



## CASE STUDY 11: SITE SURVEY

## POLYPIPE TERRAIN

Client:	Polypipe Terrain
Industry:	Petrochemical / Industrial
Plant Type:	Pipe Fabrication
Project:	Site Survey
Contract:	Lump Sum
Date:	2017

**“SPE was appointed to undertake a site survey and review of an existing large industrial pipe fabrication plant.”**

SPE was contracted by Polypipe to undertake a detailed site survey and review of the electrical infrastructure and system configuration of one of the key fabrication yards in Maidstone, UK as they had virtually no site record data.

SPE began by undertaking a visual survey of the main HV electrical system switchgear, transformers and cable interconnectors in order to confirm ratings, sizes and general condition. Once this was complete a detailed review was carried out on all the main LV distribution switchboards and the local field distribution boards.

Once the survey was complete SPE, then produced a detailed survey report, outlining the key findings, strategic weak points in the system, and potential solutions to some of the site issues. As well as the survey report SPE also produced a single line diagram and an electrical load list of all the key system loads, considering typical diversity factors of the system.

These three documents provided a clear overview of the electrical system, allowing the site owner to gain a clear understanding of their network and the potential challenges it could face.

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