



**HBG and Basildon & Thurrock University Hospitals  
NHS Foundation Trust: a successful partnership**





## HBG and ProCure 21 at Basildon Hospital: Benefits and Features

- New cardiothoracic centre enabling Basildon to provide specialist cardiothoracic care and treatment to Essex patients.
- Four catheter labs for complex tests and treatment.
- Four operating theatres
- Two new wards for cardiology and coronary care patients.
- Teaching space.
- Outpatient facilities
- A Critical Care Unit, including a 22-bed Intensive Therapy Unit and High Dependency Unit.
- A 32-bed cardiothoracic surgical ward.
- A new outpatient clinic, including a cardiac investigations, rehab and outpatient facility.
- A new 242 space car park expanding the existing hospital parking provision.
- Room for growth through ProCure 21. The centre has been designed with flexibility and future expansion in mind.
- The Trust and HBG are working in partnership to make sure the project is delivered on time and within budget.



HBG and Basildon & Thurrock University Hospitals NHS Trust working together with ProCure 21



Aerial perspective of the new cardiothoracic centre

***“The Trust values highly the commitment, involvement and professional approach that HBG have brought to the project. The whole team is working together to deliver a centre of choice that the people of Essex can be proud of.”***

*Jenny Galpin, Director of Projects and Facilities, Basildon and Thurrock University Hospitals NHS Foundation Trust*

**Ensuring that hospitals can cope with the demand for services is a major challenge especially in the field of specialist care such as cardiothoracic treatment. When Basildon Hospital in Essex needed to build a new cardiothoracic centre it chose HBG through the ProCure21 process to provide a solution.**

More often than not, the growing need for certain kinds of treatment often makes it increasingly difficult for hospitals to keep up with national targets for treating patients locally. What's more, tight budgetary restrictions, limited space and challenging time frames make expanding healthcare sites a complex affair.

In Essex, treating heart patients locally has been a problem for some time. Due to the lack of cardiothoracic facilities, all patients requiring specialist treatment are sent to London to be treated, a time-consuming and costly process for all involved.

To address this problem, Basildon and Thurrock University Hospitals NHS Foundation Trust decided to pursue funding to build a new cardiothoracic centre at Basildon Hospital that would provide facilities for the majority of Essex patients requiring tertiary cardiothoracic treatment. The Trust worked

together with HBG to develop a detailed Full Business Case to support their successful bid for funding from the Strategic Health Authority and the National Heart Team.

The project it envisioned was an expansion of the existing hospital building which would encompass not only state of the art operating and laboratory space but also teaching areas and facilities for treating outpatients. To be able to deal with the high number of patients and the complexity of care to be provided, the extension needed to include four catheter laboratories, four operating theatres intensive care and coronary care units along with wards, day stay, teaching and outpatient facilities in a substantial building of around 600 rooms. Additional car parking to support the centre was also included.

Because of the rapid rate at which clinical practice is developing in this specialty, the Trust also needed to ensure that the new facilities would be flexible, allowing them to change the way the building was used in the future.



## Getting the most out of HBG with ProCure 21

**ProCure 21 is the national NHS building procurement strategy, launched in 2003. The strategy aims to raise design quality and build efficiency across all NHS estates, by providing them with the choice of 11 Principal Supply Chain Partners (PSCPs), who will provide a full end-to-end service. HBG is proud to be among them.**

HBG believes that ProCure 21 is the best way to help our NHS customers benefit from a flexible, collaborative service. And our extensive supply chain – which features premier healthcare design and construction specialists from across the UK – means we can deliver a fully managed, end-to-end service for every job we undertake.

## HBG: an ideal partner

The Trust decided to select a construction partner from the NHS ProCure21 scheme, which promotes partnership between healthcare trusts and approved construction companies. The Trust found that HBG had both the best team and the relevant experience it needed. It was also clear that both organisations shared the same approach to partnership and had similar methods of dealing with large-scale projects.

Rod Stiles from HBG feels that communication was the key to the partnership's success: "Both HBG and the Trust realised that it was important to have an open partnership," he says. "That meant discussing things in detail from the outset, trusting each other and being prepared to compromise. We spent a lot of time on the planning stage of this project and that helped immensely, particularly because we were working to a capped budget."

a range of topics, to keep everyone informed and to help promote a clear understanding of the project in its various stages. In addition to regular design team meetings and risk workshops, It also set aside one day per month for detailed programming meetings with the Trust so that any further issues that did arise could be dealt with as quickly and cost-effectively as possible. This was not only instrumental in helping manage the project, it also helped minimise costs and enabled a smooth transition into the construction phase. This approach also enabled the achievement of the GMP and approval of a Full Business Case in less than ten months from verification of the Outline Business Case – with construction works commencing on site a mere two months later.



Architectural perspective of new Cardiothoracic Centre (north elevation)



New building under construction

## Planning makes perfect

The first part of the project was to develop a viable business case. HBG felt that in order to work effectively to a tight budget, it was important to iron out any potential problems prior to embarking on the construction phase.

This was important because given the project's budgetary limitations, every cost item in the business plan had to be justified. This meant making sure that everything detailed in the plan was in fact essential to the successful outcome of the project. One benefit of taking this approach was that it is much cheaper to make changes at the planning and design stage of a project than during the actual construction phase. In order to make as many changes as possible before construction began, HBG and the Trust devoted an extra three months to planning, a tactic which helped them save time later on. Rod Stiles explains: "On a project like this the Trust will usually have to allow extra time during the construction stage for changes. By making all the significant amendments at the planning stage we were able to save both time and money."

In order to get everything right at the planning stage, good communication was essential. HBG organised a series of workshops covering



The P21 team at work



New building under construction



The P21 team at work

## The heart of the matter

Basildon Hospital's £60m Essex Cardiothoracic Centre is set for completion in 2007. This means that Essex patients suffering heart disease will no longer have to travel to London to undergo major cardiac and thoracic surgery. The centre will be the hub of a new network of cardiac services across the county which will include services provided by local hospitals and specialist GPs. What's more, the new centre has been built in such a way that the hospital can expand further in the future.

As for the partnership between the Trust and HBG, the experience so far has been a positive one so more projects are likely. ProCure21 enables hospitals and trusts to get the most from their money by promoting real partnership between trusts and contractors.

In fact, in Rod Stiles' opinion, working to a capped budget on a project of this size is something that can only be achieved through ProCure21: "Because the scheme allowed us to get involved at the planning and design stage, we were able to help the Trust develop a realistic idea of what it could achieve within its budget, avoiding expensive mistakes and delays."

***"ProCure21 really complements the way HBG works because the scheme promotes good, regular communication between contractor and client. What's more, it enables us to get involved at the earliest planning stage of a project which makes the job smoother, simpler and less costly."***

*Rod Stiles, HBG*

The result is a successful project based on a method of working that the Trust is greatly impressed with. As Jenny Galpin, Director of Projects and Facilities for Basildon and Thurrock University Hospitals NHS Foundation Trust, explains: "The Trust values highly the commitment, involvement and professional approach that HBG have brought to the project. The whole team is working together to deliver a centre of choice that the people of Essex can be proud of."

## ***The new Cardiothoracic Centre will provide specialist tertiary care for the whole of Essex***

## The Team

### Client Trust

Basildon and Thurrock University Hospitals NHS Foundation Trust

### Trust Project Director

Jenny Galpin

### Trust Cost Advisor

Nigel Rose & Partners

### Principal Supply Chain Partner

HBG Construction Limited

## Principal Supply Chain Members

### Architects

Nightingale Associates

### Structural Engineer

Arup Associates

### M&E Services Designers

Arup Associates

### M&E Services Installer

NG Bailey

### Healthcare Planners

RKW

### Cost Consultant

Turner & Townsend

### Planning Authority

Basildon District Council – Planning Services

### Planning Supervisor

Turner & Townsend

### Building Control Inspectorate

Basildon District Council



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