SOLVE FOR X

It's fiber to anywhere.

CLEARFIELD

Business Services:
Product Application Examples

Note: these are examples of deployment applications. Clearfield offers multiple deployment methods that can be tailored to your specific network needs.

Deployment Scenario:

- Multiple buildings
- Multiple businesses per building
- Common communications room
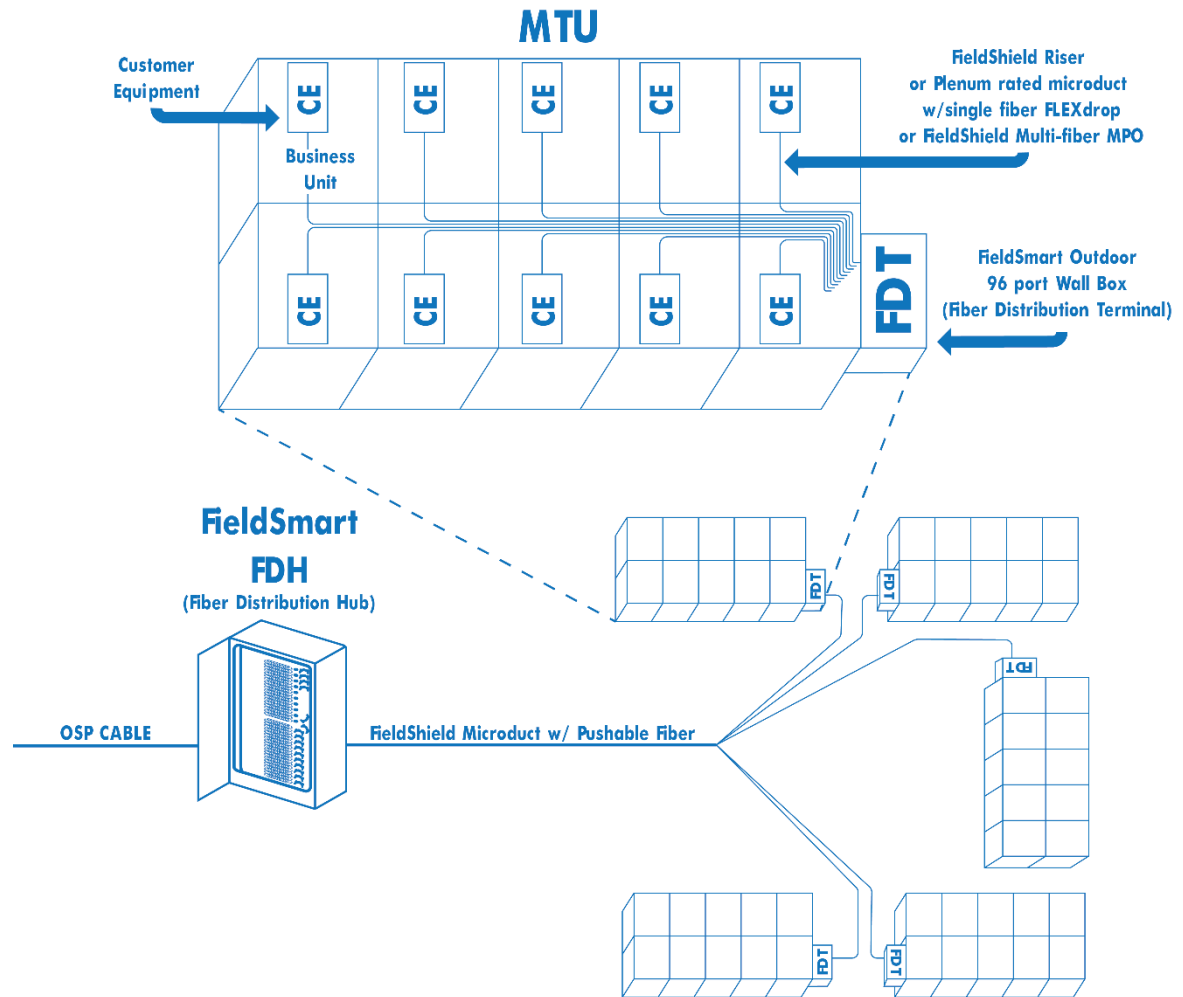- Both single and multi-fiber feeds to the businesses

Challenges:

- Customers are spread over a large area and in different buildings
- Building feed fibers need to be consolidated and managed easily
- Fibers to the customer unit must pass through multiple environments. (OSP/ISP)

Solution:

FieldShield fiber with pushable MPO passing through microduct to feed each building FDT.

Each individual customer suite is fed with FieldShield pushable fiber or FieldShield FLEXdrop terminated with a pushable SC connector. Customer services can then be managed from single location.

BUSINESS SERVICES - OFFICE PARK

MTU

Customer Equipment

CE CE CE CE CE

Business Unit

CE CE CE CE CE

FDT

FieldShield Riser or Plenum rated microduct w/single fiber FLEXdrop or FieldShield Multi-fiber MPO

FieldSmart Outdoor 96 port Wall Box (Fiber Distribution Terminal)

FieldSmart FDH (Fiber Distribution Hub)

OSP CABLE

FieldShield Microduct w/ Pushable Fiber

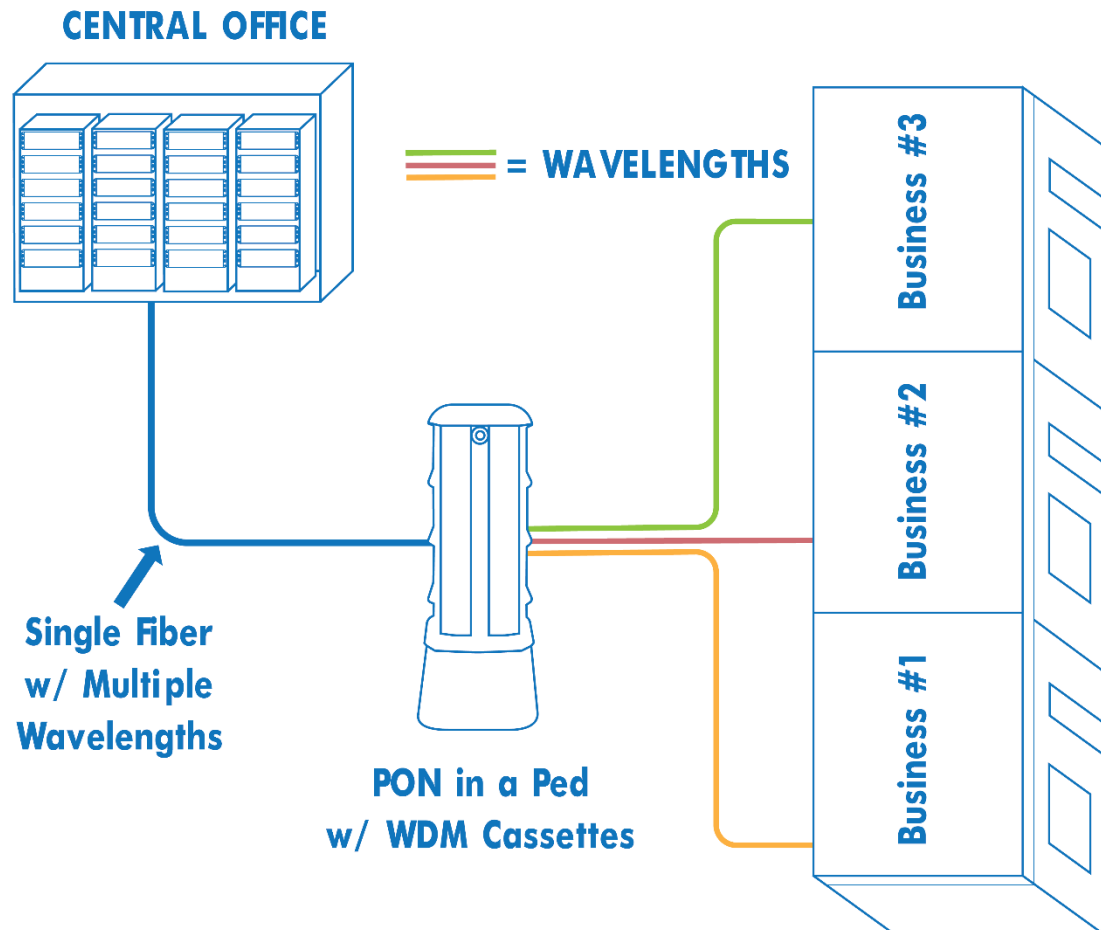# BUSINESS SERVICES - FIBER EXHAUST

Deployment Scenario:

- Single fiber feeder from the Central Office
- WaveSmart WDM optical component installed in a central location
- Individual wavelength/s for each business

Challenges:

- Minimal fiber available to service customer.
- Costly to build out new fiber
- Customer still requires services

Solution:

Ruggedized WDM allows for 1 fiber to serve many customers on different wavelengths (colors) from a single feeder fiber.

CENTRAL OFFICE

= WAVELENGTHS

Single Fiber
w/ Multiple
Wavelengths

Business #3

Business #2

Business #1

PON in a Ped
w/ WDM Cassettes
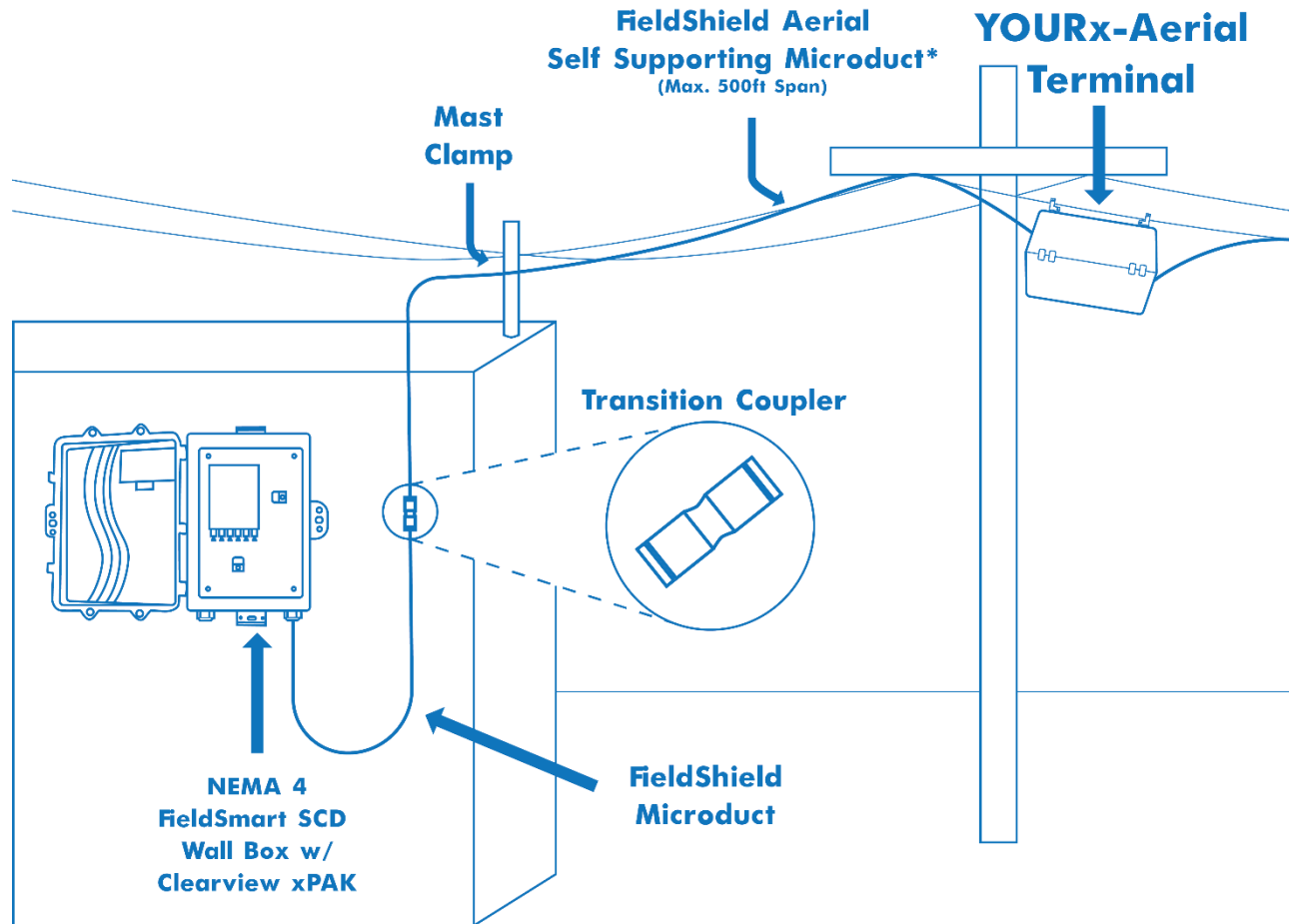
Deployment Scenario:
- Aerial access to business is the only option
- Fiber enters via aerial, self-supported microduct
- OSP duct transitions to ISP rated duct via airtight coupler
- Fiber terminates in xPAK for business connectivity

Challenges:
- Service terminal needs to be mounted at the street or alley at a pole location
- Upon entering building, plenum/riser rated microduct may be needed
- Route path is usually difficult

Solution:
- Strand mounted YOURx-Terminal accepts aerial, self supported microducts
- If rated duct (Plenum/Riser) is needed, transition couplers make the process simple
- Fiber can be terminated in an assortment of enclosures that accept multiple termination products. (YOURx Flex Box for xPAK or Clearview Cassette)

FieldShield Aerial
Self Supporting Microduct*
(Max. 500ft Span)

YOURx-Aerial Terminal

Mast Clamp

Transition Coupler

NEMA 4
FieldSmart SCD
Wall Box w/
Clearview xPAK

FieldShield Microduct

*Aerial Application also supports
FieldShield FLATdrop with field
installable FlexConnector.