

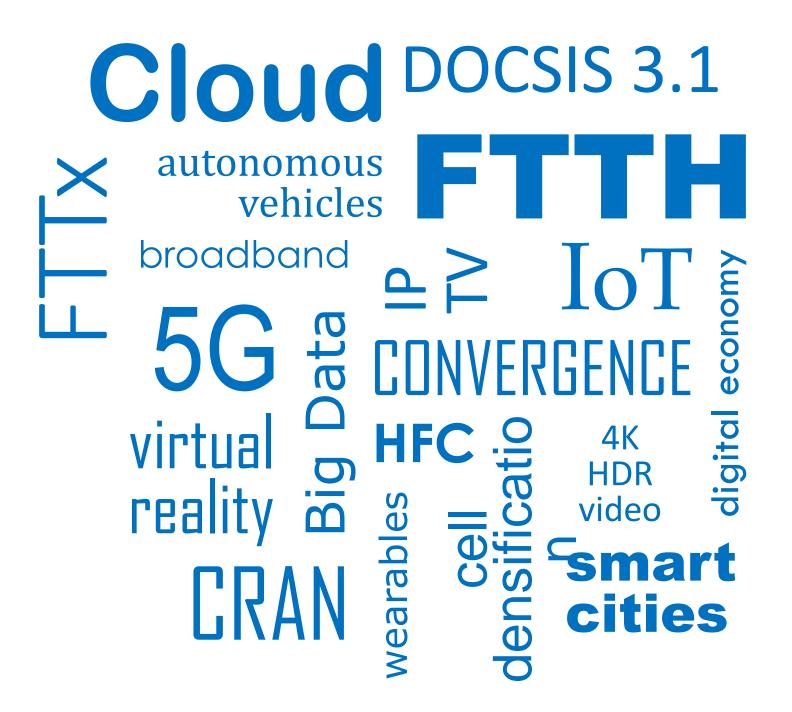
FTTx Connectorized Solutions

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Megatrends drive the need for fiber connectivity.

High-bandwidth, low-latency, ubiquitous fiber provides the foundation. Last mile access provides the connection.









Speed of Deployment

- Use robust products that install quicker, require less training and tools, simplify logistics, and are easier to maintain
- Increase labor productivity by streamlining deployments and reducing the time spent on site

More capacity

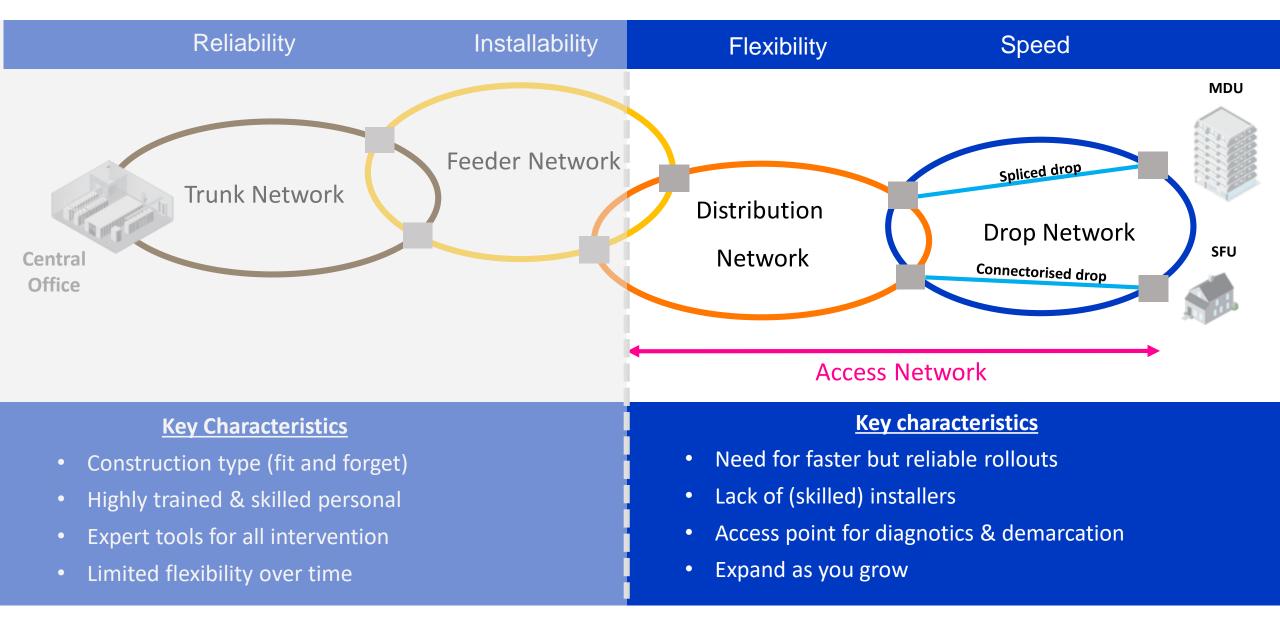
- Implement network migration strategies that are scalable, flexible, and cost-effective
- Lay higher fiber count cables, multiplex more wavelengths onto the same fiber, and deploy high-density space saving solutions
- Pave the way for SDN/NFV and virtualized access architectures

Multi-Service

- Build a single converged network to support residential, business and wireless services including small cells, CRAN, and 5G
- Accelerate ROI by gaining efficiencies, economies of scale, and delivering new services

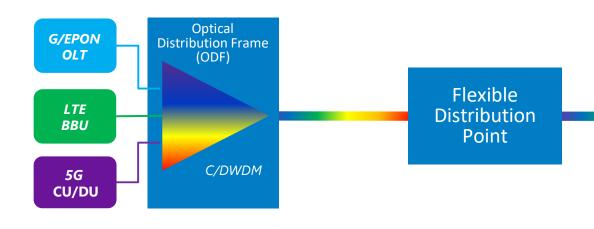
Fiber optic networks – evolutions & trends

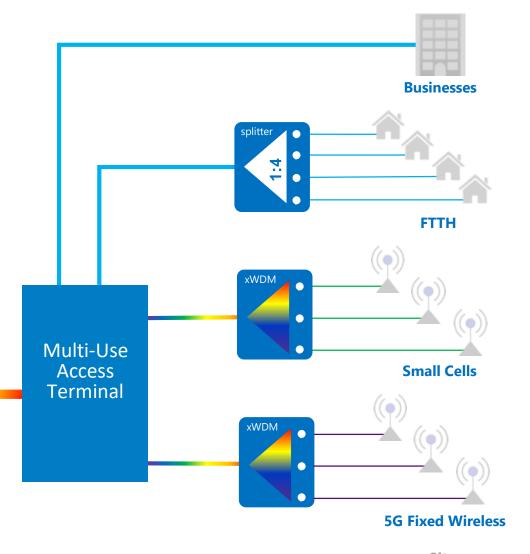




Converged Access Network Architecture Overview

- Networks should to be designed and constructed keeping cost, flexibility and capacity in mind
 - Multiple Fibers
 - Multiple Wavelengths
 - Converged Residential/Business/Mobile Services
 - Higher Data Rates





Central Office/C-RAN hub

Distribution

Access

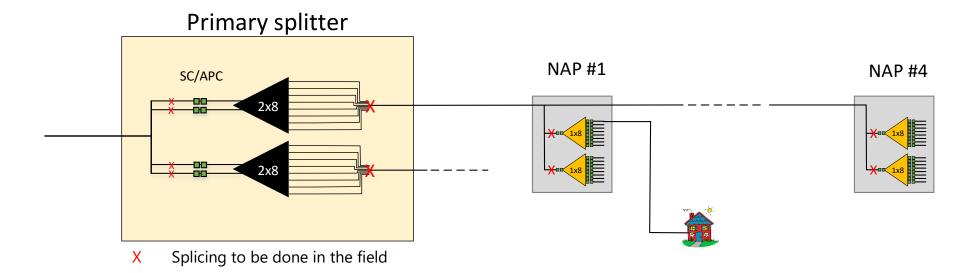
Sites



Converged Networks will provide leverage



Spliced FTTH Network Architecture



36 Splices + Cable Prep

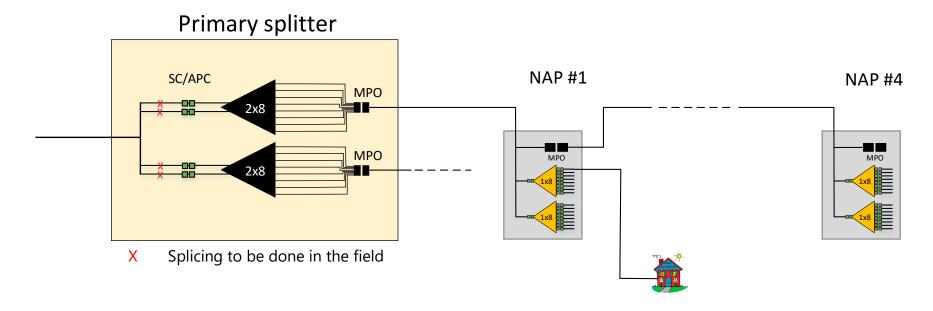
9 Locations

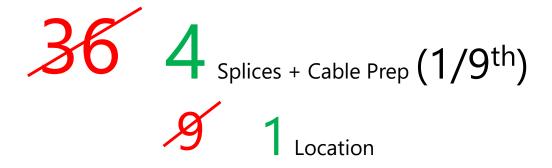
Per 128 Customers

Challenges:

- Speed of deployment VERY SLOW
- High labour skills splicing
- High labour content truck rolls
- High tools investment
- Less flexible

Connectorized Daisy Chain using Plug and Play





Per 128 Customers

Benefit:

- Speed of deployment VERY FAST with connectorized plug and play for fast turn up
- Low labour skills splicing only on input fibre (day 1 activity only)
- **Improved performance** factory terminated cable assemblies

Case Study – Hurricane Sandy

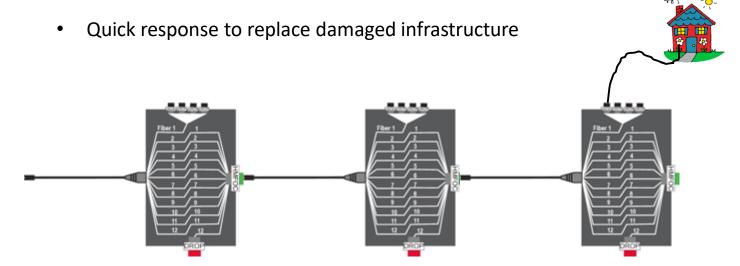
In the wake of a massive hurricane, carriers needed products to quickly repair damage





Solution:

- Plug and play hardened terminals using indexing technology
- Fast mobilization capability



Plug and Play:

Speeds deployment and adds Points of Flexibility







Hardened **Terminals**



Non Hardened **Terminals**





















now meets next

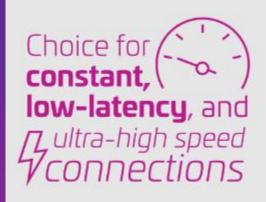
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Thank you

LOOK AT US NOW!

















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