

SNUG 2022

- ELV Streetlights – How do you do it?
- ITS Australia Summit – What's not hot in ITS anymore?
- Tradesmanship in Installation – What does bad look like?



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Tradesmanship in Installation

Why do we allow corners to be cut in installation work?

And who is responsible to 'police' the quality of a job?

A quote from my first boss during my apprenticeship –

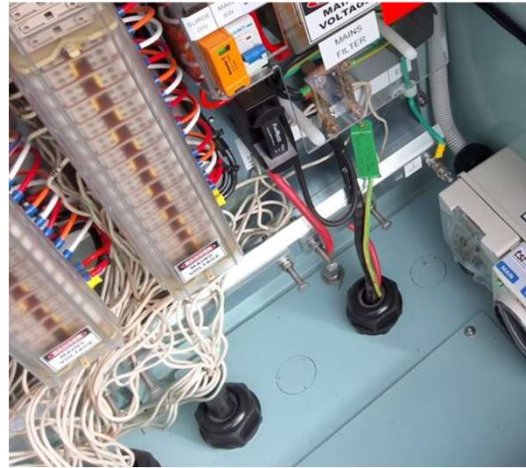
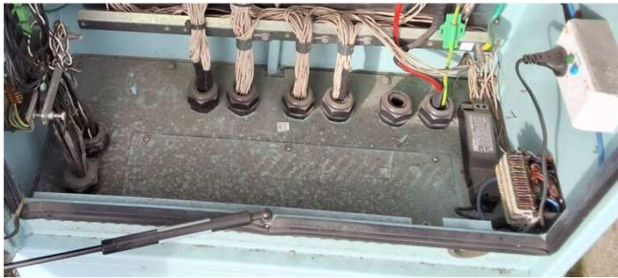
“Why do half a job when it is 80% of the way to a full job?”



He had a few other quotes too, but that was 1990, and they don't translate too well into 2022.

Tradesmanship in Installation

Does this look like half a job?



 Green Signal

Cable glands should be sealed. Oh, and during PM, it is important to clean out dirt and dust.

Tradesmanship in Installation



Unused cores should be earthed.

Tradesmanship in Installation



Controller bases should match the size of the cabinet they are supporting.

Tradesmanship in Installation



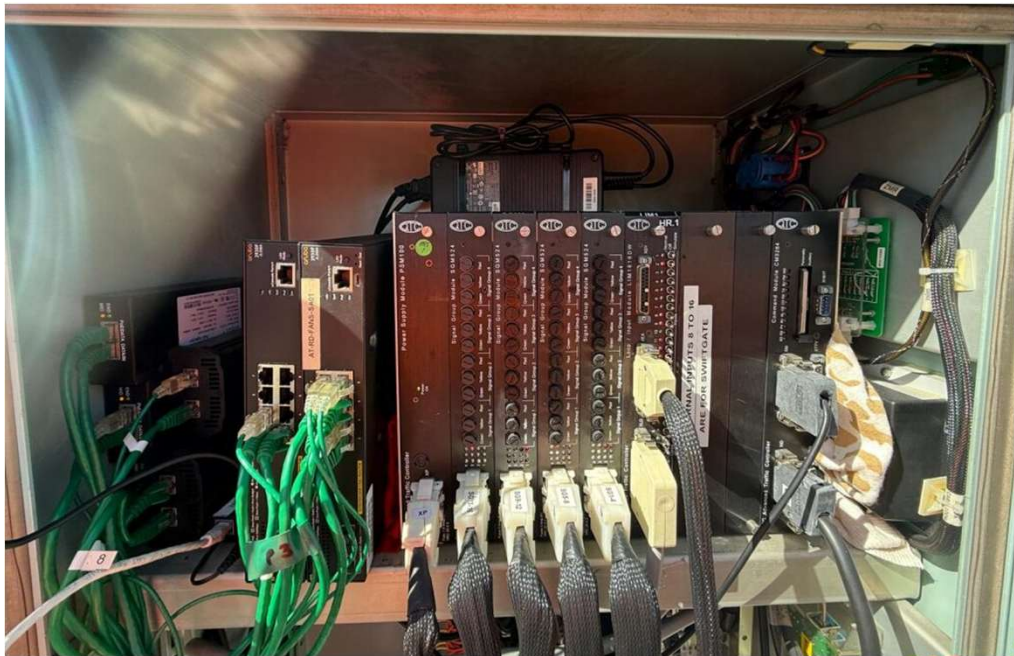
What do we think of external enclosures on the side of signal cabinets? Whatever we think, at least bush the holes between them! This lot includes a Chorus fibre!

Trades

Installation



Let's take a closer look...



en Signal

Where to start?

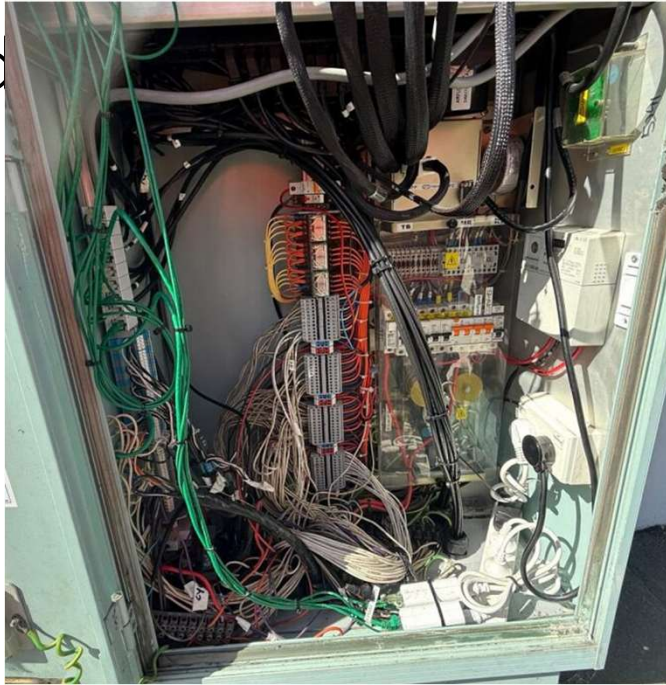
The switch power supplies (x2) on top of the logic rack.

All that hardware jammed in there on the shelf.

Oh, and what about the rag over there by the site ID board?

And remember that the SCATS comms router was removed for this photo.

Tracking



Note the cat5 cables coming up across the front of the circuit breakers & switch-board.

The Ubiquiti PoE injectors on the floor of the cabinet,

All the data patch cables and terminal blocks throughout the cabinet.

This is the signal cabinet for a major on-off ramp in Auckland CBD. The pressure on a signals tech to find and fix a fault here during an outage would be immense.

Really, the amount of non-signals gear jammed into this cabinet is setting the signal fault tech up for failure.

Tradesmanship in Installation

As an industry we need to push back on other services invading the valuable space inside our cabinets.

This isn't about protecting territory, this is about ensuring that a life-critical asset can be maintained, and can be repaired promptly and safely in the event of a failure or fault.

We need to be mandating the use of top-hat cabinets for sites with complex comms equipment (including cameras & radios), and not allowing excessive non-signals equipment in the cabinets at all. There is normally space on the footpath near our cabinets for other cabinets.



Tradesmanship in Installation

We can't tell you how to do a good job in P43,
you have to want to do a job you are proud of!

