

**B  
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**Exceeding  
Expectations**



## Introduction

Established in 2002, BES have gained an enviable reputation within the research, development and manufacturing sectors.

We excel in the design and construction of cleanrooms, laboratories and other sophisticated environments - where we provide a full range of services from front-end design and consultancy through to construction, commissioning and validation.

The strength of BES lies in combining *design and innovation* with *construction excellence* to provide fully *integrated solutions*. Our reputation has been built on the successful delivery of complex projects - often within challenging time constraints, and always with enormous enthusiasm and a desire to *exceed expectations*.

Regular repeat business from demanding blue chip clients is testament to the service we provide.



**Design and Innovation**



**Integrated Solutions**



**Construction Excellence**



**Compliance & Culture**

# Design and Innovation

We pride ourselves on the strength of our design teams who utilise their technical skills, knowledge and experience to develop bespoke solutions.

From front end studies to complex multi-disciplined designs we utilise best practice to provide an excellent service to all of our clients, tailored to meet the needs of each individual project.

We have created an open culture which encourages lateral thinking and our desire to challenge the norms and deliver innovative solutions sets us apart from our competitors.

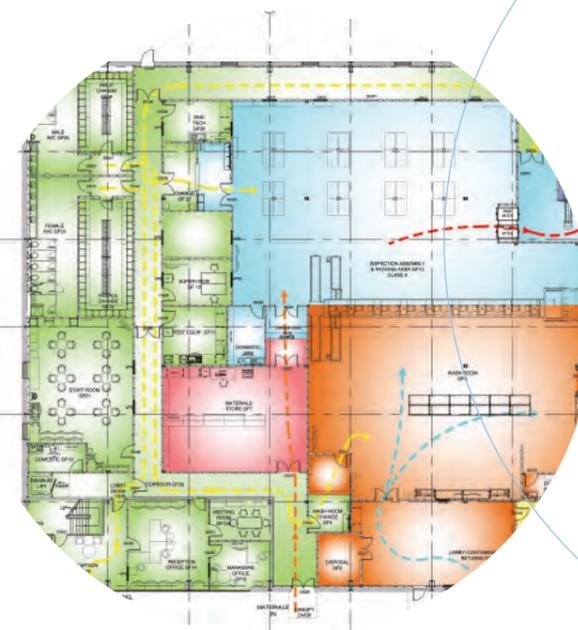
ISO9001 accreditation provides you with the assurance that all design work is carefully controlled and executed to the highest possible standards.

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## Front End Design

Our highly experienced design teams work closely with clients and end users to develop Feasibility Studies, Workflow Layouts and Concept Designs and also to produce User Requirement and Functional Design Specifications.

We use our construction experience to full affect in providing accurate costs and realistic programmes at the earliest possible stage.



Our multi discipline design teams use the latest 3D modelling techniques to produce a fully co-ordinated solution

## Detailed Design

The detailed design phase is key to the successful execution of the construction works. A fully co-ordinated and accurate design lays the foundations for the project and enables the construction teams to deliver a quality facility on time and within budget.

Architectural, HVAC, Process, Mechanical and Electrical engineers form the core of our design team, all housed under one roof to provide a fully co-ordinated solution.

Communication is key, and it is this integrated approach which provides our clients with the assurance of excellent design service.



## Regulatory Compliance

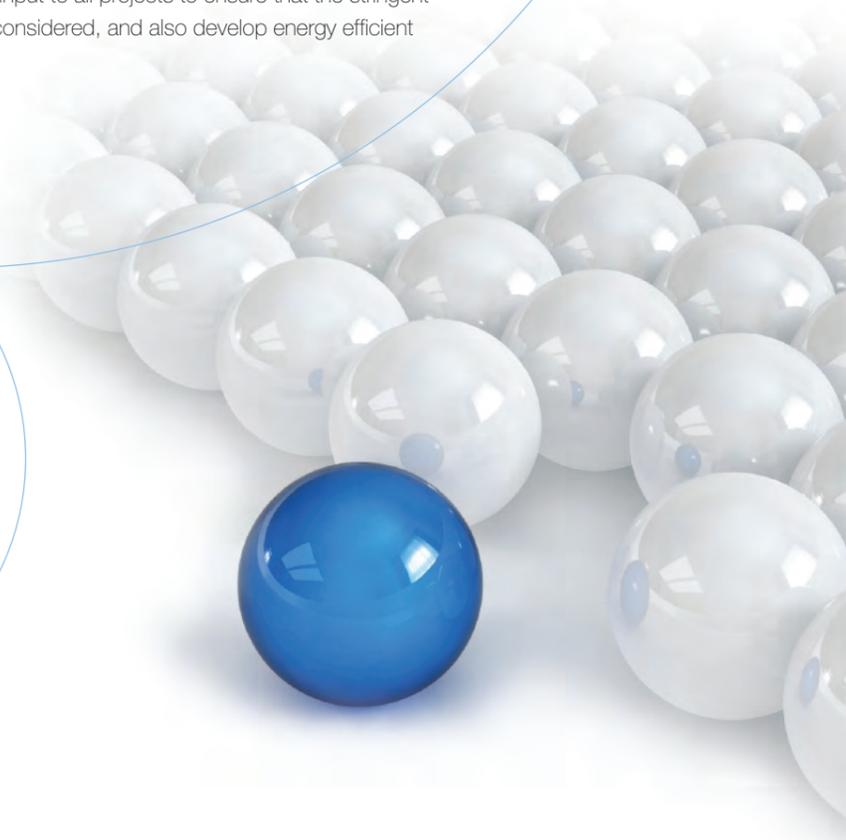
Our entire design team are fully conversant with all relevant legislative requirements including Planning, Building Regulations and CDM.

Compliance with Good Manufacturing Practice is fundamental to the design of many of the sophisticated facilities undertaken by BES and our designers are highly experienced in these exacting requirements.

Fully conversant with EUGMP (Orange Guide), ISO classifications, ACDP Categories 1 and 4 and all HTM's, our designers ensure that even the most challenging facilities are fully compliant.

Our CIBSE accredited Energy Assessors provide input to all projects to ensure that the stringent requirements of approved document L2 are fully considered, and also develop energy efficient solutions for our clients.

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### In House Resources

We have strong in house resources in all major disciplines including Architectural, HVAC, Mechanical and Electrical services.

All of our clients benefit from the enthusiasm of dedicated project teams who have delivered numerous projects together and work closely to provide a fully integrated solution.

### Single Point Accountability

Although the strength of BES is built around multi-disciplined delivery it is vitally important that the team is lead by a single person, ensuring a clear and concise flow of information at all times. Each project is led by an experienced Project Manager, who is instrumental at all stages from initial scope through to beneficial operation.



Multi-disciplined delivery with in-house resources and single point accountability guarantees a fully co-ordinated solution.



## Integrated Solutions

Close co-ordination of work packages and attention to detail at critical interfaces are crucial to the successful delivery of sophisticated cleanroom and laboratory facilities.

Our in-house teams deliver a fully integrated service, which provides our clients with all the benefits of a one-stop shop. Our Project Managers, Engineers, Designers and Architectural team work closely together to provide a co-ordinated and seamless solution.

As a multi service provider we also ensure that the close co-ordination carried out during the design and pre-construction phase is fully communicated to our site teams, ensuring smooth progression of the construction.



### Co-ordination

To safely and effectively construct each facility to the necessary standards, we ensure that the drawings and details we work to have been fully considered and carefully co-ordinated - often via 3D modelling software. Our experience means that we understand the criticality of each interface, and we provide the attention to detail that only a close knit multi-disciplined team can achieve.

# Construction Excellence

At BES, we pride ourselves on the successful delivery of multi-disciplined projects. We are widely recognised for our ability to deliver even the most complex of projects on time and within budget.

Working in both the public and private sectors, we use our construction expertise to deliver a wide spectrum of projects, from Greenfield / Brownfield sites through to cut and carve refurbishments.

Leadership is provided by dedicated Project Managers who are supported by our highly experienced Construction Managers.

Our uncompromising commitment to health and safety has resulted in an excellent track record which means that choosing BES really is the safer choice.



## Experienced

Our design expertise is matched only by our construction experience enabling us to provide a first class service from concept to completion.

We excel in the design and build of cleanrooms and laboratories and have great construction expertise across a full range of disciplines including, architectural, civil, structural, HVAC, mechanical and electrical.

As a specialist in the field we bring enormous experience and leading edge construction techniques to ensure the success of each individual project.

A dedicated Project Manager is assigned from the outset, providing leadership and direction to the project through a structured project process. Highly experienced Construction Managers take responsibility for our site operations, setting standards on site and driving hard to meet all milestones and achieve the programme.



Meticulous planning of construction works and close control of site trades are instrumental in delivering the high quality facilities our clients demand.

## Cost effective

We work on a wide variety of commercial models - including fixed price, target cost, reimbursable and measured rates - and in all cases provide excellent value for money, through design innovation and cutting edge construction techniques, together with the extensive use of pre-fabrication which improves quality whilst reducing risk and costs.

Preliminaries are tightly controlled with in house resources flexed in and out to suit the needs of the project. Construction work is carried out efficiently and we explore all value engineering opportunities which don't compromise safety or quality.



## Safe

Our comprehensive Safety Management System is designed to reduce the potential for accidents, ensure legislative compliance and improve overall performance.

Potential hazards are identified and wherever possible eliminated during the design phase and our safe systems of work - including detailed risk assessments and method statements - ensure that all site operations are carefully controlled. As a Principal Contractor we carefully plan, manage and monitor all construction works to ensure they are carried out safely and without risk to health.

All BES teams are trained to the highest possible standard with IoSH Managing Safely providing the foundation - which is built upon by a comprehensive modular training programme and a positive health and safety culture.





## Compliance

Regulatory Compliance is a phrase synonymous with the industries we operate in. At BES not only do we fully understand how to design compliant facilities, but also how to carry out work within them.

We have designed, constructed and validated facilities to meet all relevant standards including cGMP, FDA, MHRA, ACDP, etc. We know that a smooth transition from construction into validation is fundamental to successful compliance and central to that is a sound commissioning process.

Our honesty, integrity and willingness to please has served us well and regular repeat business is testament to the service we provide.



## Culture

The culture of our business is to exceed your expectations and we leave no stone unturned in our drive to deliver on time, within budget and to your complete satisfaction.

This ethos has been developed in serving the demands of our clients, often in long term relationships and partnerships, where mutual goals are shared from the outset.

Responsiveness and a commitment to customer care run through the heart of the company and our clients find our proactive approach and 'can do' mentality refreshing.



### Commissioning

We provide a full commissioning service, from pre-commission checks, through to final setting to work and rigorous performance testing of the completed systems.

Our commissioning works are carefully planned to ensure that the Client and project team are kept aware of the key times for witnessing and the issue of documentation. A fully integrated programme ensures a logical sequence of works is adopted when commissioning interdependent dynamic HVAC, electrical and control systems.



### Validation

We adopt a practical 'hands-on' approach to validation and our validation engineers work seamlessly within the project team.

We can carry out a range of services to suit your project needs from input into the VMP, to complete ownership of the DQ, IQ and OQ protocols, through to full execution on site, establishing pressure cascades and carrying out DOP tests, particle counts, clean up rates, smoke visualisation and microbiological testing.





# Contact us

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