How to plan for a successful, data-driven and collaborative FTTx project
We need to demonstrate tangible, objective evidence earlier.
Getting designs sooner needs to be our goal

Outside plant design and engineering drives many CAPEX and OPEX decisions across a fiber rollout.
On a recent project for the design of a fiber network serving 2,900 homes, auto-design saved us 50% of the time required to typically complete the initial design work; getting us to the field sooner.

Andy Heins, Operations Manager
Finley Engineering USA
The market is changing, we need to change with it.

Different Technologies

FTTH Wireline (GPON, NGPON, XGS.PON)
Fixed Wireless
Cellular Wireless (5G)

Greater Competition

Telcos
Engineers
Elec Coops
Munis
Manufacturers
+

Complex Value chain

Planning
Field Validation
Design and Engineering
Construction Ride Out
Construction
O&M
+

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First, let’s consider networks in a different way.
These nodes can be anything.
These edges can be anything
OSP logic can be applied To these nodes and edges
Then, we can generate designs we can put trust in.

Automated design is all about giving you the ability to rapidly generate and manipulate holistic designs with ease.
Different Design Areas

Different Design Architectures
Disclaimer

Costs are indicative only. The costs used here do not represent any real or averaged market and are used only to demonstrate the concept.

Total costs derived are not to be taken as advice on what technologies to use in your network.

Users of FOND bring their own costs based on their unique access to equipment and labour.
Meet Emma.

A consultant working with her customer to determine the feasibility of different network architectures.

AUTOMATED GPON DESIGN GENERATION | ARCHITECTURE ANALYSIS | DESIGN COLLABORATION | QUALITATIVE AND QUANTITATIVE COMPARISON
Let’s summarize what we just went through:

- Tested an arch that’s a fully connectorized solution, and one without.
- Iterated a design to test the feasibility of Active Ethernet with her customer in real-time.
- Collaborated with her customer on the cost implications of different architectures.
Meet John.

An OSP Engineer belonging to a local ISP who is testing out the commercial feasibility of different markets.

AUTOMATED DATA SOURCING | AUTOMATED GPON DESIGN GENERATION | QUALITATIVE AND QUANTITATIVE COMPARISON
Let’s summarize what we just went through

- Rapidly tested the cost feasibility of different areas
- Costs derived from a real design
- Interrogated the design areas in a visual way
Speed, accuracy and collaborative benefits are undeniable

However, it requires a change in process, which needs to be managed and can’t work in isolation.
Thanks for joining us
Any Questions?

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Come say hi,

Booth #727

September 25th & 26th
Fort Worth, Texas