

## Queen Elizabeth Hospital – Kings Lynn

### Introduction

CDC were commissioned to design and build a new combined Pharmacy Aseptic Biologicals and Radio-pharmacy suite as part of a large project which will see the hospital increase the number of tests it offers so that more people may be treated at home.

The facility has been designed and built to provide Aseptic manufacture of:

- Cytotoxic and similar sensitising injectable products
- TPN and similar non-sensitising injectable products
- Antibiotic (CIVAS) injectable products
- Biological injectable products
- Blood labelling products
- Radio-pharmacy products for diagnostics

The suite has been designed and built to the standard necessary to obtain a license from the MHRA.



### Data

<b>Industry Sector:</b>	NHS	<b>Value:</b>	£1,100,000
<b>Project Classification:</b>	Biological & Radio-pharmacy Suite Grade C & D	<b>Time on Site:</b>	24 weeks
		<b>Physical Size:</b>	268m

### Scope of Work

CDC Cleanroom Specialists were employed by ISG Jackson Ltd as a specialist contractor and designer for a complete design and build turnkey Cleanroom facility incorporating:

- Strip out of existing services and building structure
- Supply and extract ventilation systems
- PVC extract ductwork systems from isolators
- General small power wiring sockets, etc.
- New distribution boards
- Fire detection and alarm
- New LV power supply
- Panic alarm and CCTV
- BMS Controls and wiring
- Data/telecoms system
- Intercom and Wi-fi system
- Domestic hot and cold-water pipework services
- Roof mounted air handling unit and chiller plant
- Roof mounted extract systems
- Plasterboard walls and ceilings
- Vinyl finishes to walls, floors and ceilings
- Laboratory furniture
- Emergency drench shower
- Magnetic pressure gauge panel
- Sanitaryware and eye wash
- Stainless steel vision panels and transfer pass through hatches
- Stainless steel rip out panels
- Step over benches, lockers, etc.
- Thermal insulation and water treatment
- FMS room pressure and particle monitoring systems
- 6 no. Amercare isolators and lighting protection
- Door access control and new GRP doors
- LPHW HTG pipework services and chilled pipework services
- Cleandown, commissioning and validation
- Full production and execution of validation documents incl: URS, VMP, DQ, IQ and OQ