

GPONDOCTOR Solutions

CPD

High Quality Testing in Fiber Optic Communications

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The Cost of Low Quality in Telecom Services

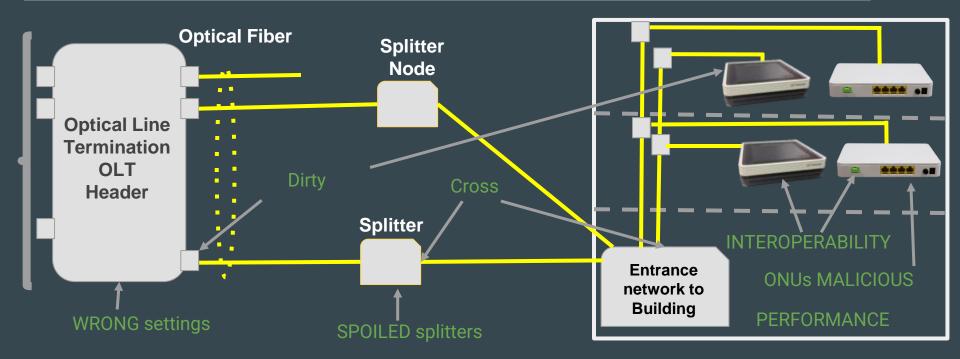


A broad definition of Low Quality makes the hidden part of the iceberg more relevant



Points of Vulnerability in an FTTH PON deployment

Low Vulnerability (affects to many customers) LOW to MEDIUM Vulnerability (It affects many customers) Multiple interactions (High Vulnerability





THE SOLUTION: Real-Time Resolution of problems in customer services

The road to **COMPLET** compatibility in FTTH





GPD 9500 (XGS-PON)



OLT Emulator



GPD 9700 (GPON & XGSPON)



GPD 2500 (GPON)

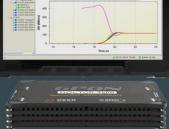


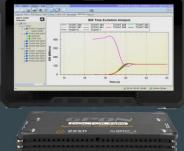
GPD 10000 (GPON & XGSPON)



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GPD 4500 (GPON)



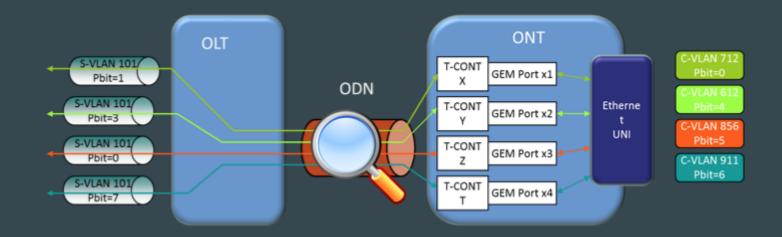


GPONDoctor portfolio





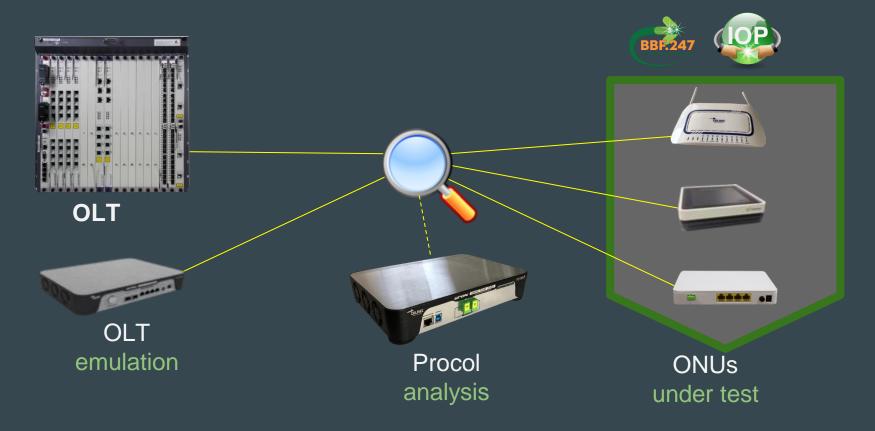
What does an xGPON ANALYZER



- Captures all information exchanged between the OLT and all ONUs
- Captures of user traffic in Real Time to monitor and debug the IP services
- Emulation of malicious ONUs to validate the robustness of the PON
- Applies a powerful analysis for fast and efficient problem resolution

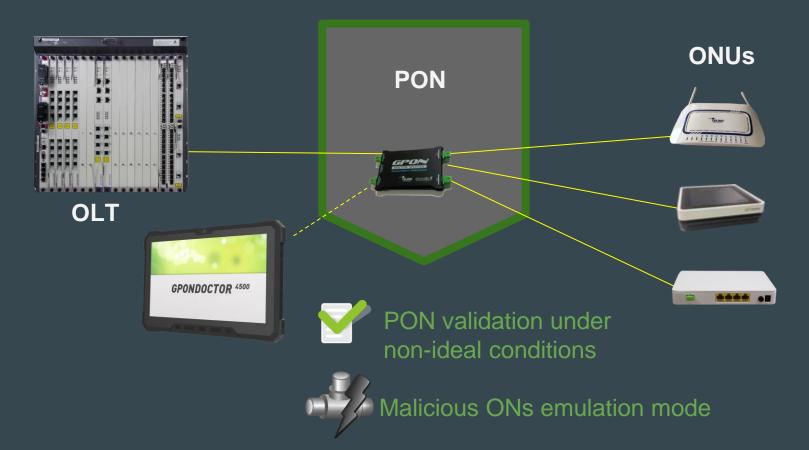


ONU Conformity and Interoperability



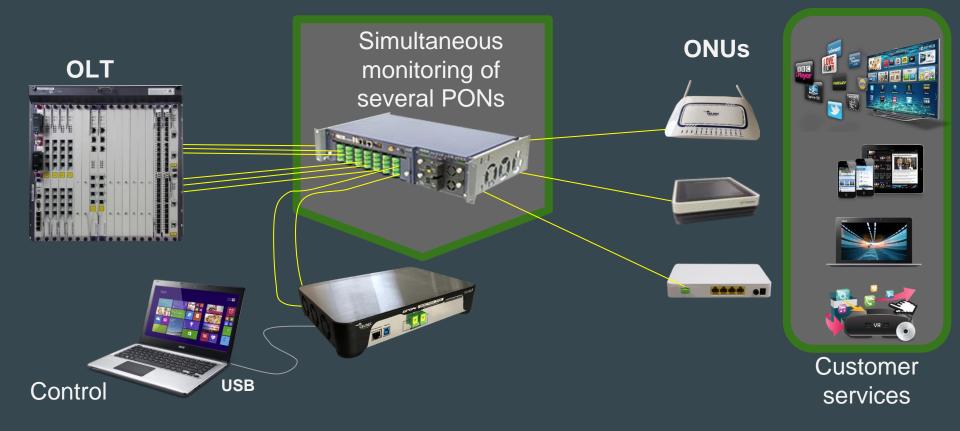


Resilience in the presence of malicious ONUs



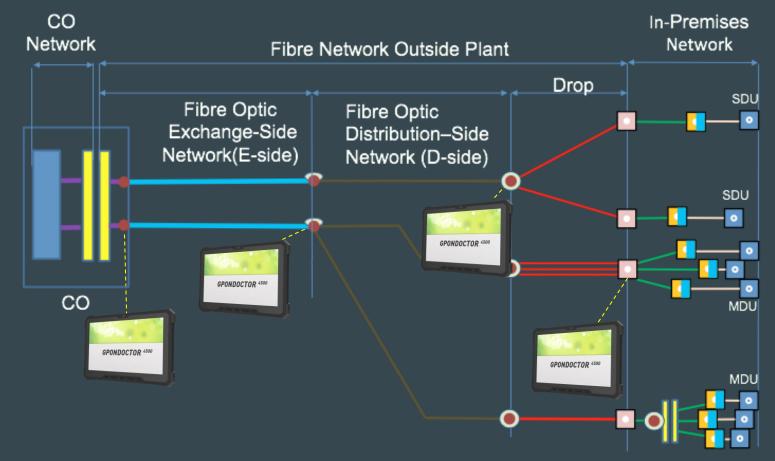


Real-time voice quality Supervision



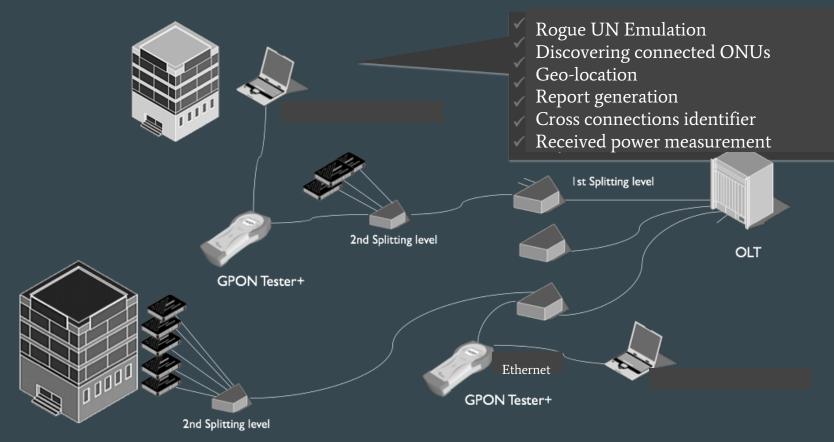


Resolution of incidents in real time.... Anywhere in the PON



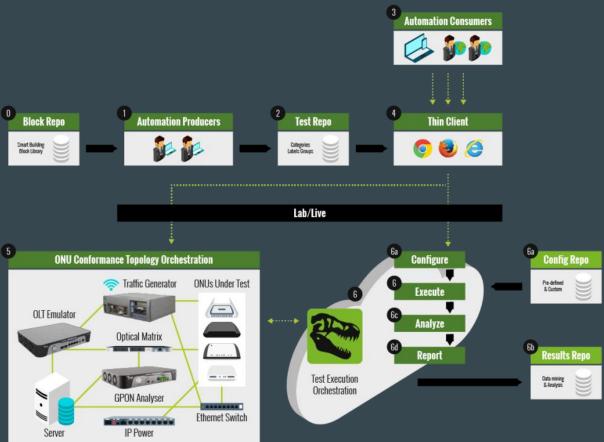


PON at customer premises... CERTIFIED





Automation of FTTH test





GPON Doctor portfolio





+85 MAIN CUSTOMERS in +40 COUNTRIES



 And many more... Northrop Grumman, Foxcom, Viavi-JDSU, VeEX, Sercomm, Alpha Networks, Mediatek-Econet, Cortina Systems, Adtran, CAT, FiberHome, Furukawa, Datacom, Skylane, Genexis, Prom-Syaz, Microtrol, Vestel, NBN, HD Telecom, FOBL, ICOTERA, AVM.



Agreement with SPIRENT for TEST automation





- Fiber communications offer us a QoE as never before
- But a **poor compatibility** increases the operating cost (OPEX)
- **Real Time Troubleshooting** improves QoE and reduces costs
- **GPONDOCTOR** the best solution for real-time troubleshooting





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