

Client: The Pirbright Institute
 Sector: Life Sciences
 Project: CHP Project
 Project Value: £2.7M
 Date: Aug 2020 to Mar 2022



Our Client's Need

The Pirbright Institute had a business case to install a Combined Heat and Power (CHP) Plant to support their Energy Strategy and reduce site operating costs. They needed Grationeer Ltd to provide a Project Manager, Site Manager and CDM Client Representative to manage the delivery of the project.

Services provided



Benefits Delivered

- This project reduced the site's consumption of grid electricity.
- Grationeer Ltd's experience in such industries identified and mitigated risks. Their knowledge and previous experience of CHP helped to deliver the project.
- Grationeer Ltd's Sub-contractor network provided a vital resource for this project.
- All aspects of the project managed by Grationeer Ltd autonomously, allowing the client to focus on their day-to-day activities.

Works Completed

Grationeer Ltd started this project after the Concept and Feasibility was agreed and developed the procurement documents to enable the project to be tendered. The tendering activities were fully managed by Grationeer Ltd who ensure that the correct team were available for scoring. Once the successful tenderer had been engaged, we arranged the contract negotiations between the supplier and the site. This took longer than expected, but Grationeer Ltd ensured that the Project Board were kept informed about this through their monthly PM Reports.

Since the CHP would be integrated with the site HV mains, there was a potential for this project to impact Biocontainment buildings and therefore a Structured What-If Technique (SWIFT) study was arranged by Grationeer Ltd. This ensured that the design of the CHP was such that it did not impose additional risks to the site.

As CDM Client Representative, Grationeer Ltd formally appointed the PD & PC roles and worked with them to produce the PCIP and CPP for the CDM site. The PD carried out monthly audits which Grationeer Ltd attended and ensured that actions were tracked and completed by the PC. We also provided a Site Manager to carry out activities required to support the PC. This was an invaluable resource which ensure smooth delivery of tasks where the external contractors required input from the client's teams.

Due to the critical nature of connecting into the HV network, Grationeer Ltd took a leading role to ensure that all actions from the SWIFT were delivered. As strong relationships had been developed at the client's site over the course of the project, Grationeer Ltd were able to ensure that key personnel were made available to attend project meetings. Some works required additional risk assessment as they had an impact on bio-containment buildings. Grationeer Ltd produced all the necessary documentation to ensure approval prior to works starting to prevent delays.

Although the Environment Agency was informed of the project at the early stages, the MCPD application took much longer than expected. First, Grationeer Ltd informed the project board of the delay and assessed the impact. Then we engaged with an environmental consultant and was able to secure a temporary permit to operate the CHP. This prevented a significant loss of energy savings.

On completion of the works, Grationeer Ltd collated all handover documents from the PD & PC to ensure that the project was handed over.

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