

CABLE-TEC EXPO® 2017

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THE NEXT BIG...

DEAL
CONNECTION
INNOVATION
TECHNOLOGY
LEADER
NETWORK



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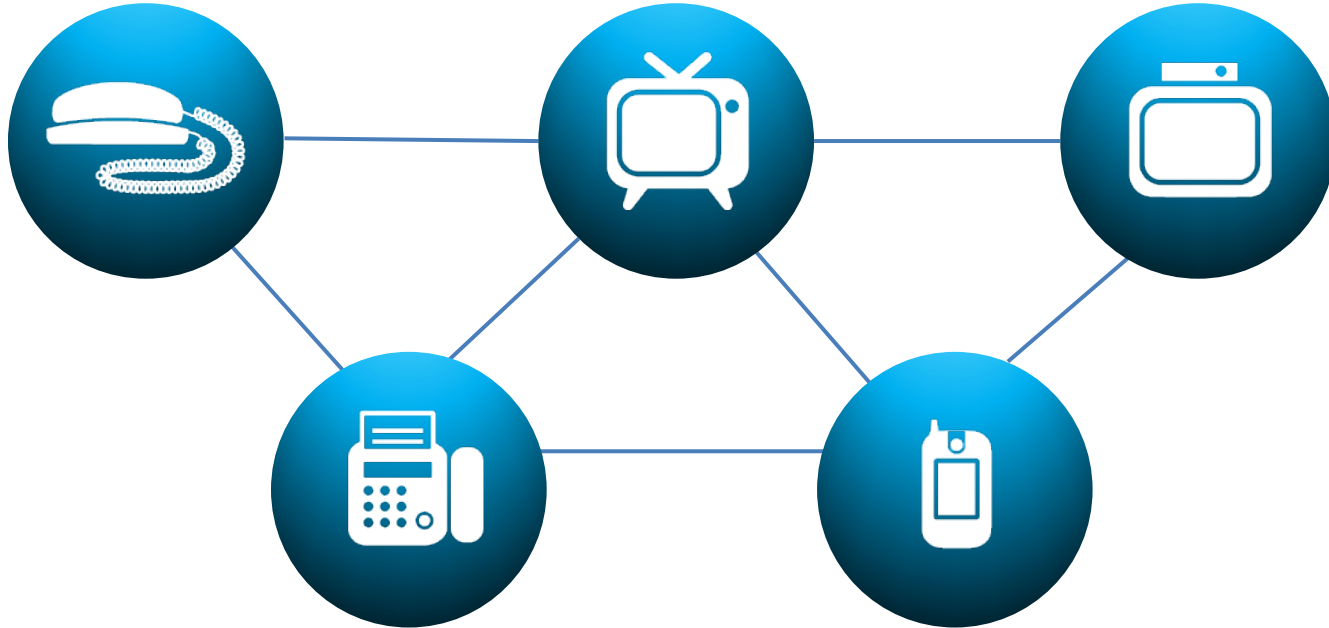
Competitive Advantages of HFC Networks in Wireless Convergence

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Director, Field Applications
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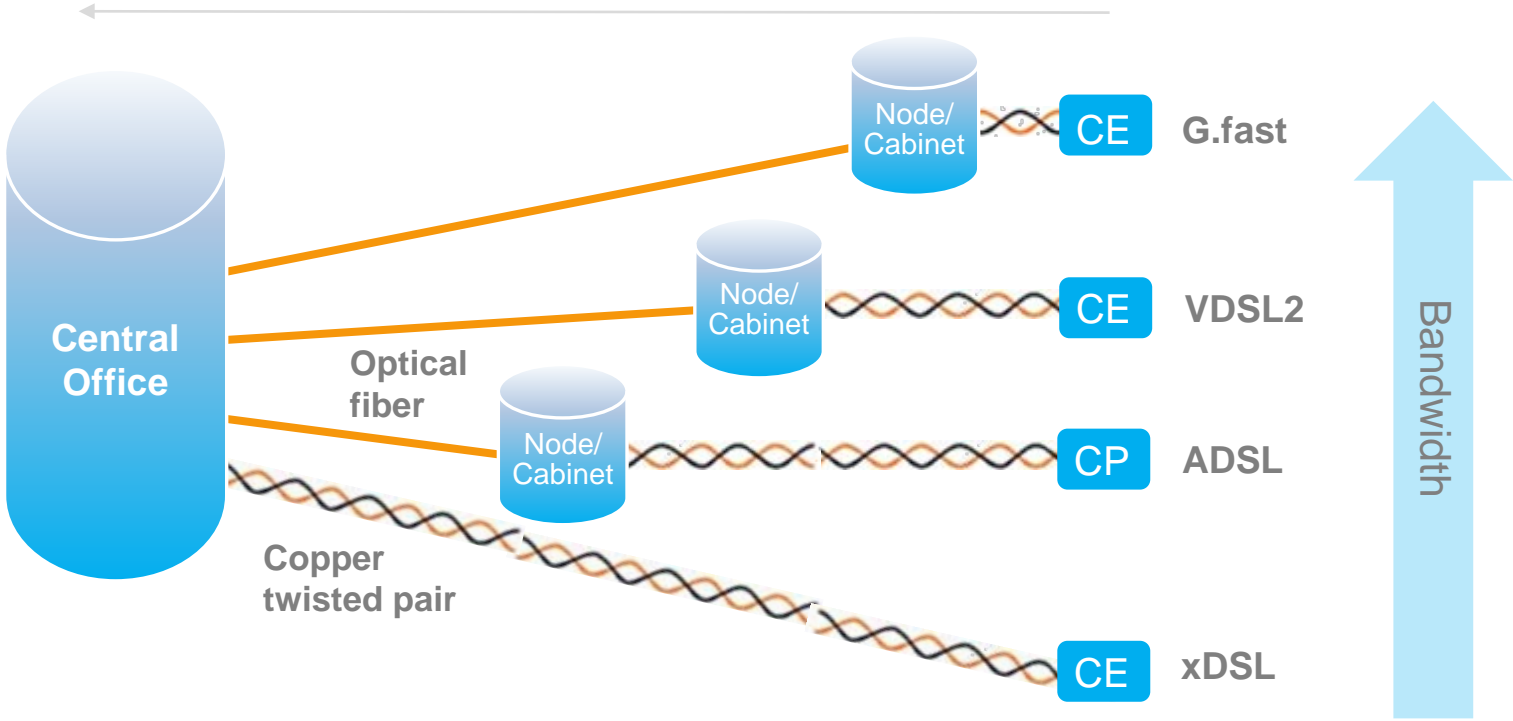
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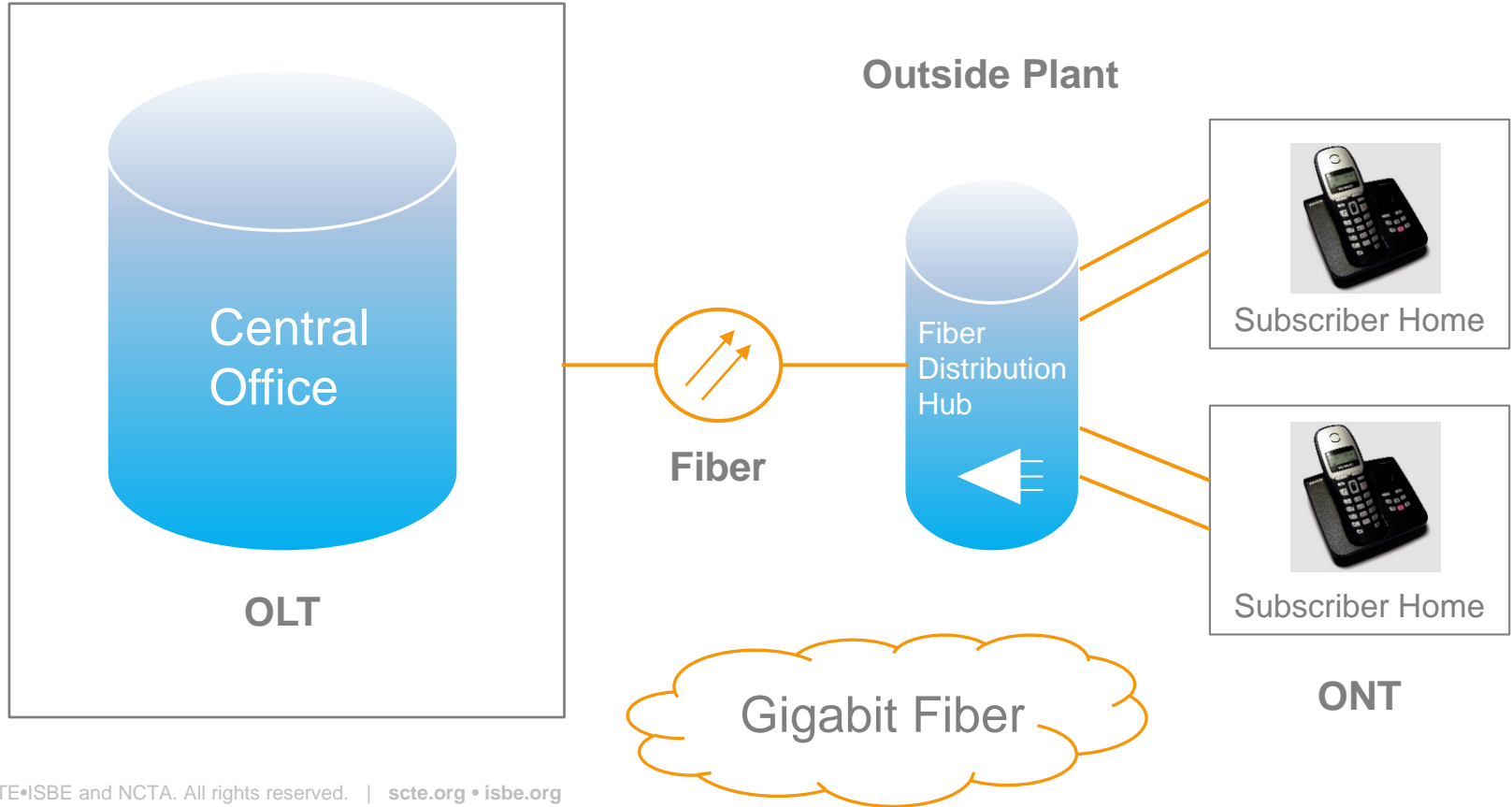
Just a few short years ago...



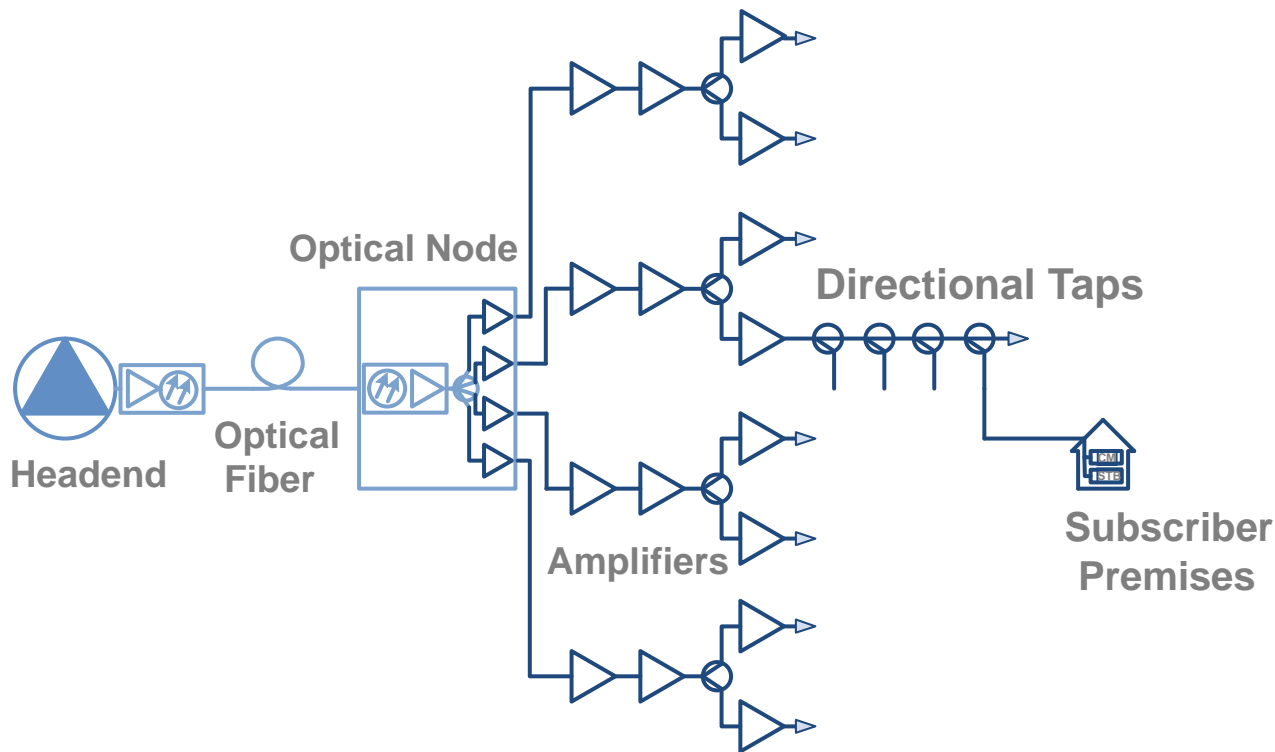


A Tale of Two Networks

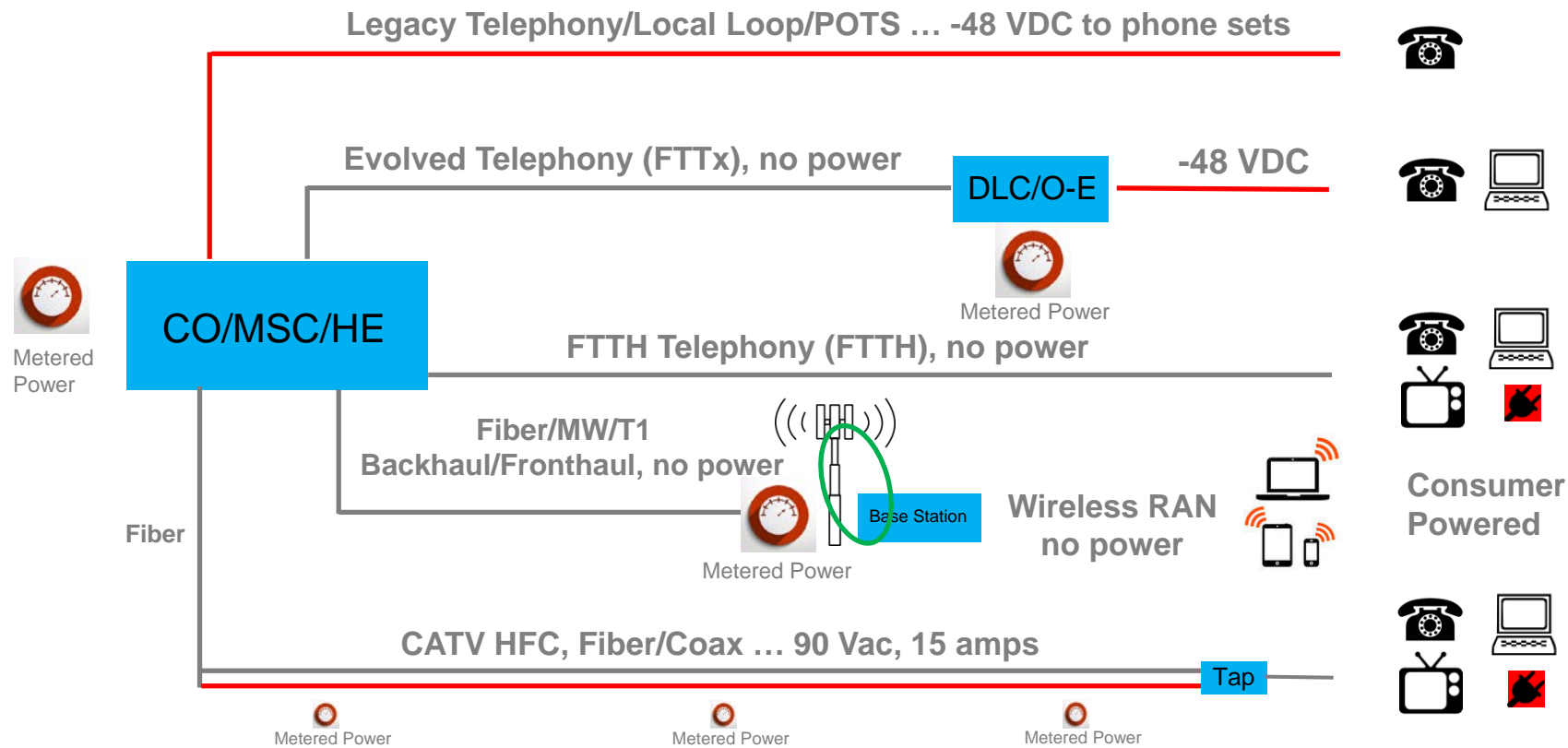




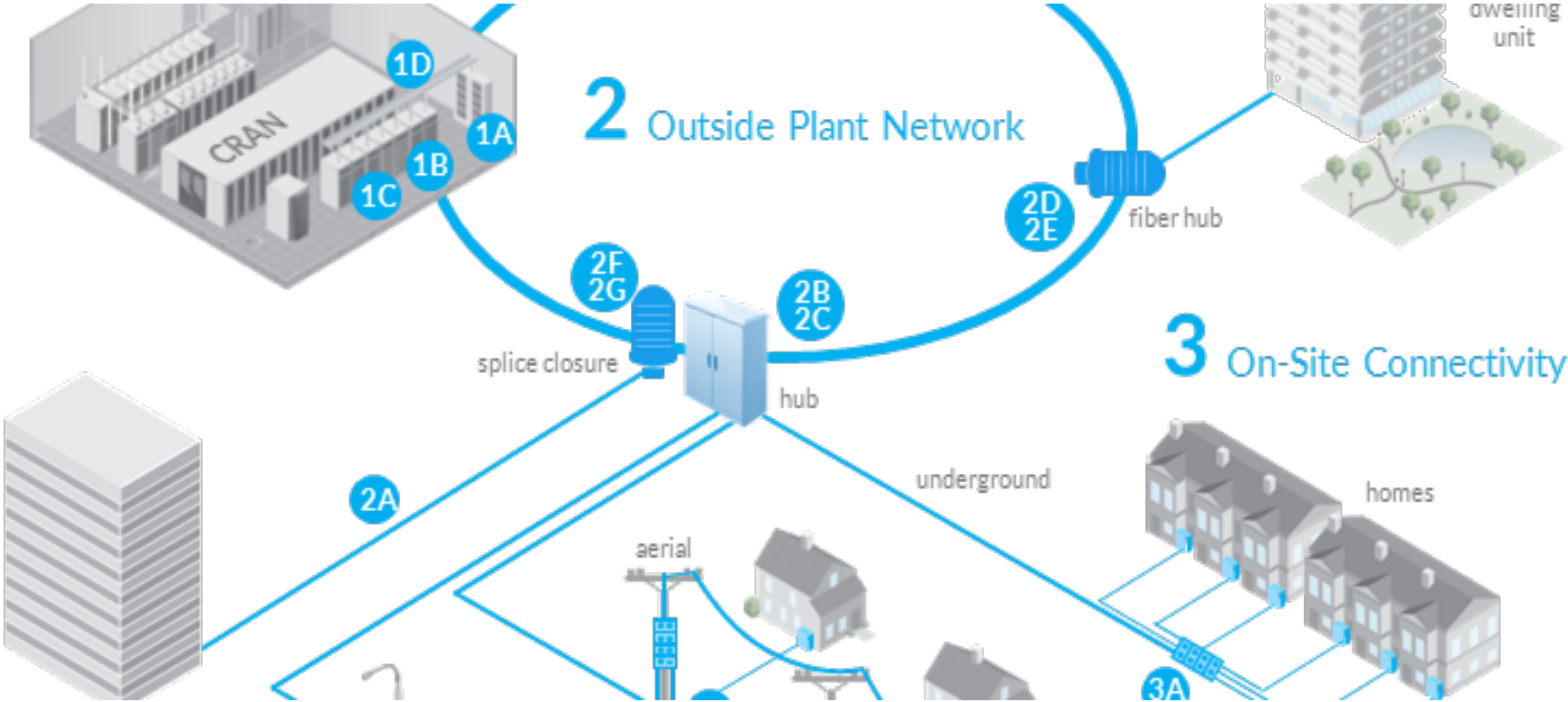
Hybrid Fiber Coax (HFC)



Power in the Access Network



OSP Convergence



POWER

Wireless Access Points and Edge Devices require power to operate

BACKHAUL

Edge devices and Access points require backhaul connectivity to the data centers

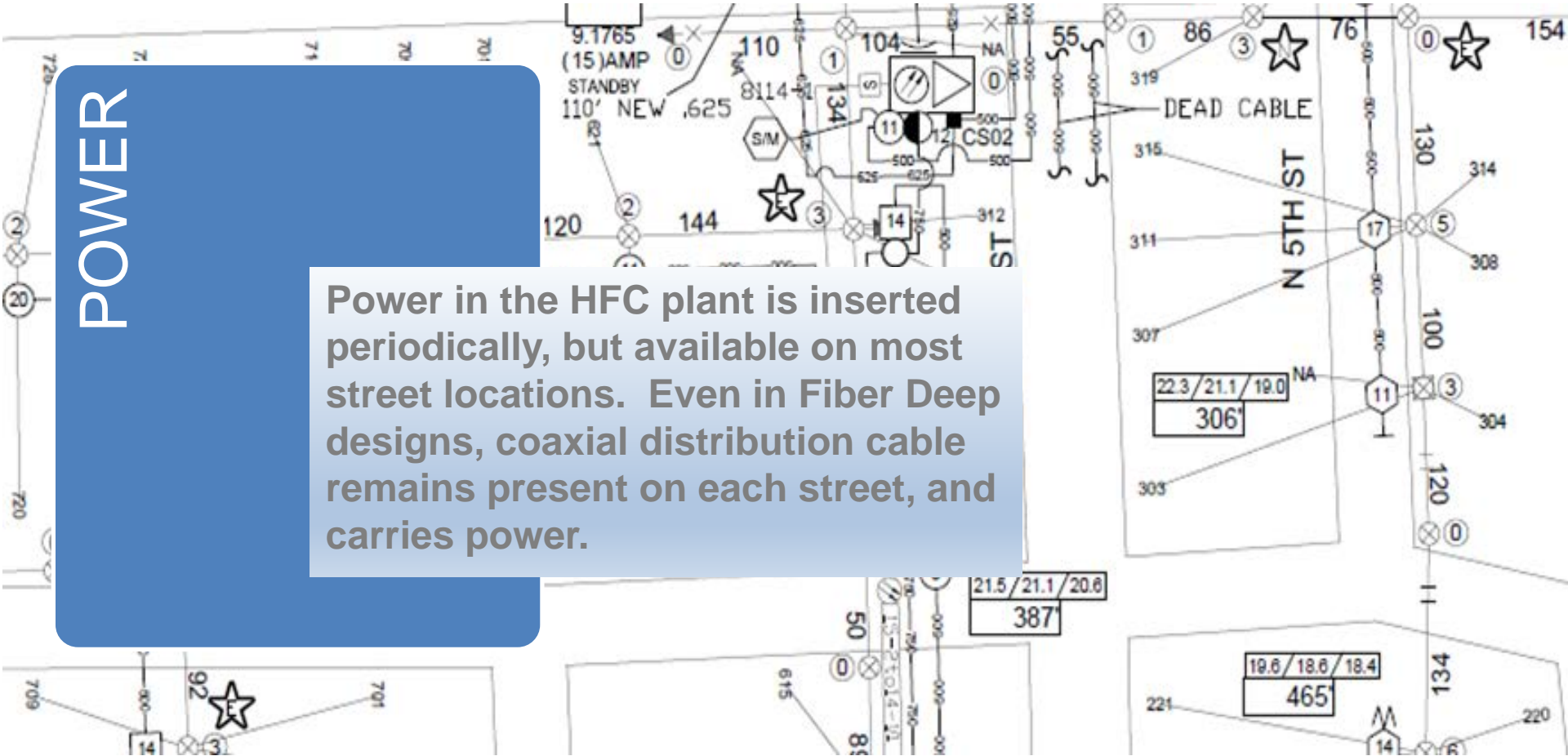
SITE ACQUISITION

Real estate is required to facilitate the placement of wireless devices with defined range and overlap

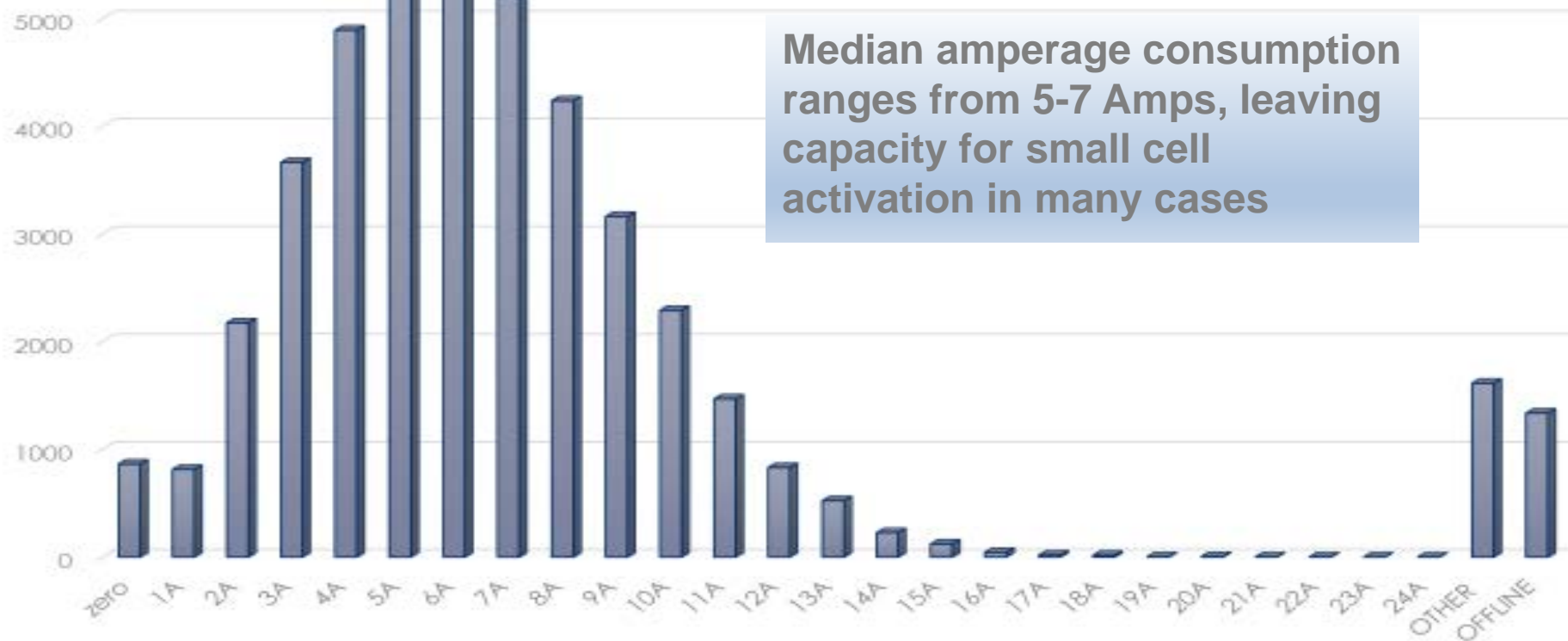
HFC Power is UBIQUITOUS

POWER

Power in the HFC plant is inserted periodically, but available on most street locations. Even in Fiber Deep designs, coaxial distribution cable remains present on each street, and carries power.



HFC Power is AVAILABLE



BACKHAUL

D3.1

Full Duplex DOCSIS

CWDM

DWDM

Dark Fiber

CPRI

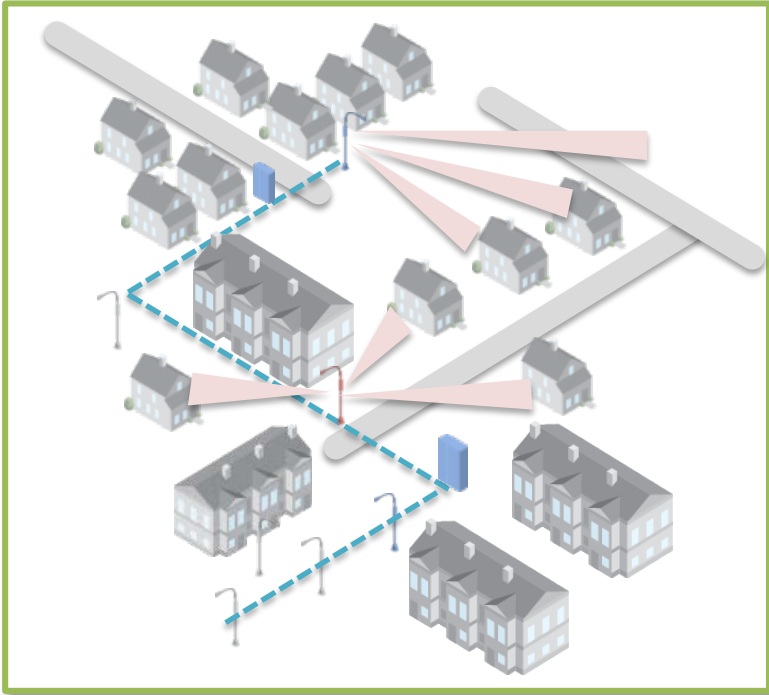
E-CPRI



SITE AQUISITION

Ubiquitous
and powered
ROW both in
aerial and
underground
HFC plant
eases site
selection

Conclusion - An Opportunity for Service Providers



- ✓ HFC provides power, backhaul and site
- ✓ Complements fixed broadband deployments
- ✓ Can match fiber speeds with 5G technology
- ✓ Favorable for LTE densification and 5G

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THANK YOU!

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