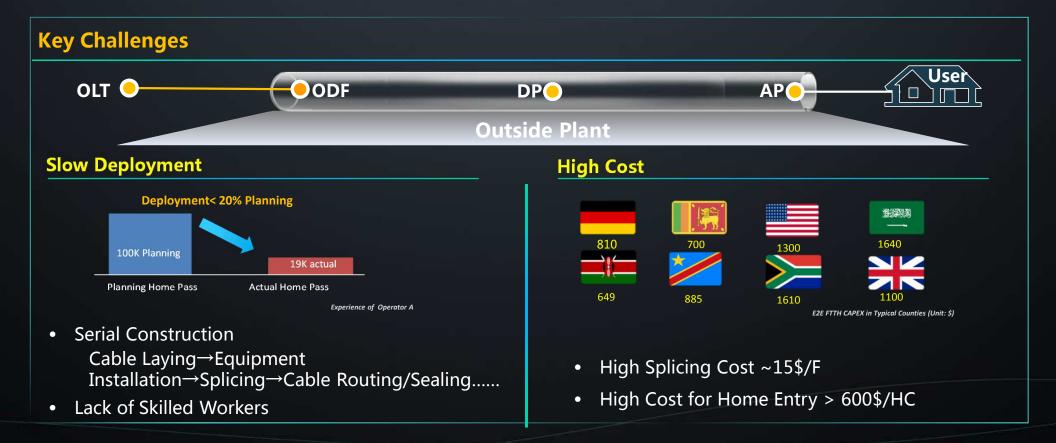
# Huawei FastConnect ODN 2.0 Solution

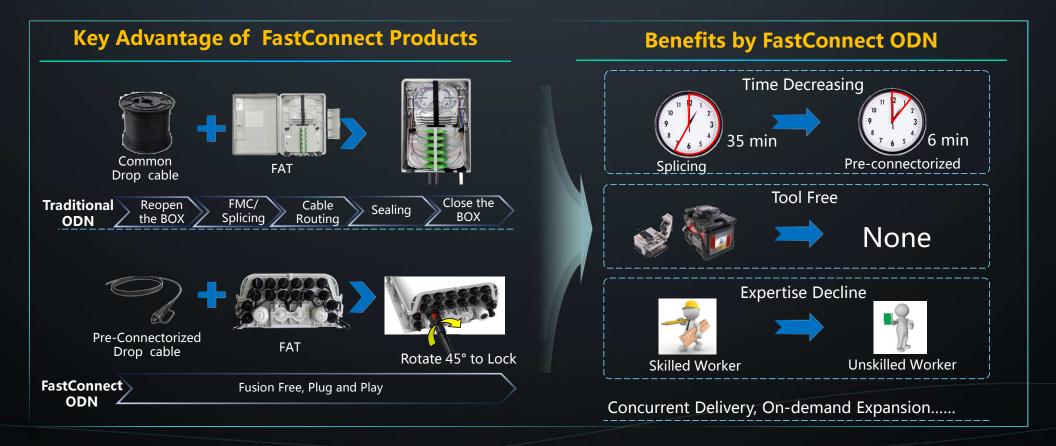
Huawei Access Network 2018-11



# **Key Challenges in ODN Construction**



# Innovative FastConnect ODN Solution Accelerate FTTH Deployment



# **Development of Huawei FastConnect ODN Solution**



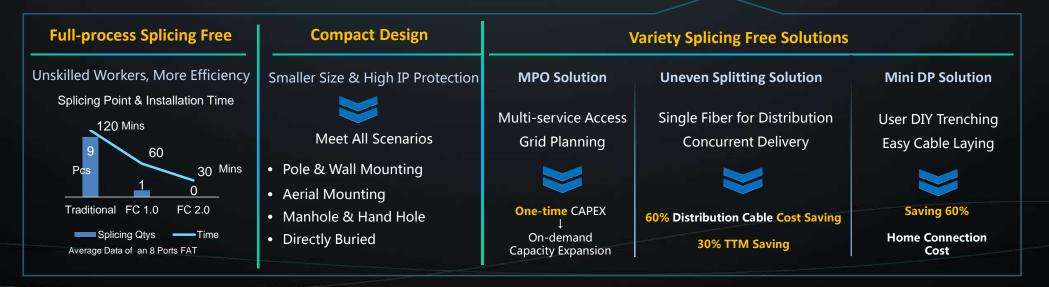
#### FastConnect ODN 1.0

- Drop Cable Splicing Free, Plug and Play
- ✓ Pole & Wall Mounting Installation

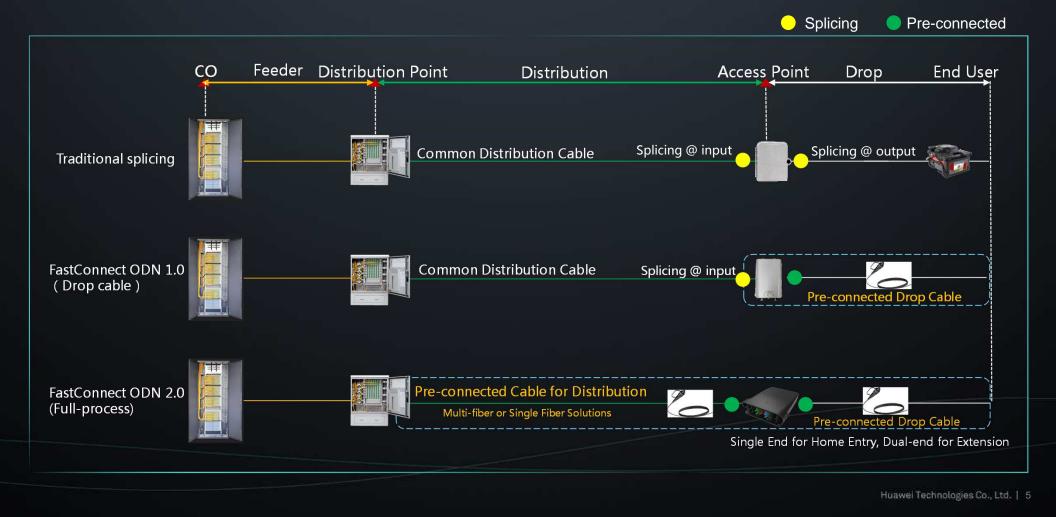


#### FastConnect ODN 2.0

- ✓ Full-process Splicing Free
- ✓ Compact Design
- ✓ Variety Splicing Free Solutions



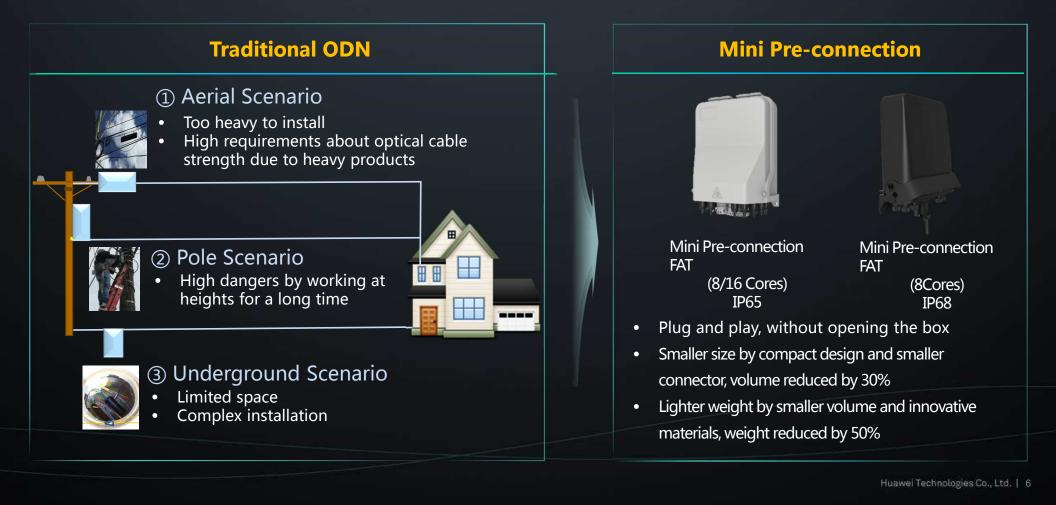
# **Full-process Splicing Free to Build Efficient ODN Network**



Differences

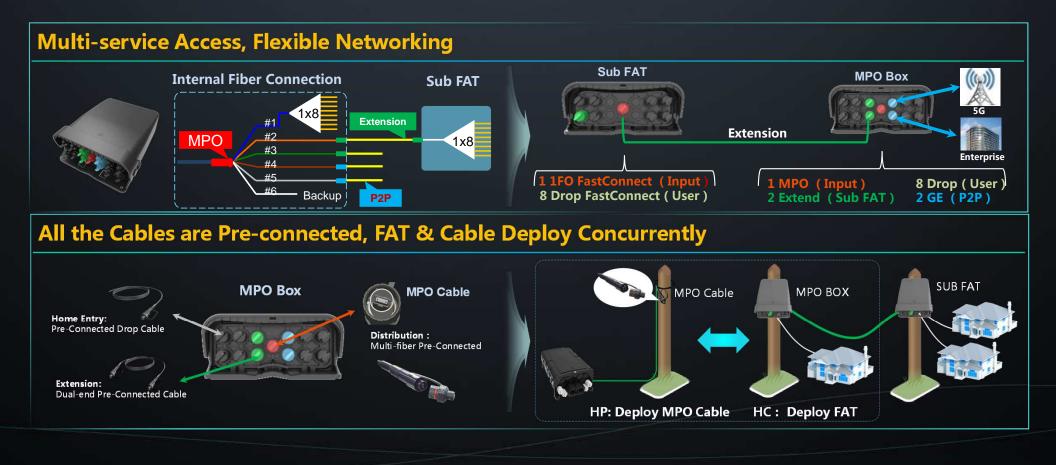
#### Compact Size

# Compact Design: Smaller and Lighter , Apply to More Scenarios



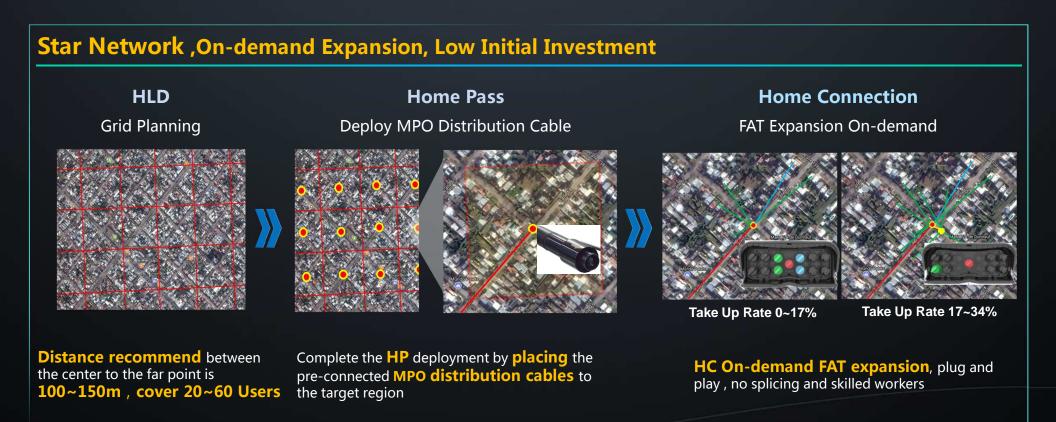
**MPO** Solution

# MPO Solution: Flexible Networking and Concurrent Delivery



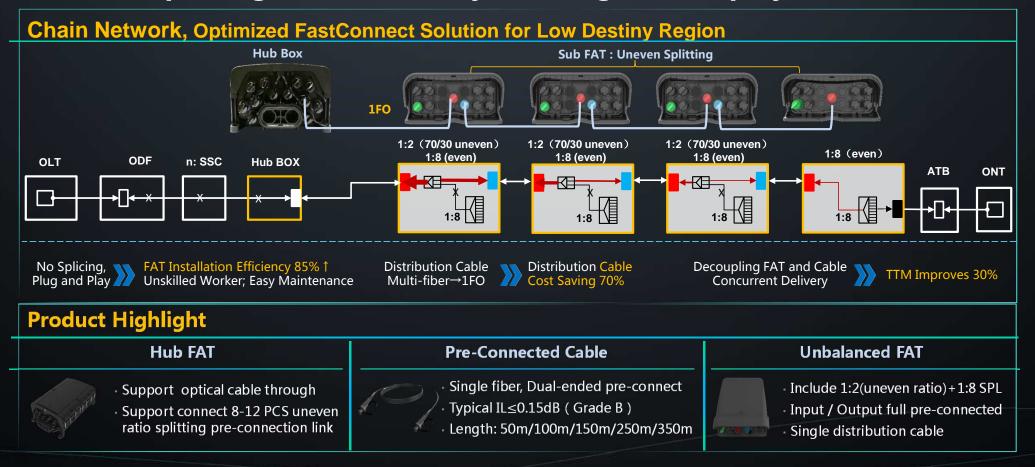
#### MPO Solution

# **MPO Solution:** Easy HP Construction, Low Initial Investment



**Uneven SPL Solution** 

# **Uneven Splitting Solution**, Easy Planning, Fast Deployment



Mini DP Solution

# **Inspire End-User: DIY Trenching Reduce Home Connection Cost by 60%**



# FastConnect Products Highlights

		<image/> <image/>	1. Jacket (LSZH) 2. 0.9mm tight buffer 3. Ripcord (1, White) 4. Aramid yarns	Messenger wire Outer sheath Colored fiber Strength member
FAT2501 (8)	FAT2502 (16)	Distribution Cable (Round)	Drop Cable (Round)	Drop Cable(bow type)
Size: 275 x 175 x 89mm Max Capacity: 8 SC Protection level: IP65 Installation: Wall and Pole Pass Through& Branch	Size: 300 x 200 x 118mm Max Capacity: 16 SC Protection level: IP65 Installation: Wall and Pole Pass Through& Branch	Fiber Count: 1 Connector Type: SC/APC Protection level: IP68/65 Insertion Loss: Max. ≤ 0.30 dB Cable Diameter: 5mm、3mm	Fiber Count: 1 Connector Type: SC/APC Protection level: IP68/65 Insertion Loss: Max. ≤ 0.30 dB Cable Diameter: 5mm, 3mm	Fiber Count: 1 Connector Type: SC/APC Protection level: IP68/65 Insertion Loss: Max. $\leq$ 0.30 dB Cable Dimension: 2*5.3mm

# Huawei Pre-Connectorised Products Selected by Operator Globally



Succeed Cases

# **FastConnect Solution Succeed in Telefonica**

Total 6M+ Ports

Deployed

#### Spain with Telefonica:

- The Best FTTH Country in Europe
- FTTH Cost = 450 USD / Per household
- TTM = 3Million Home Pass / per year

#### **Policy & Regulations: Open Access**

#### Facade Fiber

#### **E2E FastConnect Solution**

4 Years Continuous Delivery

1.5M+ Ports

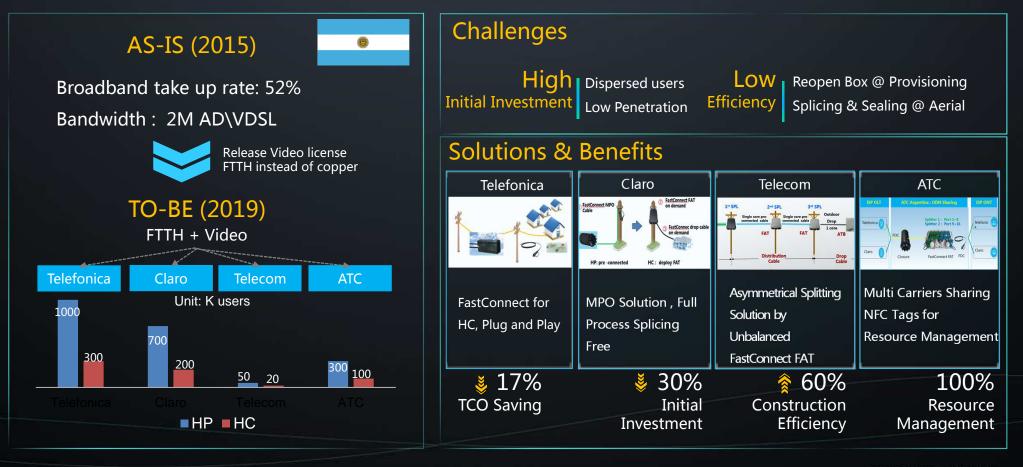
Shipment / Year



Wall mounting FAT + Pre-connected Drop Cable ,Plug and Play.

Succeed Cases

# **FastConnect Solution Success Cases In Argentina**



# Facing Giga Fiber Era , Let' s Write the Future Together

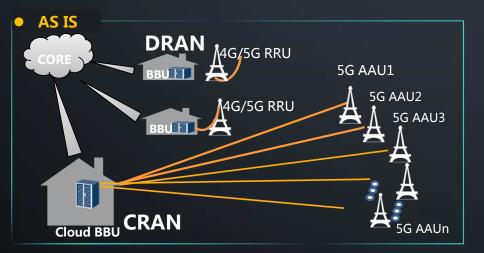


# Thank You.

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# Fastconnect2.0 supports multi-scene applications in 5G Era



# TO BE DRAN4G/5G RRU BULL A SG AUI BULL A SG AUI SG AUI SG AUI OSN Fiber cable MUX Fiber cable Cloud BU CRAN

#### **Plug and Play**

- Fastconnect 2.0 realize plug&play (fiber to AAU), tools free
- IP65, suitable for a variety of extreme environments
- Can be upgraded to MPO as needed to support higher density deployments

#### **Optical Components PAYG**

- Built-in MUX can easily support fiber multiplexing
- Support mini OADM 、OTDR

reflector  $\ensuremath{{\ensuremath{\mathsf{c}}}}$  splitter on-demand deployment

Modular configuration of optical

components, fast connection via adapter

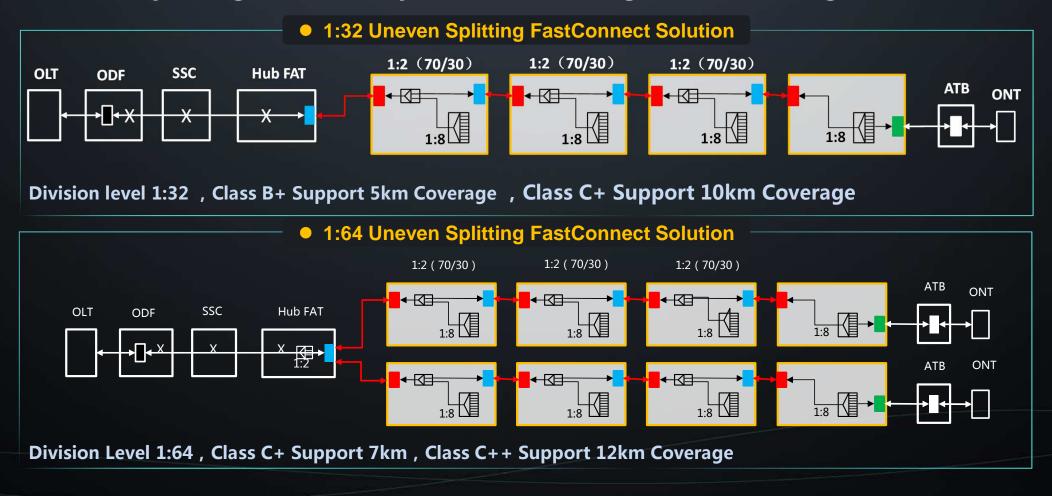
#### **Multi-scene Applications**

- Compatible with WDM-PON scene
   and passive DWDM scene
- Compatible with bidirectional SC and bidirectional dual LC connector
- Industry-leading periodic AWG

design for MUX

Support FMC convergence

## **Uneven Splitting Solution Optical Power Budget and Coverage Distance**



## **Uneven Splitting Solution Optical Power Budget and Coverage Distance**

