

B3 Building Services

B3 Building Services is a new service that provides clients with the option of either:-

- An experienced Mechanical and Electrical consultancy service providing the full range of traditional mechanical and electrical consultancy and design.

- Or a fully integrated architectural and environmental design service encompassing all aspects of the design and operation of a building to meet required sustainable standards and targets.

We believe that providing a fully integrated design service will differentiate us in our ability to deliver design solutions that are cost effective, best value, easily and practically maintained and sustainable. The benefits of this approach is that we consider all aspects of the building holistically and not from the perspective of separate professional disciplines and building functions.

This is achieved by recognising the inherent complexity of design by understand the technological content and with the client decide on the appropriate level of technological innovation. We put in place the best possible team appropriate to the type, scale and nature of the project.

We can therefore integrate information supply with construction need by:

- Supply information to meet the construction schedule.
- Supply information to meet the early procurement schedule.
- Supply information to meet the needs of specialist suppliers and fabricators.
- Supply information to meet the user's specification.
- Package information to meet the client decision points.
- Sign-off packages of information at each client decision point before proceeding.

We can actively manage the integration of the contributions from all members of the design team by producing a strategic plan for all contributors to maintain the flow of information and prepare critical path programmes for the design process.

We are in the best position to define and manage the all the interfaces by breaking down the work into zones and systems within zones. Each zone must provide a coherent and complete piece of the project. We will identify for all specialist

subcontracts the information needs and supply demands to achieve their design contribution.

The division is led by two Directors: **Martin Tunnicliffe** C.Eng. MCIBSE, B.Eng and **Peter Daniels** B.Eng (Hons):

Martin is a Chartered Engineer and a Member of CIBSE. He has 30 years' experience in the design and development of Building Services systems, from the development of a Clients Brief to completion. He has extensive experience in the coordination of the services design and the preparation of tender documents. Particular and extensive experience of a wide variety of building services designs including hotels, sports centres, swimming pools, theatres, multi-screen cinemas, offices and laboratories.

Peter has 22 years' experience in the design and development of mechanical services systems, from concept to completion, including the preparation of drawings and specifications and on site management. Particular and extensive experience of a wide variety of building services designs including hotels, sports centres, swimming pools, theatres, cinemas, offices and laboratories. Both directors have extensive BREEAM experience.

Martin and Peter are supported by two senior managers **Steve Clowes** and **Matt Ganley**:

Steve has 25 years in the electrical contracting industry. Steve started his career on site working for contractors before moving on to site supervision and later project management roles. This experience equipped Steve with an ability to produce cost effective and practical designs when he moved into consultancy. He has experience of a full range of projects including swimming pools, hospitals, schools and prisons.

Matt has a Bachelor of Engineering with Honours in Building Services and Sustainable Engineering and is a Graduate Member of CIBSE. He won the University of Central Lancashire's 'Malcolm Faulkner Prize' for Best Dissertation on Sustainability 2009. He has 10 years experience in the design and development of mechanical services systems, from concept to completion. Particular and extensive experience of a wide variety of building services designs including apartments, housing, sports centres, swimming pools, schools and Renewable & Sustainable Technology Implementation.

The range of services of B3 Building Services include:

- Detailed design
- Building control/L2 compliance
- Design & construct briefs
- Whole life costings
- Site surveys
- Feasibility studies
- Energy studies
- Cost consultancy
- Project management
- Co-ordination
- On-site supervision
- Level 5 Low Carbon Energy Assessors
- Dynamic Simulation and overheating analysis

Scope of services provided:

- Heating and ventilation
- Air conditioning
- Public health
- Sustainable engineering
- Power supplies
- Lighting and small power
- Fire detection and security
- Data and telecommunications
- CCTV
- Lightning protection
- Total building management
- Alternative energy