



Connecting to the future

Innovative Solutions that enable a simplified and rapid FTTH access deployment

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Communication Network Infrastructure



A connectivity fabric that links every vital asset and delivers data at the speed of light

Wireline Networks

An aerial photograph of a residential neighborhood with a lake, overlaid with colorful geometric shapes (orange, red, purple, blue) that serve as a background for text boxes.

PRIORITIES

- Speed of Deployment
- Multi-Service
- Scalable
- Convergence capable

NEEDS

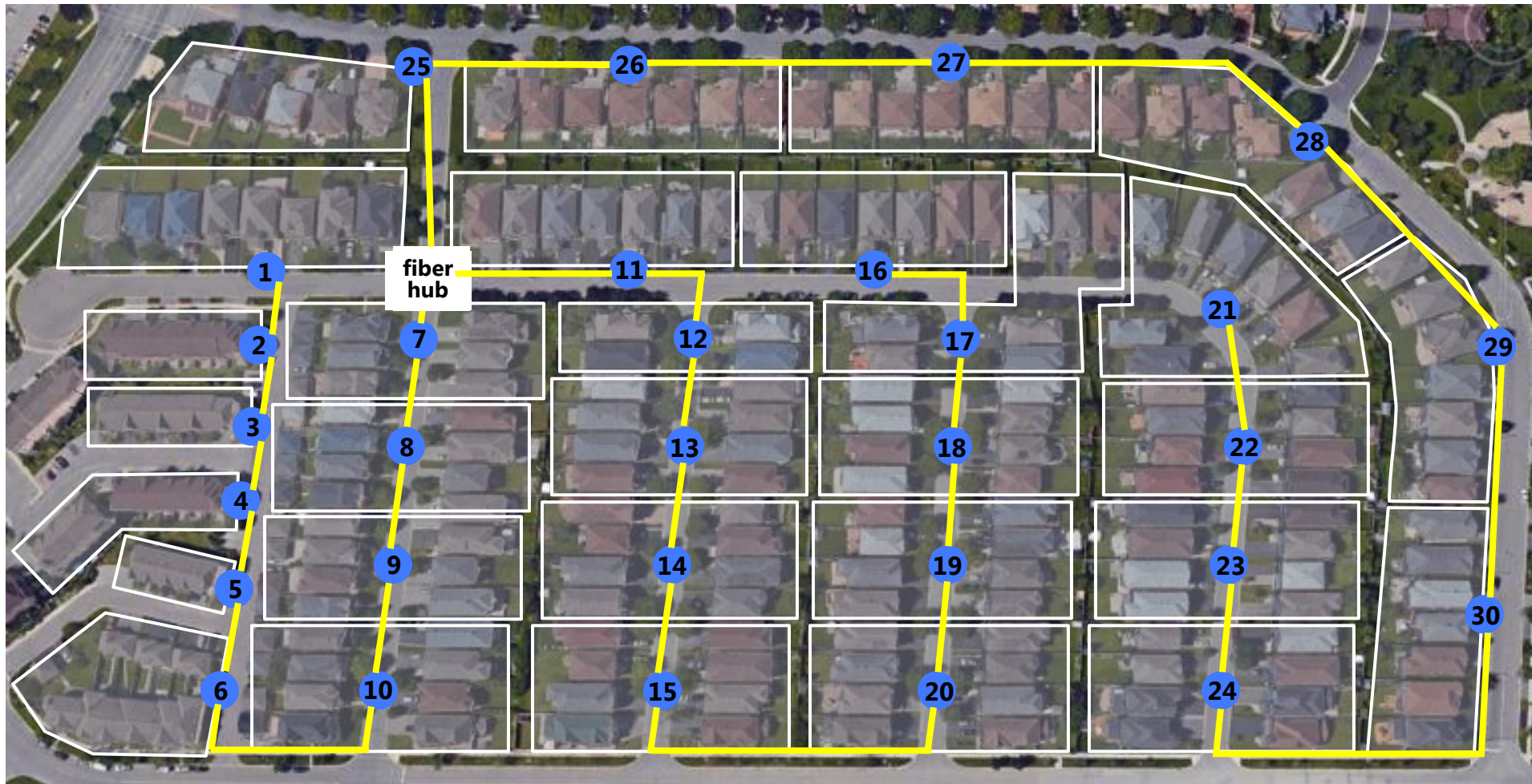
- Simplicity
- Efficiency
- Flexibility
- Easy Installation

Example: Traditional (Star) FTTH Deployment



Segment	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total Cable
Length (ft)	150	220	300	400	480	600	80	200	320	430	225	350	450	595	715	
Segment	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Length (ft)	495	645	770	890	1005	850	1025	1160	1275	260	490	840	1290	1620	1895	

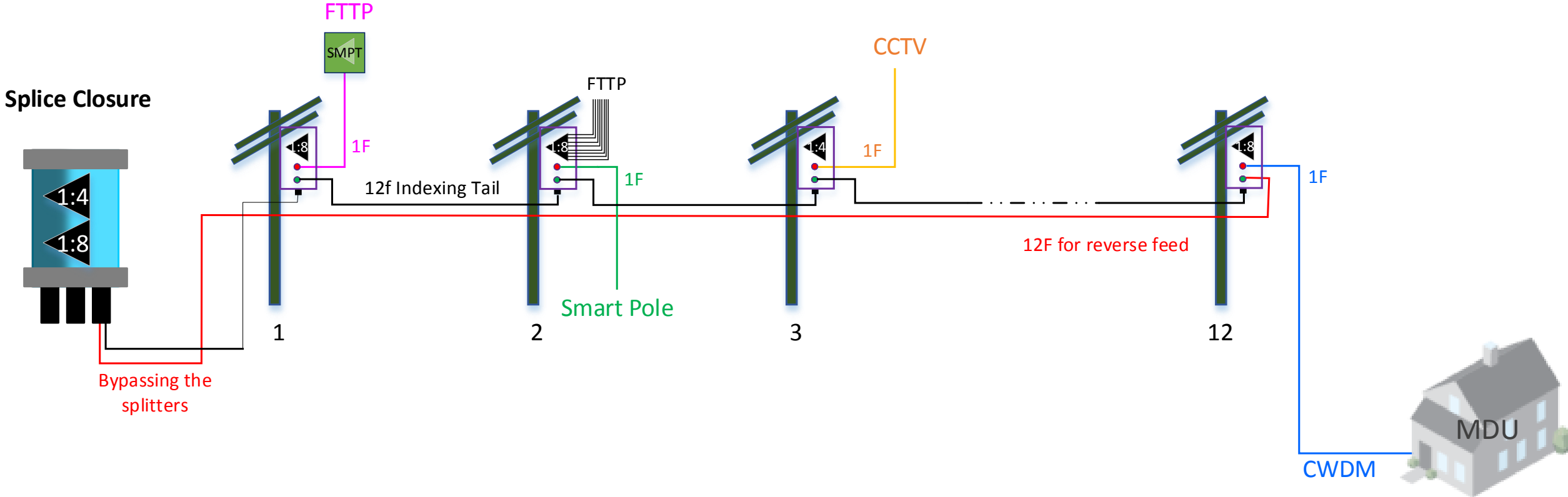
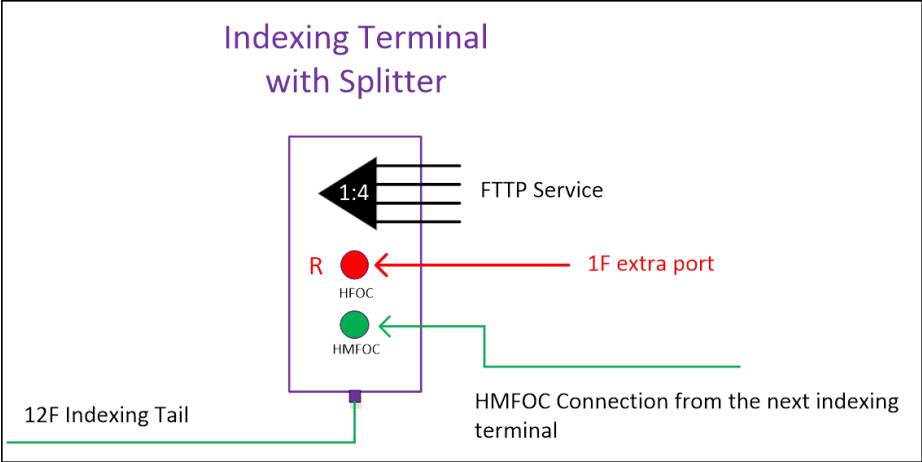
Example: Fiber Indexing Deployment (Daisy-Chain)



Segment	H-7	7-8	8-9	9-10	10-6	6-5	5-4	4-3	3-2	2-1	H-11	11-12	12-13	13-14	14-15	Total Cable
Length (ft)	80	120	120	110	255	120	80	100	80	70	225	125	100	145	120	
Segment	15-20	20-19	19-18	18-17	17-16	H-25	25-26	26-27	27-28	28-29	29-30	30-24	24-23	23-22	22-21	
Length (ft)	365	115	120	125	150	260	230	350	450	330	275	485	115	135	175	

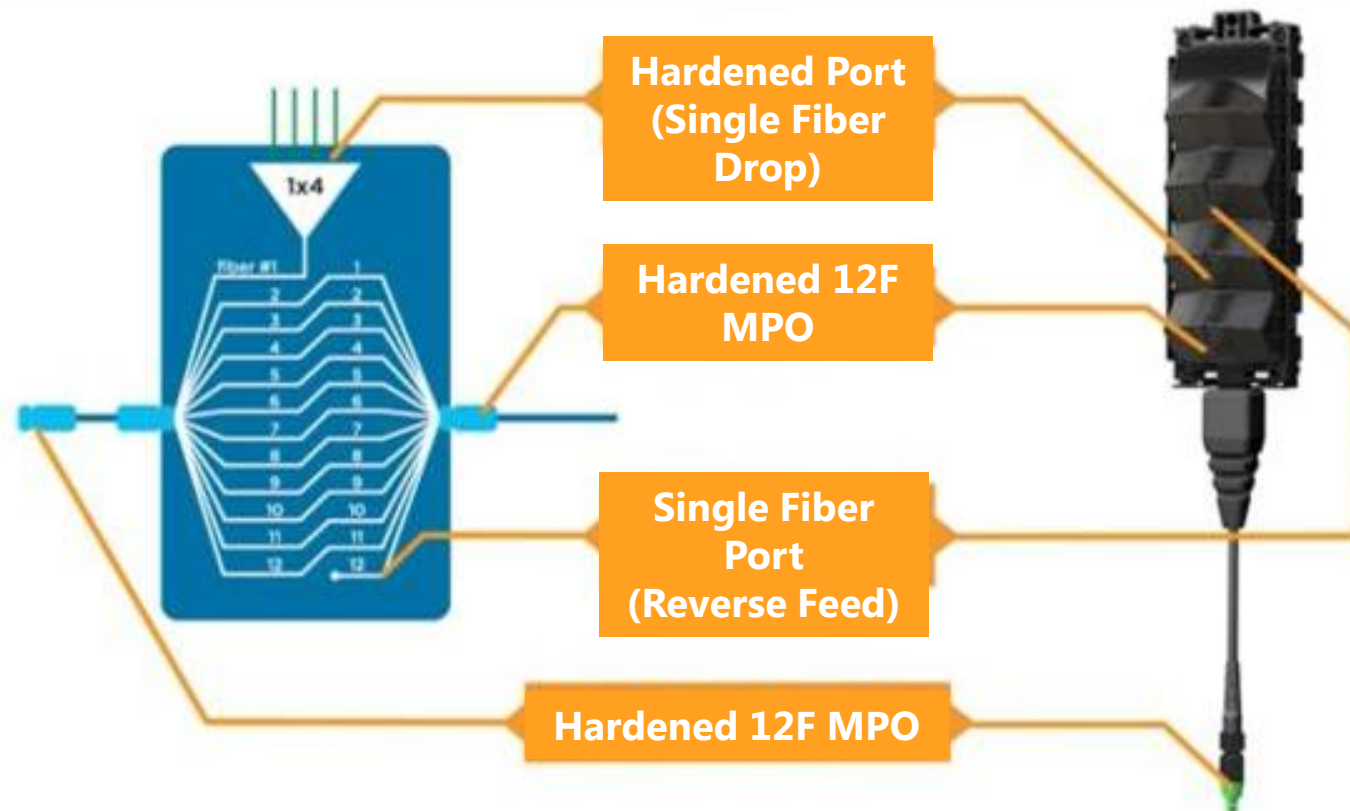
COMMSCOPE®

Fiber Indexing Architecture



The Indexing products

- Terminals with built-in splitters
- Hardened 12-fiber cables
- Hardened drops

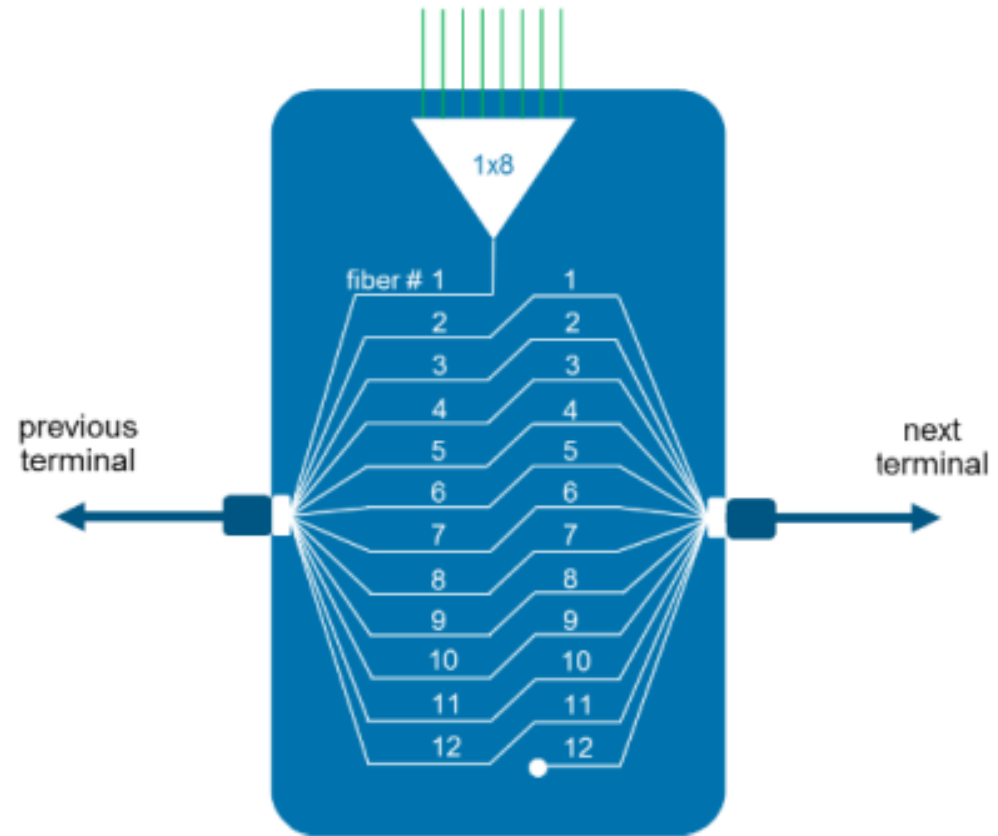


Building Block

Fiber Indexing terminals all have the same configuration, which speeds up installation.

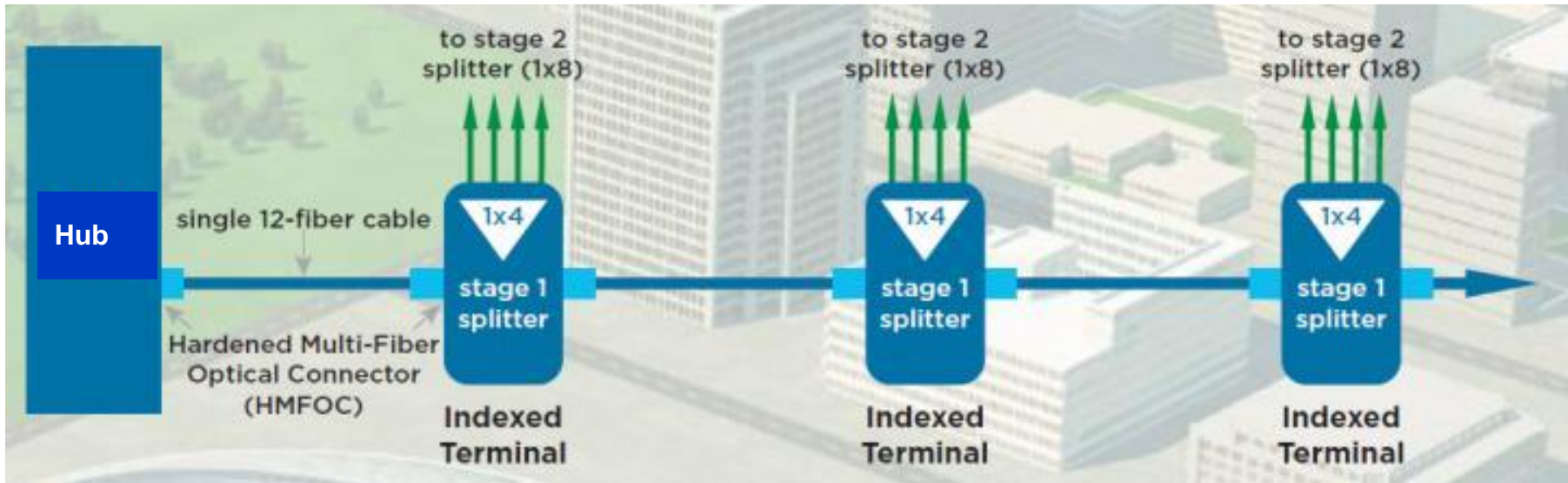
Features:

- High duct utility
- Simple installation
- No custom cables
- Complete Plug & Play
- Small number of parts to manage
- Up to 12 terminals in any run

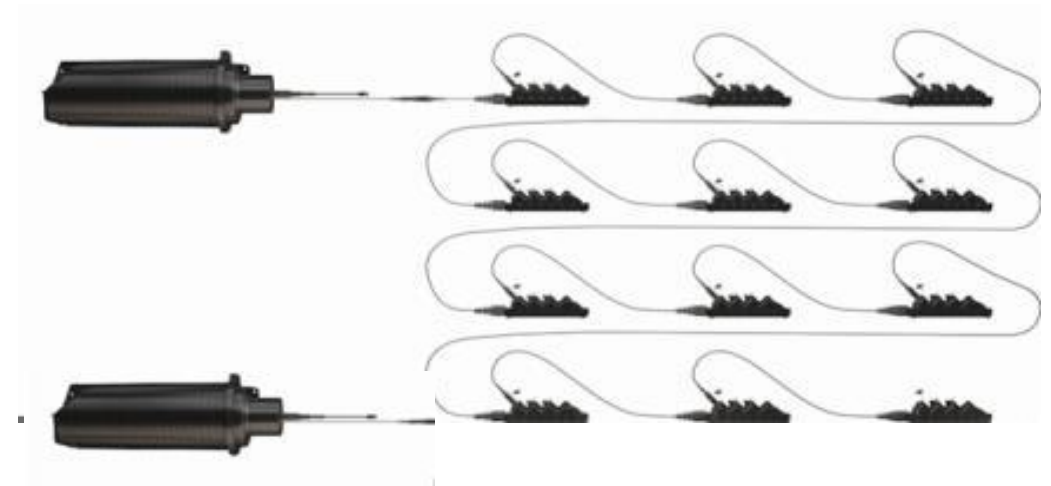


Fiber Indexing

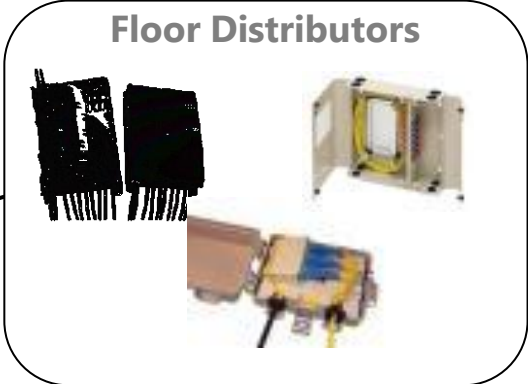
relies on daisy-chaining of fully connectorized pre-cabled hardened terminals



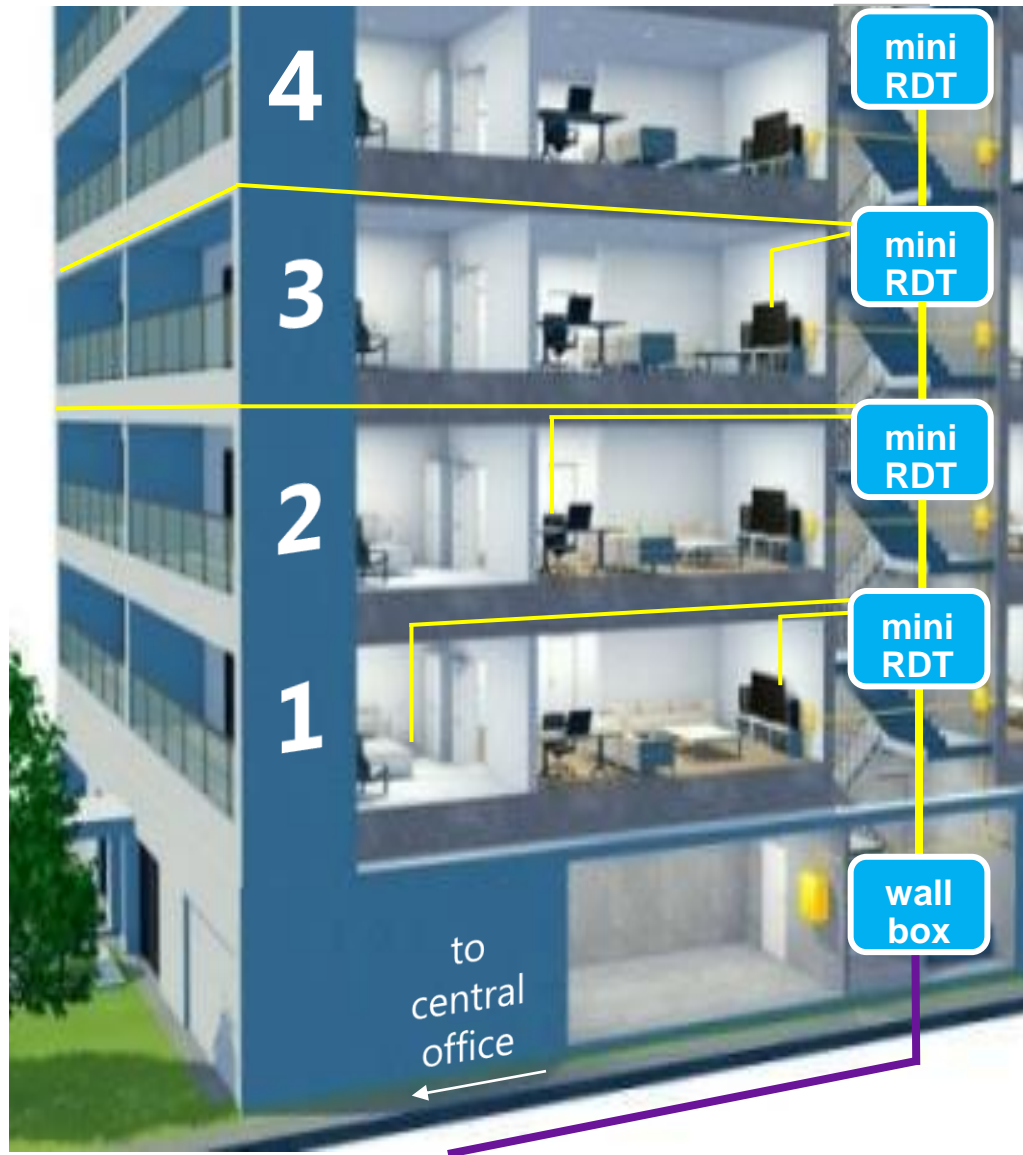
- Full plug & play terminal – no need to open
- Connectorized Multi-Fiber tail (Hardened MPO)
- Multi-Fiber port to connect next terminal
- Regular hardened ports for drop connection



Traditional MDU/Enterprise In-Building



Indexing "Changes the Game" for MDU Fiber Deployments



- Saves time and speeds deployment:
 - Reduces the amount of cable pulling to the absolute minimum
 - Can replace the 'bulky' Building Entrance terminals with a smaller wall box
 - No need for collectors
 - Improved modularity



- Reduces skill requirements: Minimizes splicing in the building
- Minimizes pathway creation: fewer, smaller cables pulled between floors

Indexed MDU Floor Terminal

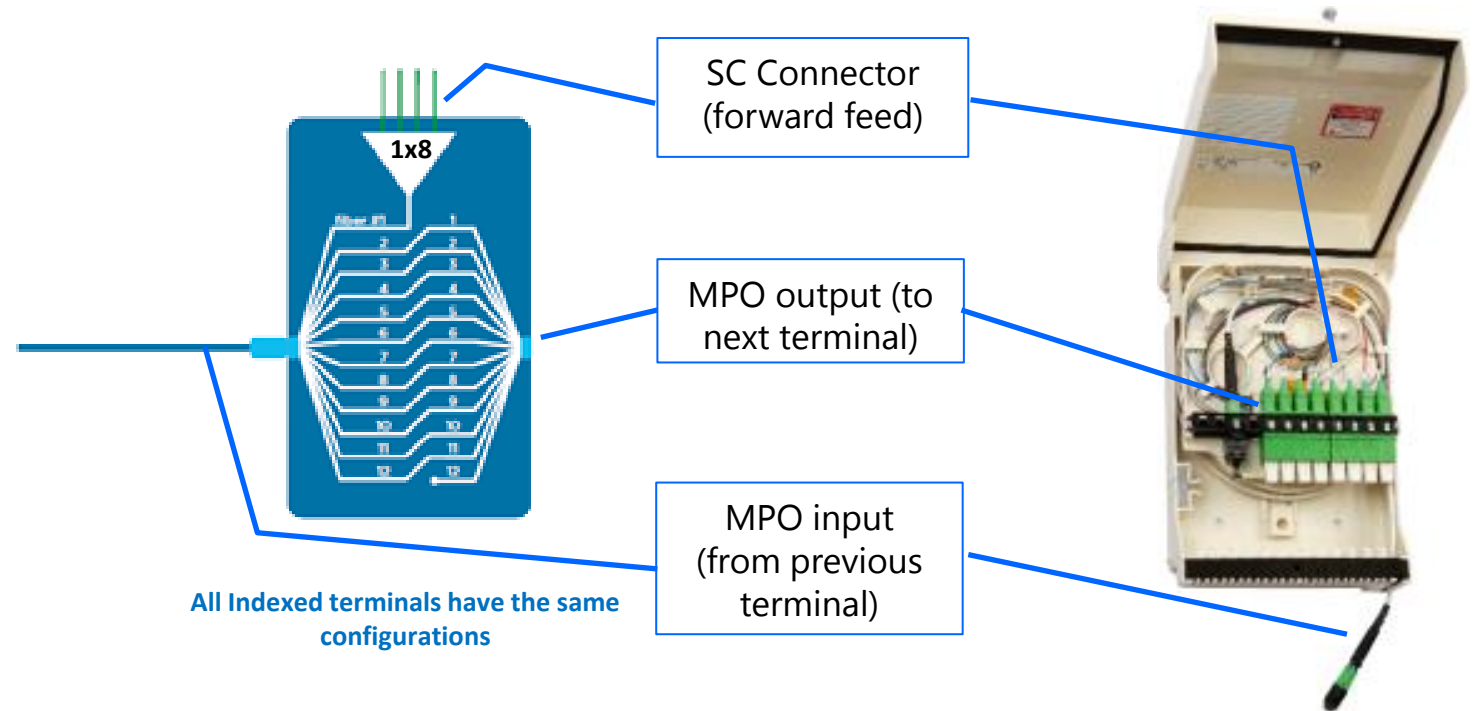
A compact, high-density, modular fiber box solution, designed to speed installation in a customer premise.

The indexing mini-RDT combines several CommScope technologies:

- Fiber indexing
- RapidReel technology

Available with:

- Indoor or outdoor enclosure
- Plenum or I/O riser cable
- MPO

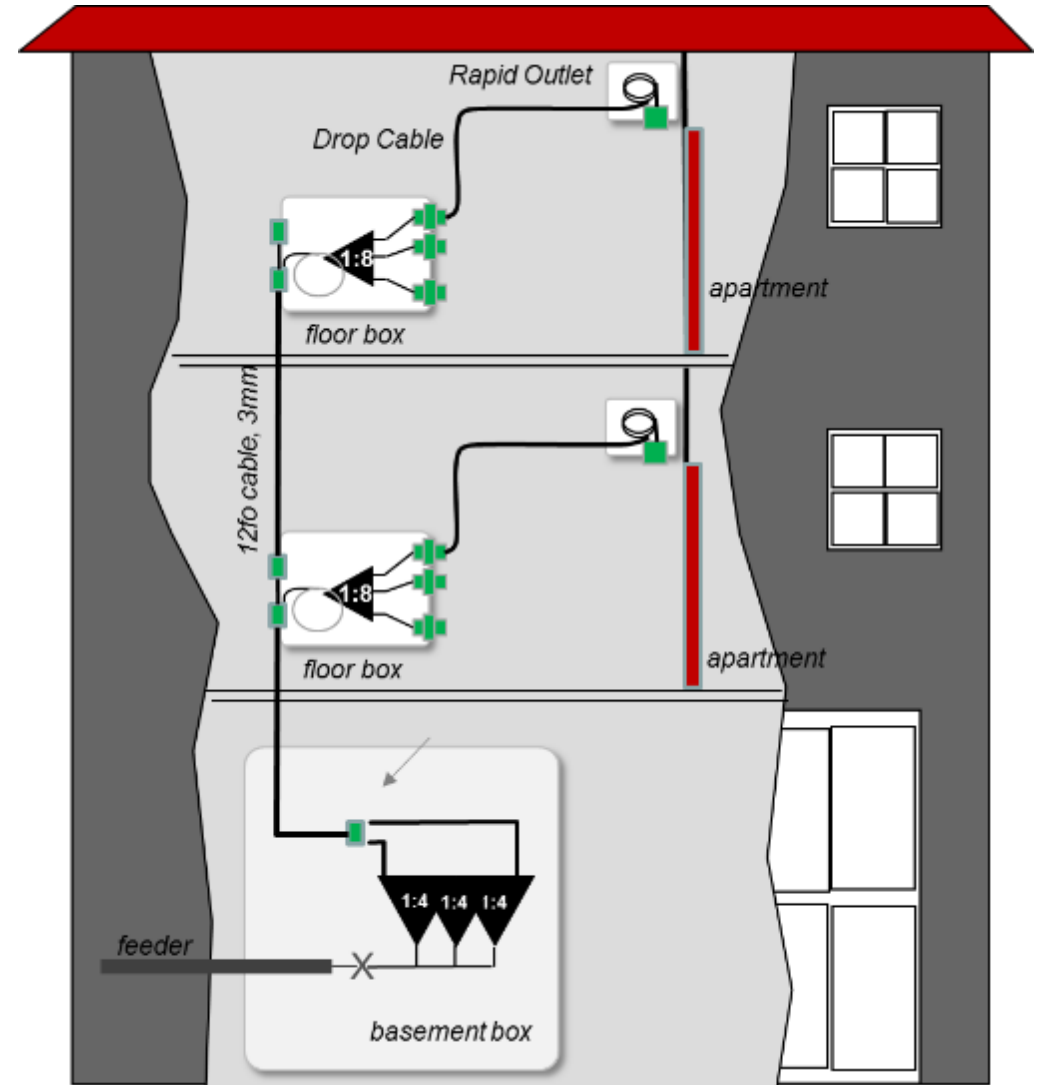


Indexed System – Vertical Distribution

Floor Distribution Box with
1x8 splitter and pre-
connectorized MPO tail



Basement Box equipped
with 1x4 splitters and
MPO outputs



How Value-Added Hardened Connectivity Saves Money

1 Factory Quality

Hardened Connectivity/Factory Assembled relies on quality factory terminations that cannot be matched in the field with construction labor.

2 Value Investing

The value-added by the factory termination will increase the cost of some components when compared to bulk cable and splice cases.

3 High Reliability

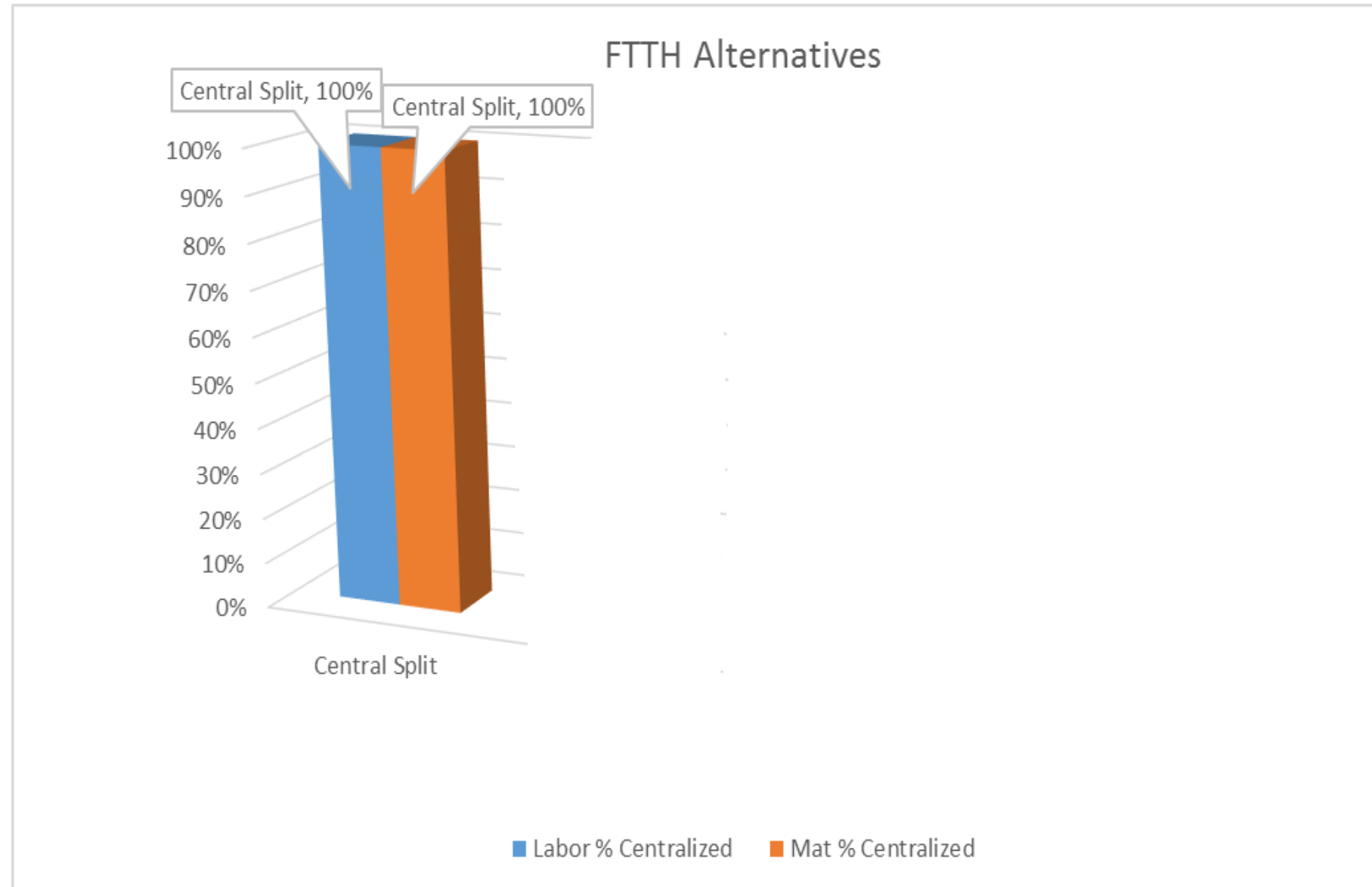
The reliability of Hardened Connectivity will save maintenance and repair costs as well as protect revenue from quality-challenged outages.

4 Lower Cost Per HP

The faster deployment time, reduced skilled labor rates, reduced plant maintenance, will result in lower cost per subscriber and faster revenue growth

Alternatives Impact Labor and Material Costs – Buried OSP

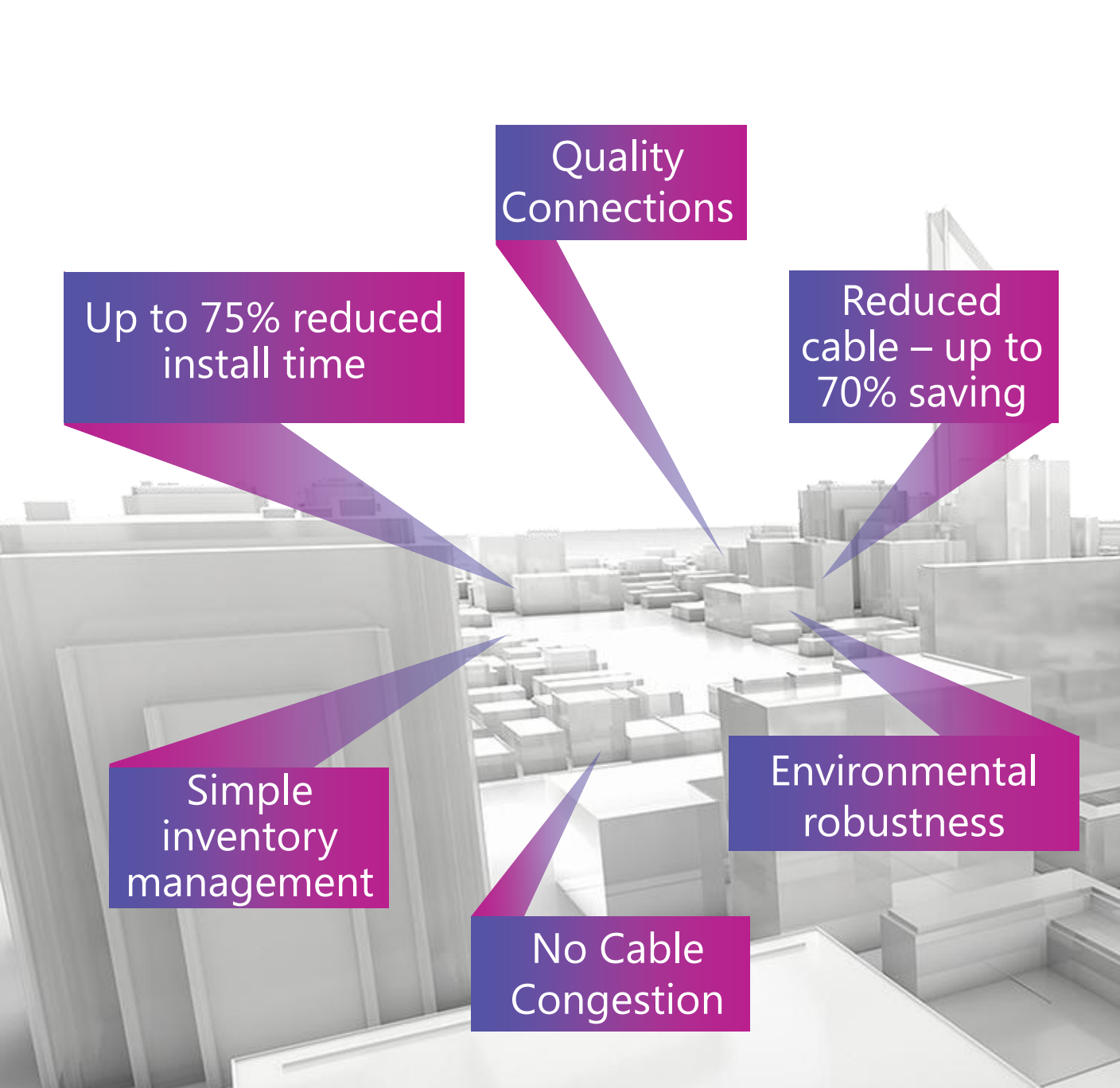
- Baseline is closure-based Centralized and Distributed Split
- Labor per cable, and per foot
- Centralized All-Splice would be even costlier
- Indexing has 40% less labor \$ than Centralized with closures.



Faster Deployment Improves ROI

- NPV looks at the current value of future revenue streams by applying a discount rate, or cost of capital.
- NPV can be determined on a per-home-passed basis and contrasted to equivalent savings on equipment or labor.





Fiber Indexing –
a solution that
combines the
strengths of star
and daisy chaining
topologies.



Let's shape the future together



5G Fixed Wireless Access
The bandwidth of fiber, the simplicity of wireless

In-building Wireless

Welcome

now meets next

STC

STC is a leading provider of 5G Fixed Wireless Access solutions, offering high-speed, low-latency connectivity for businesses and industries. Our solutions are designed to be simple to deploy and easy to manage, providing the same performance and reliability as fiber optic networks.

Thank You

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