



## Client Serco Ltd

### Nature of client business

Norfolk and Norwich University Hospital NHS Trust  
Facilities Management

**Project Location:** Norwich

### Scope of job

Adcock Refrigeration & Air Conditioning Ltd, Norwich, in conjunction with Serco Ltd, has undertaken a program of works to supply, install and commission three new Bitzer Ecostar energy efficient refrigeration systems and 17 new Searle evaporators within Serco Ltd's catering department.

As part of Serco Ltd's ongoing contract with NNUH, the new systems are to replace the Hospital's existing equipment responsible for cooling the catering department's preparation and storage facilities, as it approaches the end of its viable working life.

A new purpose built modular freezer room will also be constructed and refrigerated by a fourth Bitzer unit connected to a Searle evaporator. New control systems for the 17 evaporators along with network integration were also supplied and installed.

### What the project entailed

As one of the UK's largest hospitals in terms of in-patient capacities with over 1000 beds, NNUH placed a large emphasis on both flexibility and the nature of the work. This required particular planning so that patient services were not affected by the works across an exceptionally busy catering department. A phased programmed of installation and de-commissioning was therefore meticulously planned and implemented to avoid any disruption.

**Job Value:** Circa £100,000

### What Adcock brought to the job

From the initial pre-tender presentation which focused on concept of design, combining energy efficiency with redundancy in the event of plant failure, through to planning and implementation, Adcock brought professionalism, a "can do" attitude and years of successful experience working in similar situations. Adcock also offered a high level of design knowledge, embracing new energy efficient technologies as well as the ability to co-ordinate skilled engineers to carry out the work. Adcock has also worked in conjunction with Serco Ltd since the NNUH first began operating in 2001 and has therefore developed an ongoing relationship having provided a wide range of both air conditioning and refrigeration systems over the years.

### Equipment Installed

Adcock installed 4 New Bitzer Ecostar condensing units along with 17 New Searle evaporators and associated controls networked to the existing BMS system. A new bespoke modular freezer room system was also installed, to expand the department's existing frozen storage space.

### Testimonial

*Serco's tender remit was for the successful contractor to provide a design and build that increased both resilience and freezer capacity within the existing catering food storage and preparation areas whilst maintaining catering service delivery. The Adcock's team demonstrated by far the best design solution and this was matched by the onsite team that worked to high standards, provided great flexibility and team work to ensure timely delivery and minimal disruption.*

Serco FM Manager