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## STANLEY LIBRARY



This public building was refurbished under PSDS with new low surface temperature radiators throughout. There was minimal modifications required to the pipework.

The Acer CO2 heat pumps supply a buffer with the Clade standard of 5 temperature measurement points which enable variable capacity control. From the buffer heat is piped in to the building for heating only. The new radiators are fitted with pressure independent radiator valves which result in a wide temperature differential of over 30C.

This wide DT meant the pipework could be retained and reduces the pump energy consumed in delivering heat as well as ensuring the CO2 heat pump works at its most efficient at all times.