



CENTRAL COOLING SYSTEM INSTALLED AT UK BEVERAGE MANUFACTURER



J & E HALL HAS INSTALLED NEW HIGHLY EFFICIENT REFRIGERATION CHILLERS AT BEVERAGE PLANT



J & E Hall has installed a new central cooling system for a major UK beverage manufacturer and bottling plant. Inefficient standalone cooling equipment, using phased out refrigerants, has been removed to make way for one consolidated highly efficient central plant utilising low GWP refrigerant.

“Two high efficiency, low GWP 1MW Daikin chillers have been installed”

Martin Parker, Design & Proposals Engineer J & E Hall

THE INSTALLATION

- 2 x 1MW packaged chillers
- 3 x duty/duty/standby chiller pumps
- 6 x process pumps with standby functionality, each pump makes use of a variable speed drive for enhanced efficiency and load matching
- 1 x Siemens based sequence control system

2MW of chilled glycol is circulated throughout the factory to accommodate the process cooling. A primary/secondary hydronic arrangement utilises a 10,000 litre buffer vessel. This allows for stable and efficient control of high return temperatures when “cleaning in position” processes take place.

Overall the project was completed on time and within budget. It was handed over satisfactorily whilst maintaining the clients needs.

