project portfolio

JCA

Client: GlaxoSmithKline

Location: Stevenage, Herts

Sector: Pharmaceutical

Project value: £1,000,000

Project: Chiller & Pump Upgrade Scheme

Brief

Our client requested the replacement of two air cooled, packaged, reciprocating chillers, operating with R22; together with the associated primary and secondary chilled water pumping equipment that serves a critical chemistry Laboratory. They specified that the new chiller plant should use 'turbo cor' technology and the brief required that there be no loss of chilled water at anytime.

Action

To ensure no loss of chilled water, we sequenced the works with a five phase approach. Phase 1, consisted of enabling works to the chilled water distribution system and LV switchgear, the sequence then concentrated on replacing the primary and secondary chilled water pumps across the next two phases. Once all the enabling works and pump replacement works were complete, the two new 'turbo cor' technology chillers were installed in phases 4 & 5. Between all phases there were proving periods, scheduled to ensure all new equipment was operating correctly and to the design parameters and specification required. We also implemented off site pre-fabrication engineering for the chilled water pipe work, thus limiting onsite welding and fabrication time and hence limiting 'risk' to our client on their site.

Outcome

The project was delivered on time, within budget and to the high standards of quality always delivered by JCA. The success of this project has meant that we have been asked to work on subsequent projects and continue to have an excellent relationship with GlaxoSmithKline.

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