



## About **Healthcare** Projects

Our Healthcare Projects Division delivers a wide range of bespoke projects from a skilled engineering and construction base of in-house project and site staff:

From the design and build of dedicated sterilisation units for the healthcare market through to plant room replacement projects of all key process engineering and main plant items our Projects team has extensive knowledge of best practice and industry standards.

With a proven track record of working with both public sector and private clients, our Healthcare Projects team has the knowledge and experience of delivering high quality engineering driven construction projects from design to completion whilst ensuring that any building work is kept to minimal disruption to ensure that our clients business and services are unaffected.

We work closely with our clients to understand their individual requirements and ensure complete satisfaction with our services, on many occasions looking at ways to reduce capital costs and value engineer schemes to suit budgets.

We approach every Project individually to suit our client's requirements and we also provide expert guidance, advice and support for a fully integrated service. We work on individual projects through to NHS frameworks providing a full turnkey service on many occasions. We provide full transparency an costs in detailed cost schedules.

## Services

cfes has proven experience in the Healthcare sector having successfully delivered over £20million of projects to the market over the last three years.

These projects include complex M&E Building Services and M&E Process Installations where cfes Healthcare Team have overseen all of the design, engineering and project management.

Some of our recent projects include:

- > Decontamination and sterilisation (Sterile Services Departments)
- > Endoscopy Departments
- > Single and twin operating theatres
- > MRI, CT and X-ray pre-installations
- > Clean rooms and associated environments
- > Medical and dental surgeries
- > Complex M&E building services and M&E process/installation
- > Project management
- > Design and consultancy



We also offer **finance solutions** for **healthcare projects**. Call **0207 959 2242** for more detail.

## Decontamination & Sterilisation

cfes Healthcare have operated as “Principal Contractor” in this field since 2004 delivering both regional Sterile Services Centres and on-site Sterile Services Departments.

cfes can offer you a full turnkey packages including:

- > Feasibility discussions & surveys
- > Full project brief and scope of works analysis
- > Source suitable facilities
- > Building and services surveys
- > Full design of internal layout and both M&E buildings and process services
- > Cost management
- > Assessment of construction materials & plant (i.e. Sustainable sources/energy efficiency and recovery)
- > Principal contractor role
- > Project management
- > M&E services installation
- > Architectural design
- > Internal fit out and construction
- > Pre-installation and integration with specialist suppliers
- > Management of specialist equipment providers
- > Service and maintenance of the building and installed systems
- > Finance solutions

## Endoscopy

With proven experience in the turn-key construction of Sterile Service Centres, cfes are also able to assist in the design and build of specialist HTM 2030 (due to be superseded by HTM 0106) & HBN 52 compliant Endoscopy Departments in hospitals.

Surgical Site Infections (SSIs) are a major problem in the UK, cause substantial mortality and add an estimated £758 million to budgets each year. Compliance with best practice guidelines is essential if hospitals are to reduce risks, ensure patient safety and avoid legal liability for any detrimental outcomes... so it is vital to get it facilities right in all aspects from patient procedures to a high quality decontamination protocol. Whether it is integrating into an existing or new Sterile Services Department, or the construction of a standalone department, cfes are able to offer expertise and knowledge in providing the right solution for you.

cfes can also work alongside you to compile, install, audit and analyse endoscopic operations systems, working towards ISO 13485 & 9001 Standards.

Reference  
1 Based on 8.6 million procedures performed annually (www.hesonline.nhs.uk 2007), an infection rate of 4.2 per cent (www.icna.co.uk 2006) and treatment costs of approximately £2,100 per infection (Plowman, 2001).



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# Yeovil District Hospital

## Geographical location of site

Yeovil, Somerset

## Our role

To design and build a modular Sterile Services Department (SSD) onto the roof of the existing A&E department following by Endoscopy Decontamination Suite.

## Engineering solution

Planning, building regulations and assisting on accreditation to meet the new requirements of MDD 93/42/EEC were all part of the cfes Ltd packaged offering.

Design & Build of new steel structure on top of existing A&E department so weight was distributed evenly over load paths and allowed space for building services.

The new SSD unit building and process services has been designed utilising the latest technology with an emphasis on ease of use and ensuring the process flow, correct segregation and integrity between contaminated, decontaminated and sterilised areas are maintained. The project was awarded BREEAM Excellent status, and the first unit of its kind to be awarded such a prestigious status.

Heat recovery technology has been widely implemented with the new development for both the ventilation & main heating systems. High temperature condensate generated via the sterilisation process is recovered & re-used for the building heating & hot water demand.



New SSD at Yeovill Hospital - Somerset



Do you have a healthcare project or require assistance in funding one?

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# Guy's & St Thomas' NHS Foundation Trust

## Geographical location of site

- Two sites under one Design and Build Contract
- > Guys Hospital London Bridge SE1
- > St Thomas's Hospital Waterloo SE1

## Our role

To design and build two sterile services units. Construction and engineering solution working within a live hospital environment. The project requires the completion of two sites within 20 months and assistance in enabling the Trust to become ISO 13485 accredited.

## Engineering solution

Design solutions for both sites in accordance with HBN13 sterile services departments. Works involve the cutting of new drainage for specialist washers, autoclaves and endoscopy equipment.

Full engineering solution in process and admin areas, linking where necessary to Trust existing plant in various plant room locations.

Construction finishes in accordance with best practice for clean room (inspection and packing / washroom) design.

Provision of building management system and integrated IT "track and traceability" systems.

Design of unit to include staff facilities, management offices and reception works completed on programme and to agreed budgets with Trust Capital Projects Team and end users.



New SSD at Guy's & St Thomas' Hospital - London



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