



SCTE CABLE-TEC
EXPO'13
OCTOBER 21-24 / ATLANTA, GA

RFOG FTTH EFFICIENCIES

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Director of Education and Certification

SCTE

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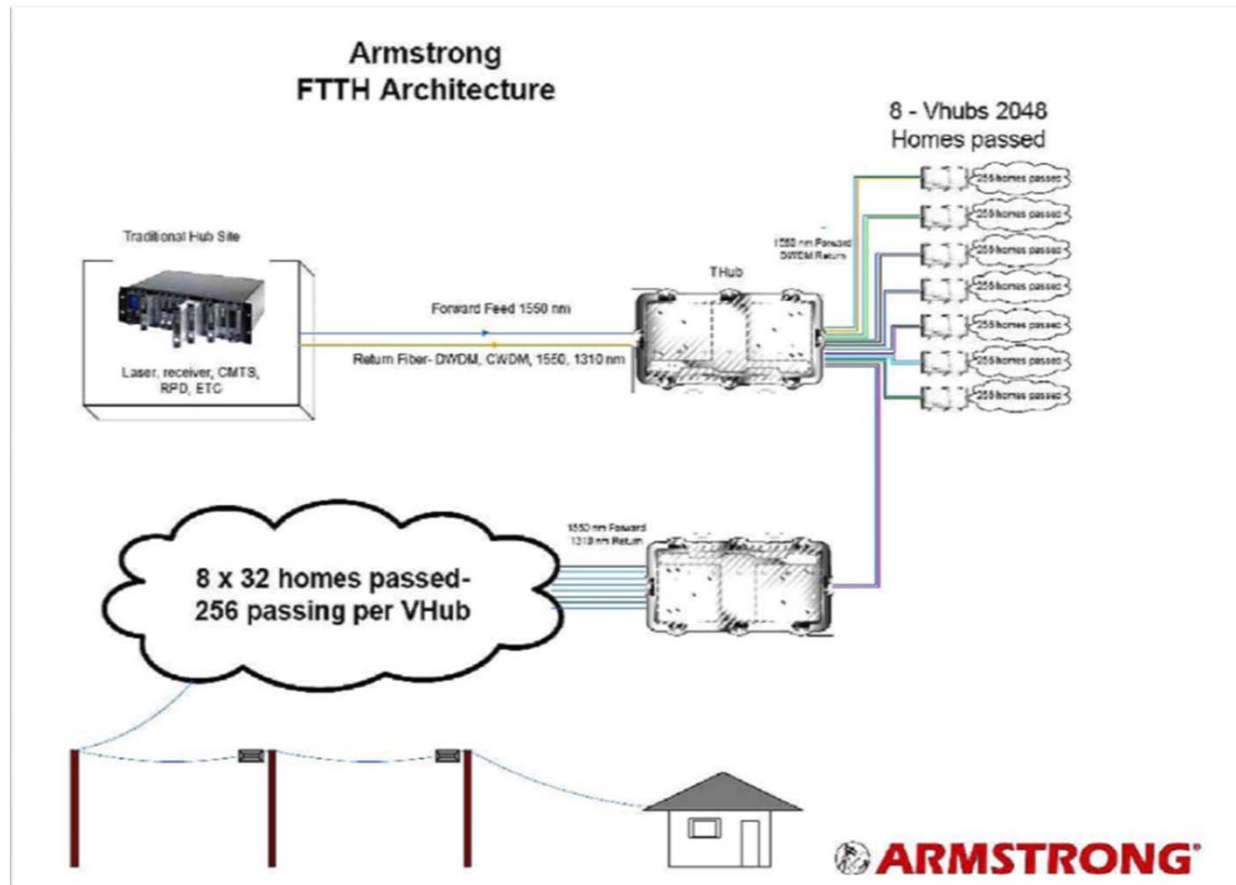
FTTH: Why Do It?

Armstrong Case Study

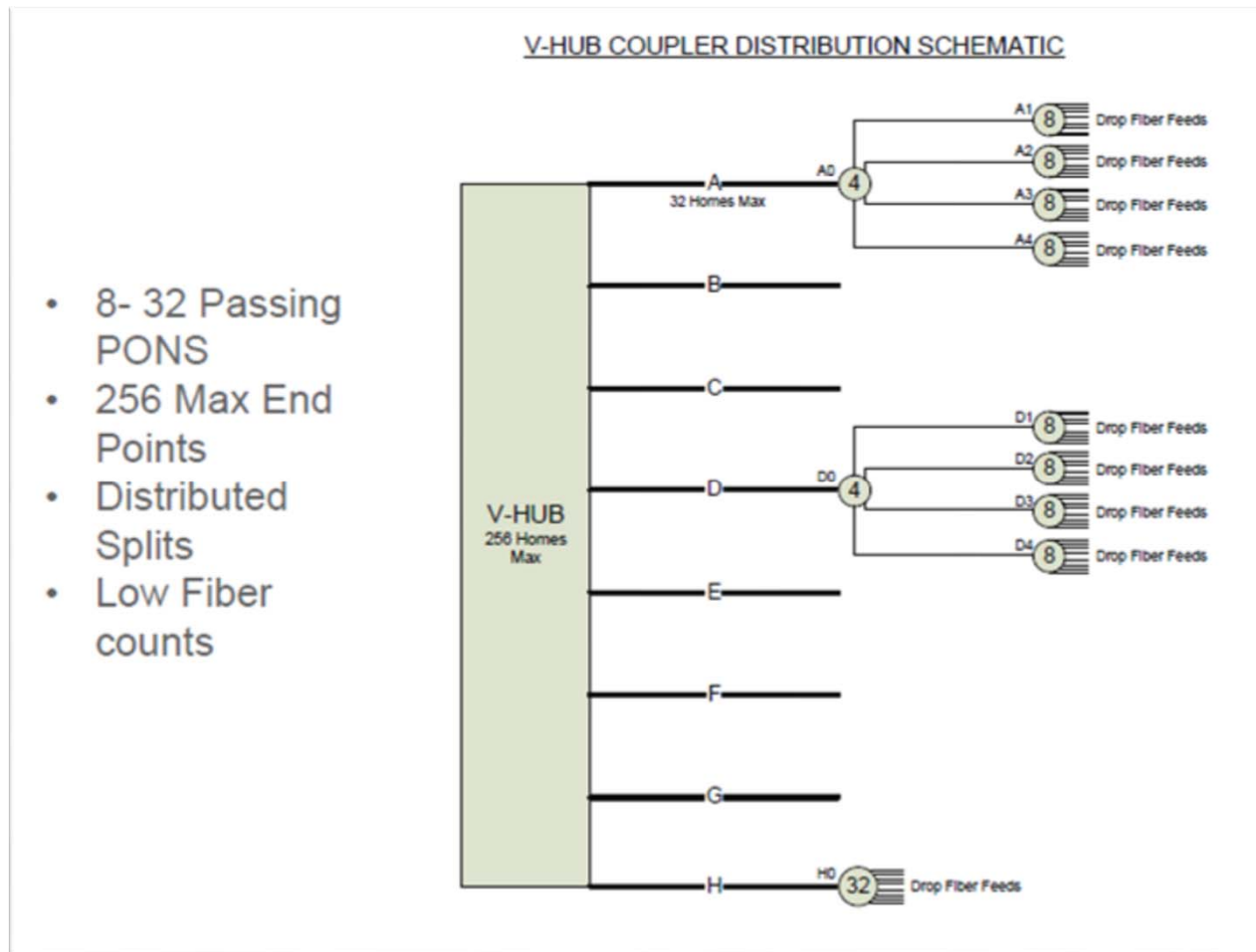
- ▶ Competition often causes us to look for new and creative solutions
- ▶ Need to overcome the skeptics...
 - A cost effective architecture does not exist!
 - It will be too expensive to build and maintain!
 - It's too difficult to train the workforce!



Architecture and Design

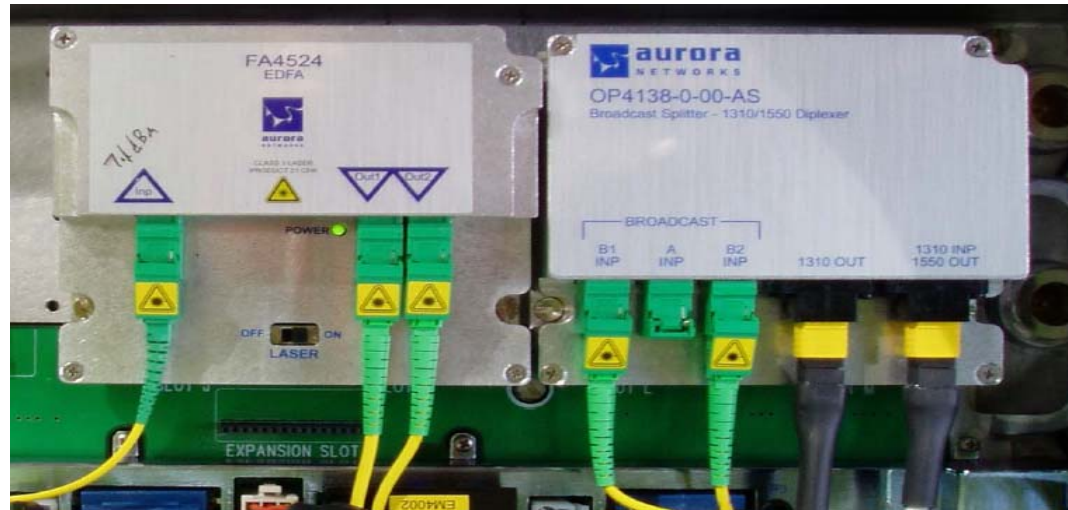


Feed Design



VHub

Lid



Base



Micro Node Examples



Armstrong Case Study

- ▶ 10 to 20 % less to build
- ▶ Build less stand miles
- ▶ No amplifiers to sweep
- ▶ CLI not necessary
- ▶ Reduced Make-Ready
- ▶ Limited environmental effects on plant
- ▶ Lower power utility bill



The Workforce is Prepared and Thriving



Rural Location with Long Drops



Locate Splice Enclosure



Aerial Splice Enclosure



UG Splice Enclosure



Premises Box



Mounting the Premises Box



Premises Box with Splice Tray



Mounting the Micro Node



Routing the Long Fiber Drop



Drop Pole Team



Drop Pole Attachment



Stripping Drop Fiber Jacket



Drop Fiber



Splice Tray



Exposing the Fiber



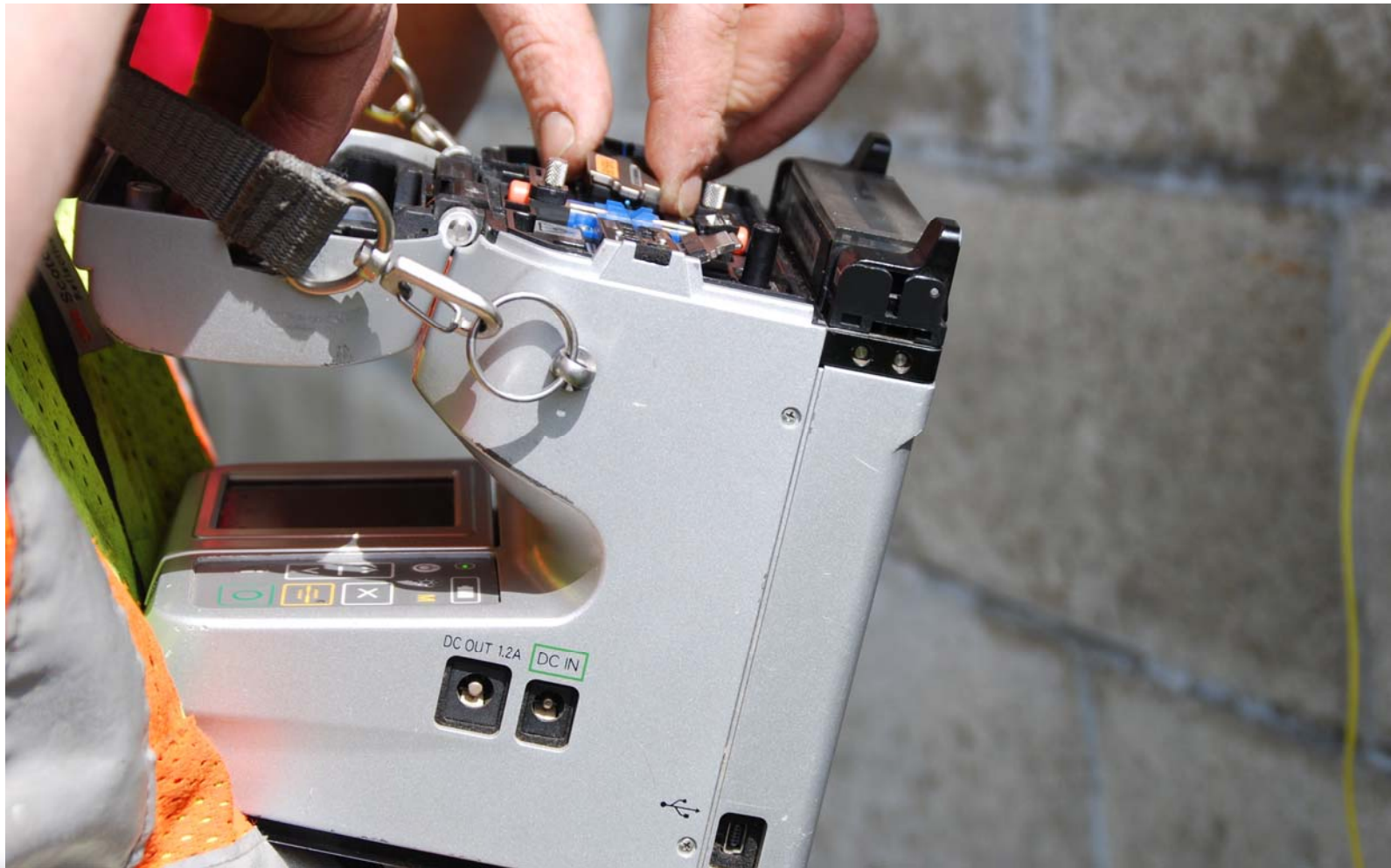
Preparing to Splice



Portable Fusion Splicer



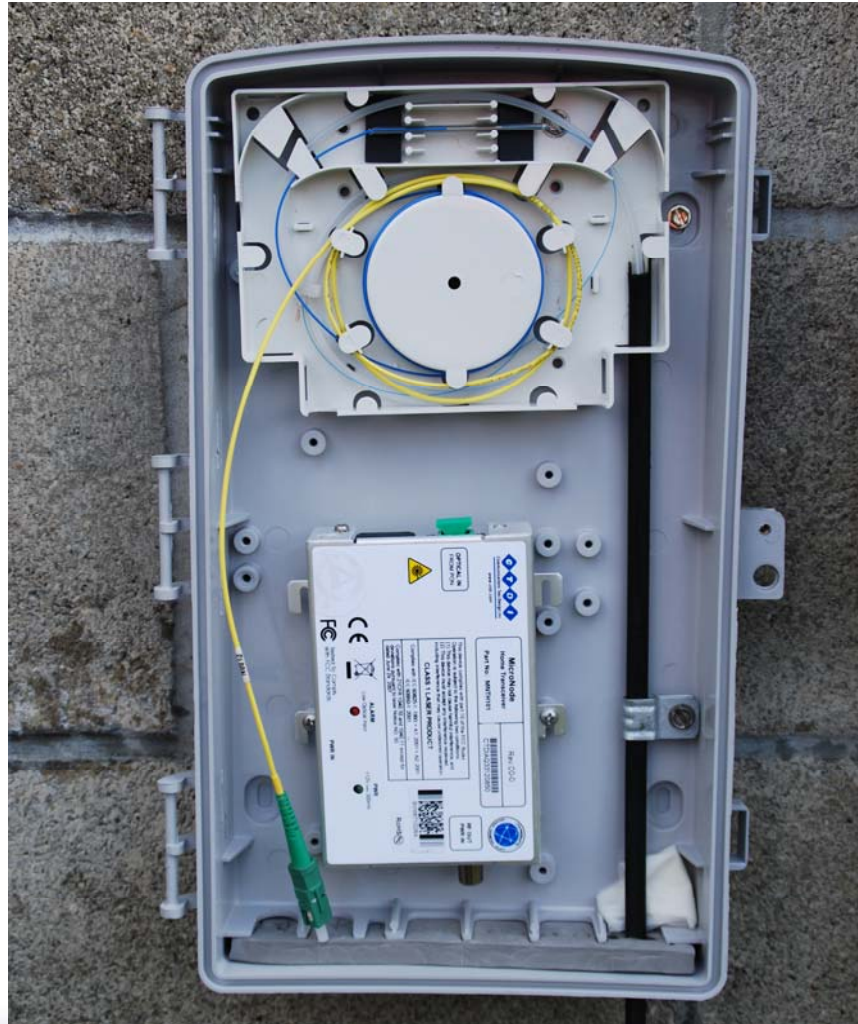
Ready to Splice



Successful Splice



Installed Premises Box



Check Levels



Which Route will You Take?





 **CABLE-TEC**
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