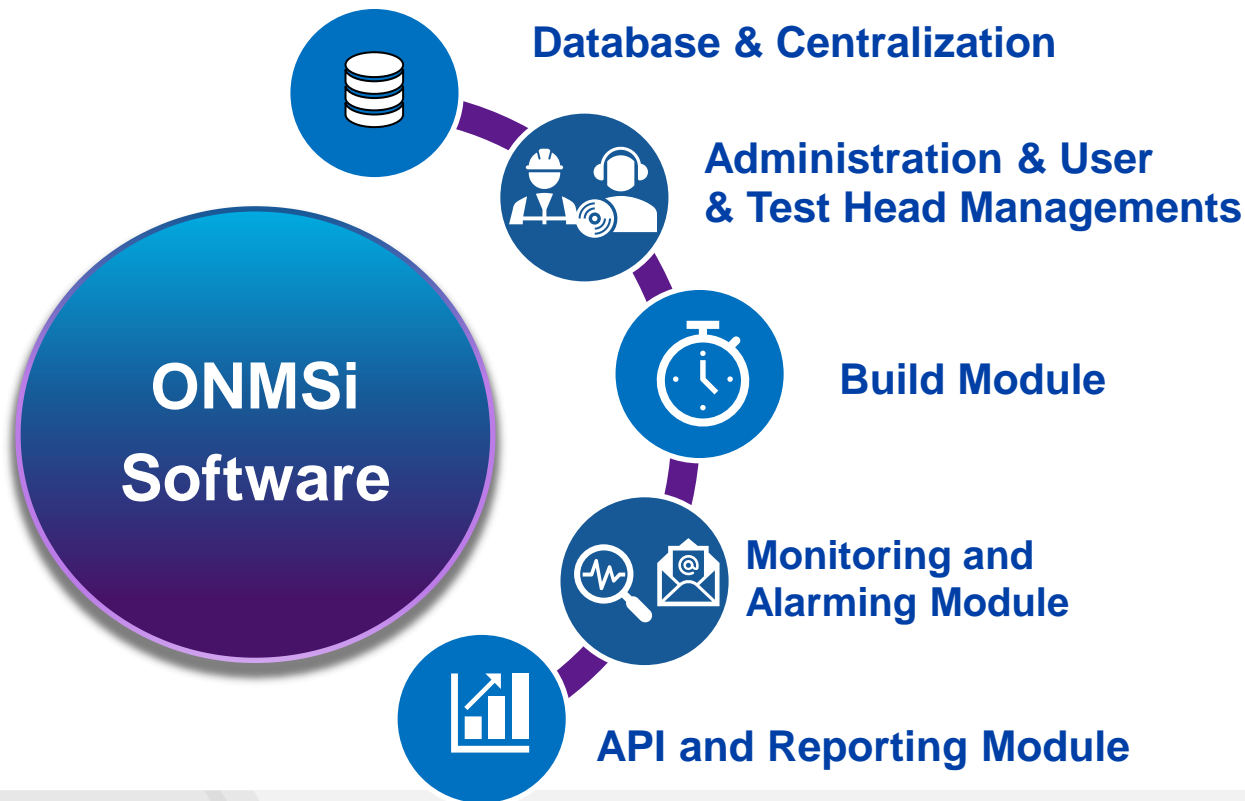
ONMSi Solution Overview:

Test Unit at Central Office, Central Server at the NOC, Field Application

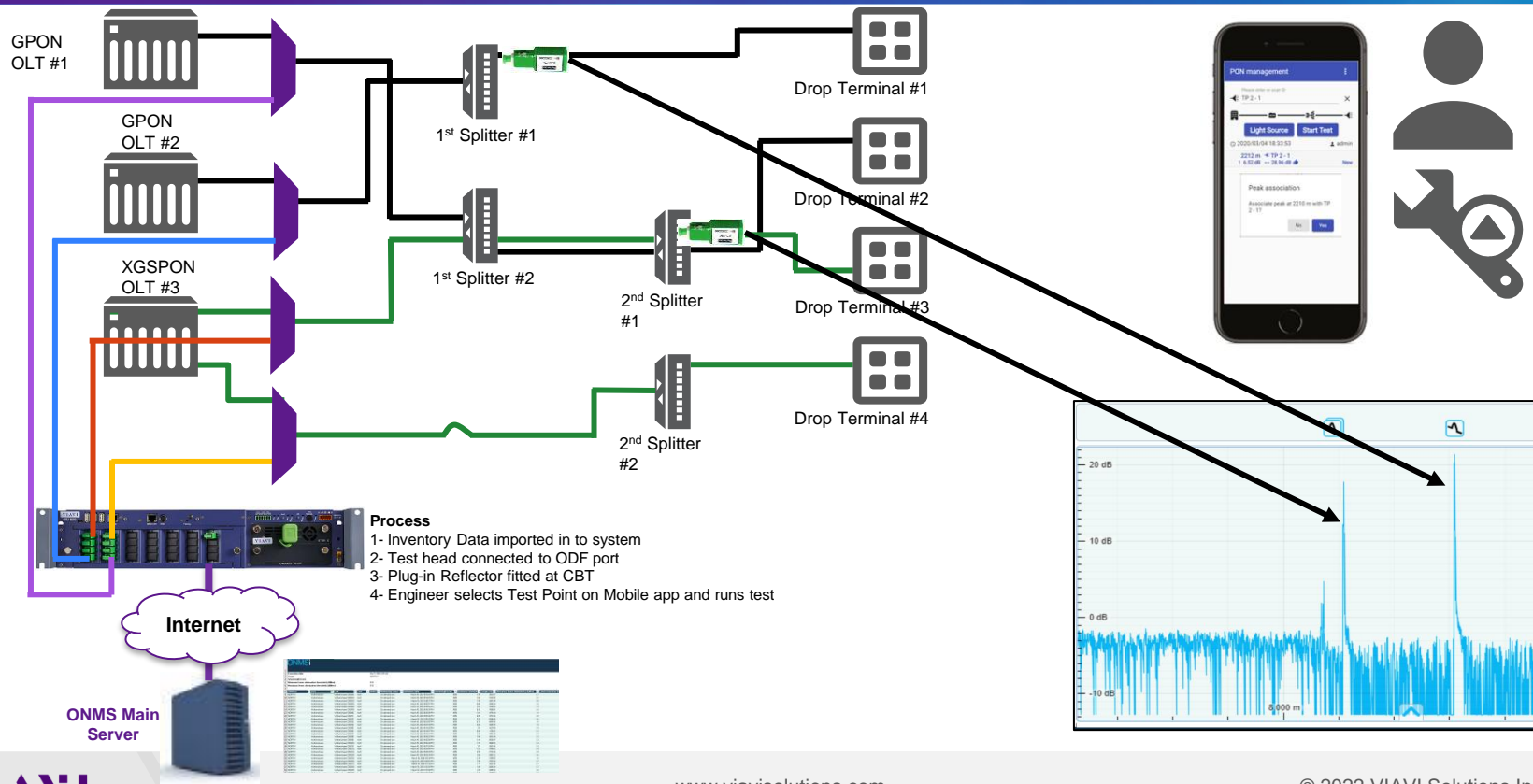


ONMSi keeps the peak subscriber or ODP correspondence

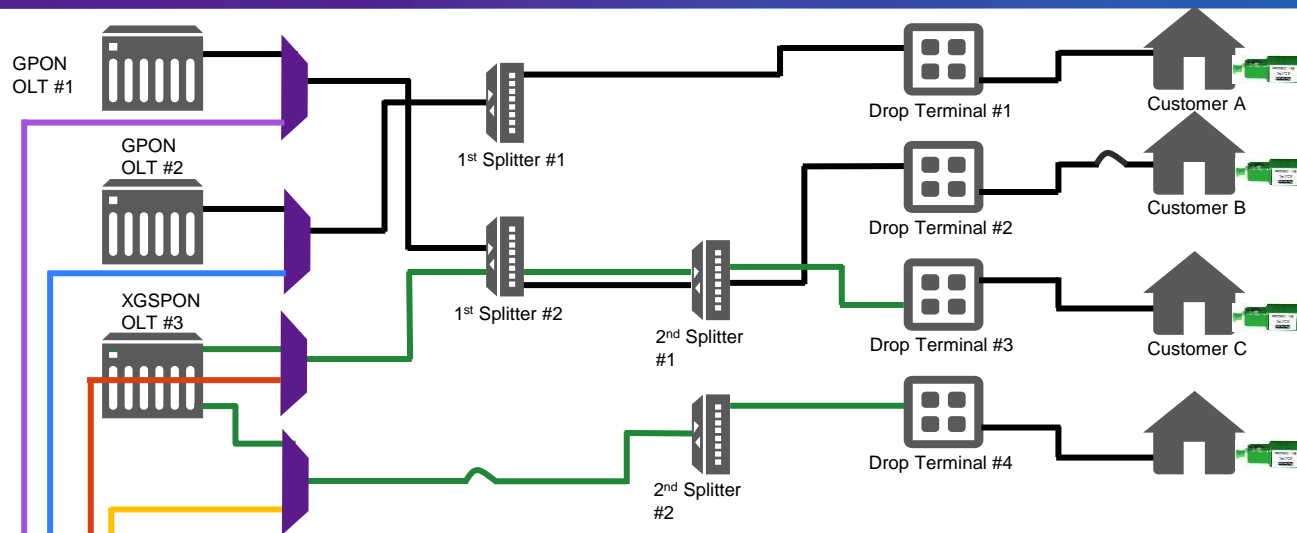
ONMSi Software: Management System



Centralized Process – Construction



Centralized Process – Activation



Process

- 1- Inventory Data imported in to system
- 2- Test head connected to ODF port
- 3- Plug-in Reflector fitted at CBT
- 4- Engineer selects Test Point on Mobile app and runs test

Internet

ONMS Main Server

Centralized Process – Monitoring

ONMSi helps to minimize the impact of fiber breaks - Reduction of TTR with Less Dispatch

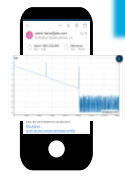
Automatic Fault Location
with GPS Coordinates

NOC
receives
SNMP
notifications

Technicians
and NOC can
acknowledge
alarms

Optical Fault
Location sent to
the technician
by Email

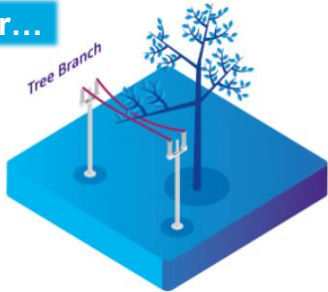
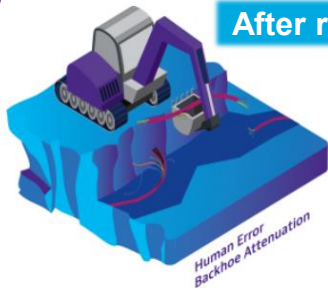
Alarm details
contain
distance to
nearest and
farthest site



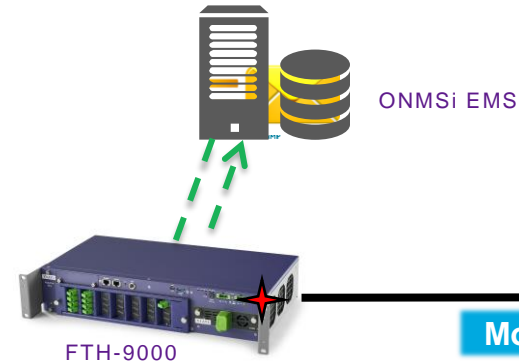
Maintenance

Mobile access
provides TOD
to validate
fiber repair

After repair...



Monitored Fiber



VIAVI: More than 29 years of Experience in Fiber Monitoring The Journey to Market Leader

1994 First Deployment

ATLAS

ONMS

ONMSi

SmartOTU

Sensing

ATLAS RTU



RTU95000

RTU95000E



OTU8000

OTU8000E

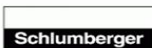
OTU8000E2



DTSS



OTU5000



WAVETEK



ONMSi Installed Base

More than 597 Customers (14,000+ Test Units)



ONMS

The most widely deployed Fiber Monitoring System Worldwide

VIAVI

Customer References: PON Construction

proximus

As Proximus accelerates fiber deployment to enhance its high-speed, triple-play service offering to subscribers, the VIAVI ONMSi system will ensure the fiber optic network is qualified according to Proximus standards, performs reliably during roll-out, and reduces the mean time to repair (MTTR) once the network is live.

“ ”

VIAVI provided an integrated test tool that gives us full visibility into our FTTH network performance to quickly identify and prevent potential service-affecting network issues.

Guillaume Guevar, Director Fiber, Proximus

openreach

Openreach is using the VIAVI ONMSi to accelerate its Full Fibre broadband deployment, and enhance the quality of its build and experience for customers across the U.K.

“ ”

VIAVI's innovations in remote fibre testing will help us monitor and accelerate our network build whilst making sure we continue to deliver great experience for customers.

Peter Bell, Director, Network Technology, Openreach

Press release:

[Proximus Selects VIAVI for Fiber-to-the-Home Network Monitoring](#)

Press release:

[VIAVI Chosen By Openreach To Ensure Network Quality For Full Fibre Build Throughout U.K.](#)

Video:



Thank You