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.
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.
**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)