

SPECIALISTS IN ELECTRONIC & ELECTROMECHANICAL ROOT CAUSE FAULT FINDING AND RESOLUTION

Problem - Automatic Voltage Regulators

- Existing supplier to our customer unable to meet delivery needs - Trains stopped.
- High re-failure rate with existing supplier.

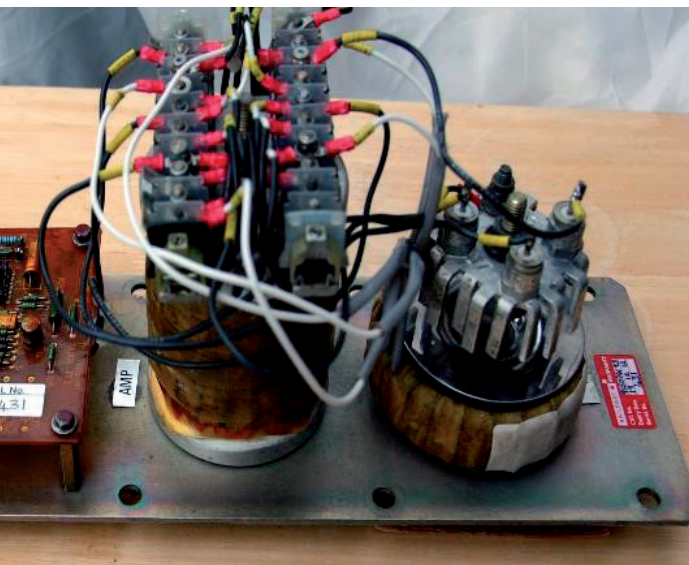
Challenges for SET

- Safety critical equipment with no test documentation.
- Ancient technology with little expertise remaining in Rail Sector.
- Rapid solution required.



Investigation

- Equipment reverse engineered to produce technical documentation and test procedure.
- Motor-alternator set built to provide required test environment and ensure that safety critical aspects could be fully verified.
- Weaknesses identified and overhaul programme devised.



Result

- Reliability 'very significantly improved'
- SET has become the customer's consultants on all issues regarding 158 charging.

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