

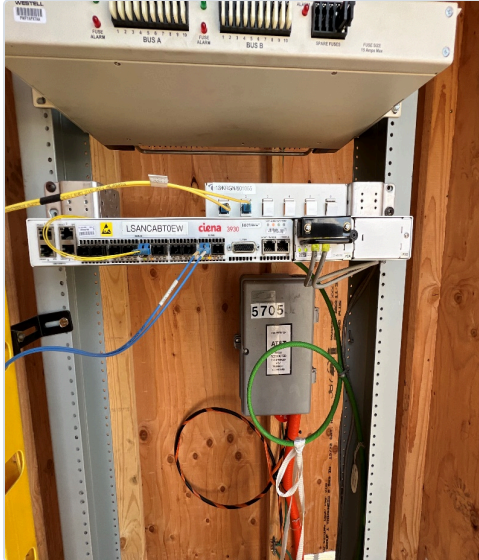
Timothy Otholt · Field Cabling Work

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Ventel Telephone · Contractor for AT&T · Southern California · 2023–2025

Upgraded fiber-optic network routers (Fujitsu HSN8300NA) at 22 AT&T cell sites without interrupting service. Racked and installed units, pulled cable, ran fiber jumpers up to 100 ft, and wired –48 VDC power from the site DC plant.

RACK INSTALL & CABLE RUNS



Before. Existing Ciena 3930 rack ahead of the upgrade.

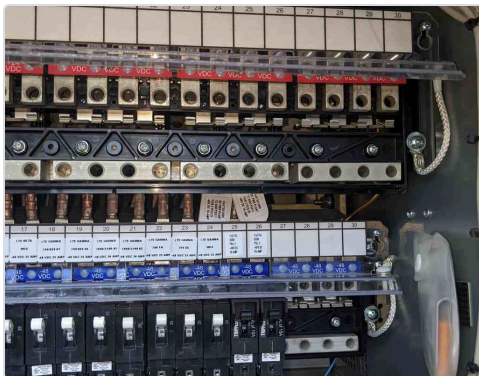


After. Fujitsu HSN8300NA installed under the Ciena 3930 and DC fuse panel; fiber dressed and bundled.

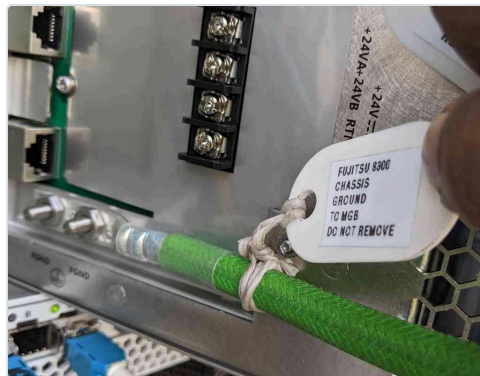


Cable run. Mule tape pull line for a 35 ft cable run, tagged DAFI/EMUX to LTE.

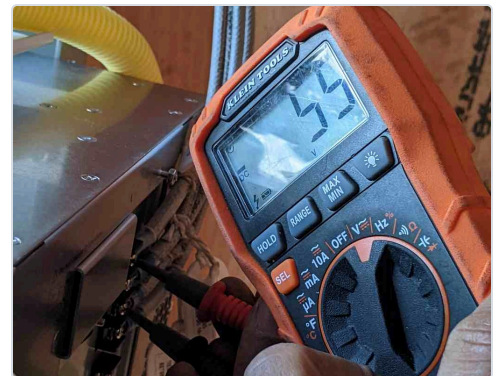
–48 VDC POWER & GROUNDING



DC plant: new feeds landed on breaker positions 25 and 26.

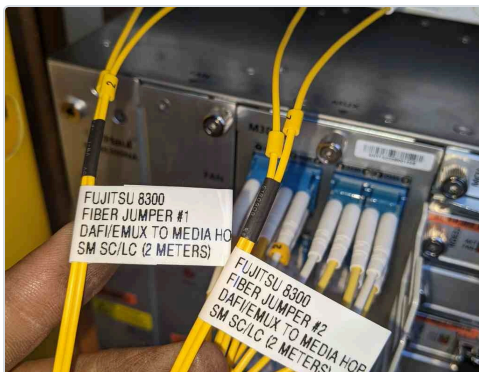


#6 AWG chassis ground run from the 8300 to the master ground bar.

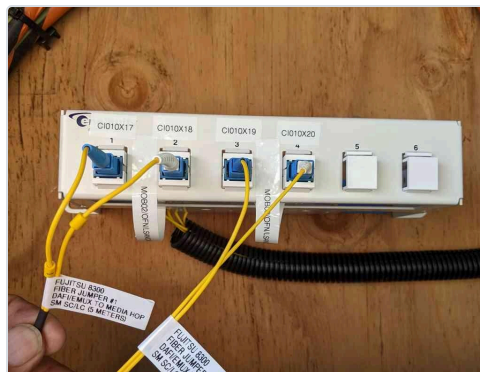


Both feeds checked with a meter before power-up.

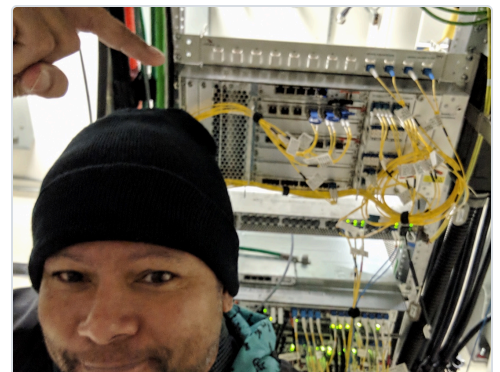
FIBER JUMPERS · ROUTED, DRESSED, LABELED · ON SITE



Each jumper labeled by system, number, route, connector type and length.



Labeled jumpers patched into the media hand-off panel.



Another site. Indoor AT&T equipment room, with another finished 8300 install.