

Client: Procol Ltd
Sector: Information Technology
Project: Data Centre Chilled Services Upgrade
Project Value: £291,382
Date: Feb 2023 to May 2023



Our Client's Need

Procol Ltd won a contract to upgrade 3 chillers at a Datacentre due to aging chiller packs, reduced cooling capacity in warmer months due to lack of adiabatic cooling and hot air recirculating back into the chiller inlet. The project involved replacement of chiller coils, addition of adiabatic cooling sprays and chiller hot air diffuser headers. To meet their client's timescales, they needed Grationeer Ltd to provide a Project Manager and CDM Site Manager to manage the delivery of the project.

Services provided



Benefits Delivered

- Grationeer Ltd used their experience of risk management and applied it to this commercially sensitive Datacentre.
- Zero accident rate on this project as the Site Manager was highly qualified and experienced to carry out the CDM duties.
- Grationeer Ltd built trust with their client which eased coordination of activities in a complex programme.
- All aspects of the project managed by Grationeer Ltd autonomously, which allowed Procol Ltd to assign internal resource to other projects.

Works Completed

Grationeer Ltd started the project after the design stage had been completed and agreed by the client. The first activity was to procure all suppliers and subcontractors to deliver the project works.

There were 3 main work packages which needed to be planned consecutively for each chiller. The first was to replace the chiller coils. Once this was in place, the adiabatic spray system was installed and finally the hot air diffusers. The adiabatic spray system required softened water, which was not available or specified at the time. Grationeer Ltd worked with a supplier to design, build and install a new softened water system and connect to the adiabatic spray system.

As the chillers provided cooling for a critical data centre, 2 chillers had to remain available at all times to maintain the cooling requirements and resilience. Grationeer Ltd develop a programme which would allow these constraints to be met and coordinated activities amongst all contractors and suppliers. The project was delivered within the deadline and without impacting cooling of the Datacentre.

Grationeer Ltd provided a CDM Site Manager with SSSTS qualifications to put in place a fully compliant CDM site. This ensured site safety and welfare provisions for the contractors working on the site. The CDM Site Manager took responsibility for all aspects of the CDM site including issuing work permits for each activity. Grationeer Ltd utilised Procol's safe systems of works to manage the site.

Grationeer Ltd carried out regular meetings with Procol's client to ensure they were kept informed of project progress. We took on the project management role and covered all aspects, including budget, risk, programme and client management. The Project Manager built a good relationship with the client and enabled a trust based working environment on the client's site. This was essential to coordinate the activities in the phased programme. To ensure that the client was updated on progress, Grationeer Ltd produced a weekly report, which was used in conjunction with valuation submissions to ensure healthy project cashflow.

On completion of the installation works, Grationeer Ltd arranged familiarisation training for the engineering team. The systems were commissioned and witness by the engineering managers and following sign off, Grationeer Ltd compiled the full O&M for the Project.

The project was successfully delivered in May 2023.