

Redlands and Dorchester

Signal Power Transformer Renewals



THE PROJECT

AMI Projects were contracted by Network Rail to replace the two dilapidated 415/650V Transformers at Redlands and Dorchester to mitigate the risk of failure. The remit included civil and electrical designs, de-vegetation, decommissioning of existing transformers and like-for-like replacements, installation of bases and all associated electrical connections, including commissioning and handback.



Project Value

£500k

Project Started

**Jun
2021**

Project Ended

**Oct
2022**

Client

**Network
Rail**

THE DELIVERABLES

- Site Surveys.
- E&P Design.
- Civils Design.
- Cable and Route.
- Interdisciplinary Checks.
- Signal Isolations and Test Plans.
- Staging Plans to Allow Parallel Builds.
- Provision of New Transformers.
- Positioning of Transformers onto Newly Formed Bases.
- TS11.3 Access Arrangements.
- Recovery and Safe Disposal of Redundant Equipment.

CHALLENGES & SOLUTIONS

Providing a turn-key solution to allow for a parallel build resulted in as little disruption to the signalling network as possible with one of the sites being landlocked for access, meaning a detailed staged construction strategy needed to be in place to assure the project and maintenance team.

