

CASE STUDY



NAME: Heartlands Hospital, Birmingham

APPLICATION: Maintenance package for Cooling equipment

Proposal

Absoterm Services were awarded the maintenance and service contract of the hospitals chilled water system serving various operating theatres throughout the building. Dependency on chillers is paramount so a full in depth service program was developed for the client. The plant rooms consist of a conventional 250kW electrical chiller with two mechanical screw compressors, Carrier Absorption Chiller and two Adiabatic Coolers. The chillers use R134A refrigerant gas in order to provide cooling by way of removing heat from the water and rejecting to atmosphere via air cooled condenser. Our F-Gas registered engineers carry out maintenance inspections 3 times per annum, mechanically testing for any wear & tear, checking parameters of exterior supplies i.e. chilled water inputs and monitoring & logging of chiller operation. This includes examination of the condition and operation of the condenser which provides the heat rejection for the chiller. Also carried out at time of visit is the visual inspection of external influences i.e. Building management system (BMS) Pumps, valves etc. A full report including an F Gas certificate & details of any defects or recommendations in improving the equipment's efficiency is presented to the client.



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