

SPECIALISTS IN ELECTRONIC & ELECTROMECHANICAL ROOT CAUSE FAULT FINDING AND RESOLUTION

Problem - Traction inverters

Our customer had a problem with ageing Frequency Division Multiplexer (FDM) racks. Resulting in service delays. They were looking for assistance in scoping an overhaul programme to provide maximum benefit.

Challenges for SET

- Additional float stock was required to support the overhaul.
- Equipment contains various obsolete and custom components.
- Safety case was complex for fit, form and function replacement.
- 3 parties involved in the overhaul



Proposal

- Technical report produced, based on analysis of the design and historical repair data.
- Several costed options offered, along with rationale for each.

Result

- SET's proposal selected
- 20 fit, form and function units produced and approved for use.
- New design was independently audited and approved by SNC Lavalin.

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