

The Practice.....

JSH CONSULTING

Is an established building services design consultancy service, operating from the Stadia Technology Park.

The practice is owned and managed by three directors who personally control all projects and have all previously held senior positions within local authority and/or private practice, bringing together technical and commercial expertise in a small but responsive organisation.

In addition to the directors we have a team of dedicated engineers selected for their knowledge and expertise.

We offer a comprehensive design and project management facility for the full range of mechanical and electrical building services for any building in any work sector, in any location.

We are able to offer a range of professional services, specifically tailored to our Clients requirements.

We have considerable experience with our diverse client base which includes local authorities, universities, hospitals, developers and architects, together with mechanical and electrical contractors.

Our expertise encompasses work in many sectors including education (schools, colleges and universities), private and local authority housing, leisure facilities, commercial developments, healthcare, defence estates, retail premises, manufacturing and home / office establishments.

The Practice aims to produce quality and completeness of design and service, wherever possible within a framework of co-operative partnering. It is our ambition to develop successful and long-term relationships with our Clients. A history of repeat business with many Clients illustrates our success in this area.

Our Services.....

JSH Consulting are able to offer a wide range of building services design expertise for new building and refurbishment work, including:

- Heating - Low and medium temperature hot water heating, steam, gas fired radiant heating, high velocity high temperature air systems.
- Ventilation – using mechanical supply, extract, displacement and assisted natural ventilation techniques.
- Air Conditioning.
- Heat generation by gas, fuel oil, solid fuel, waste heat, electric and renewable sources.
- Piped services for natural gas, fuel oil, compressed air.
- Medical piped gases and waste anesthetic gas scavenging systems.
- Chilled water and refrigeration systems.
- Domestic hot and cold water services.
- Heat recovery and rejection.
- Grey and recycled rainwater engineering.
- Community, group and large heating system design.
- Low energy design / passive engineering.
- Energy audits and reports.
- Building thermal modeling with daily, monthly and yearly predictions for Carbon and Carbon Dioxide emissions.
- Building Regulations Part L2 compliance for elemental, whole building and carbon emission calculation methods.
- SEAM and BREEAM assessments.
- Daylighting simulations.
- Electrical distribution.
- Standby generation and UPS.
- Internal and external lighting.
- Emergency lighting and fire alarm systems.
- Security, access control and intruder alarm systems.
- Telephone, TV and public address installations.
- ICT and data networks.

- Building Energy Management systems.
 - Asset management surveys together with data storage and retrieval systems.
 - Building and system condition surveys and reporting.
 - Vertical transport.
-
- All our work is compliant with the requirements of the CDM Regulations, and those of the water, gas and electricity industries.
 - We are qualified to act as Planning Supervisor if required.

Our Services.....

Financial Management

Our service can include project financial management, from initial estimates at the conceptual stage, milestone cost checking and pre and post contract services including final account negotiations.

Our work includes:

- Budget estimates
- Feasibility appraisal and option objectives
- Financial review at key design stages
- Value engineering
- Tender documentation including full technical specifications
- Preparation of tender reports
- Interim and final valuations
- Variation account negotiation and settlement

Project Management

We are experienced with the standard forms of JCT contract, together with other work systems including PFI, Project Partnering and Minor Works contracts.

JSH are able to provide a day to day technical and / or project management function, either as a bureau service or visiting personnel.

We are also able to act as the Client Agent, with periodic visits and reports recording the findings.

Our Systems.....

Our work is generated and produced using industry standard software including:

- Computer produced drawings in .dwg or .dxf format
- Computer aided calculation software for system design, analysis and simulation - Hevacomp
- Standard MS format word processing, spreadsheet and database formats
- Additionally, all our work is produced in accordance with a quality system
- Thermal analysis
- Energy management and monitoring
- Specifications using Barbour Index specification expert Building Services version, formerly NES Winspec.

Contact us at.....

Our registered and trading address is:

JSH Consulting Ltd
Stadia Technology Parks
60 Shirland Lane
Sheffield S9 3SP

Tel: 0114 2211851

Fax:0114 2211852

e-mail:

tony@jshconsulting.co.uk

martyn@jshconsulting.co.uk

andy@jshconsulting.co.uk

www.jshconsulting.co.uk

Name : **Anthony Jubb**

Appointment : Director

Education : First Class Honours Degree in Electrical Engineering BEng(Hons)
Higher National Diploma in Electrical & Electronic Engineering

Professional Qualifications: Chartered Electrical Engineer CEng
Chartered Building Services Engineer CEng
Member - Institution of Electrical Engineers IET
Member - Chartered Institution of Building Services Engineers MCIBSE

Professional Synopsis

- Early career began as an apprentice electrician, becoming a qualified electrician in 1979 working for various local contractors and in 1987 for Doncaster MBC
- Through internal promotion was appointed as Electrical Inspector in 1987 responsible for the ordering, costing and quality checking of Electrical Services.
- In 1988 appointed Assistant Electrical Maintenance Engineer with Wakefield MDC, responsible for a team of Technicians and Surveyors engaged in procuring electrical building services works for Wakefield MDC and West Yorkshire Police.
- In 1989 joined Sheffield City Councils Design and Building Services as an Engineer, carrying out design and specification work for the full range of electrical installations. Promoted to Senior Engineer in 1993 and to Team Leader Engineer in 1995, becoming responsible for a team of Electrical Engineers, Technicians, and surveyors and on site supervisory staff carrying out electrical services projects carried out by Design and Building Services.
- Appointed Principal Electrical Engineer in 2000, becoming responsible for the day to day running of the Electrical Services division.
- Started JSH Consulting Ltd in 2002, with specific responsibility for electrical engineering design and project management.

- Recent projects include the electrical services design for a new laboratory block for a secondary school, a city learning centre scheme, a number of schemes for Sheffield Hallam University including new Lecture Theatres, a remodelling scheme the Surrey building, new supplies and UPS supplies to the main server room, upgrading the emergency lighting and fire alarm systems for Doncaster Racecourse and new infrastructure works for Sheffield Hallam University's Collegiate Crescent site.
- Currently involved in the electrical design work associated with the installation of a new fire evacuation lift and atrium to an existing Grade 1 listed manor house for Northern College, several 'Surestart' schemes and various other education, further education and hospital installations.
- Production of conceptual design and briefing documents for the new RSPCA headquarters in Sheffield and for the renewal of the fire and emergency managements systems to Sheffield Hallam Arena.
- Specialisms include Lighting, Mains distribution, UPS, Standby generation, Fire and Security systems, Emergency lighting, Access control and Heating controls.
- Vocational qualifications include completion of a RIBA approved Planning Supervisor Course - CDM Regulations.

Name : **Martyn Smith**

Appointment : Director

Education : First Class Honours Degree in Environmental Engineering BEng(Hons)
Polytechnic Certificate in Building Services Engineering

Professional Qualifications: Chartered Building Services Engineer CEng
Chartered Mechanical Engineer CEng
Member - Chartered Institution of Building Services Engineers MCIBSE
Member - Institute of Mechanical Engineers MIMechE

Professional Synopsis

- In 1976, joined High Mead Engineering as Apprentice Heating Engineer, working on design and project engineering for a wide variety of commercial and industrial buildings.
- Joined Sheffield City Council in 1982 as Technician, promoted to Assistant Engineer in 1983, Senior Engineer in 1985 and Team Leader in 1988.
- Promoted to Principal Mechanical Engineer in January 2000, responsible for a team of Engineers, Technicians and Surveyors engaged in the survey, design and project management of building services systems.
- Started JSH Consulting Ltd in 2002, with specific responsibility for mechanical engineering design and project management.
- Recent projects include the design and supervision of installation of mechanical services i.e. hot and cold water services, heating, ventilation and air conditioning to a wide range of domestic and commercial premises, including:
 - Housing (low and high rise)
 - Multi storey office accommodation
 - Fire and Police Authority premises
 - Educational establishments
 - Leisure facilities
 - Care homes
 - Specialist facilities including laboratories and computer suites etc.

Specialisms include community and district heating systems, heat recovery and passive engineering, combined heat and power and Building Regulation Parts J and L compliance.

- Associate Lecturer in Building Services Engineering at Sheffield Hallam University.
- Recent projects include the mechanical services design for sales floor cooling at Asda – Scunthorpe, a refurbishment project at Upperthorpe Healthy Living Centre (including swimming pool, library and office facilities), a refurbished 10 bedroom medium secure unit, a new build Science Block at Notre Dame School, a new build Food Technology Facility at North Notts College and number of partnering design / build projects for Doncaster MBC including a new 6th form college and laboratories at Campsmount School and various new Surestart Initiatives at Doncaster.
- Further private sector experience has been gained on a new build Forensic Science Secure Unit at Bradford, a new build 32 bedroom medium secure unit at Bury and a major cooling project to a full floor of Danum House, Doncaster.
- Currently involved in the implementation of boiler house refurbishments at 16 Residential establishments for Anchor Trust, the installation of a custom designed kitchen ventilation system at a Main Grade 1 listed building for Northern College, the mechanical services design for several new build Surestart projects and the conceptual design for services for a new build leisure pool, sports hall and changing facilities at Mylnhurst School in Sheffield.
- Vocational qualifications include completion of the RIBA Planning Supervisor Course - Construction (Design and Management) Regulations.

Name : **Andrew Wallace**

Appointment : Director

Education : Polytechnic Certificate in Building Services
City & Guilds, Heating, Ventilation and Air
Conditioning Technician's Certificate Parts 1 and 2

Professional Qualifications: Incorporated Engineer IEng
Member - Chartered Institution of Building Services
Engineers (MCIBSE)
Member - American Society of Heating,
Refrigerating & Air Conditioning Engineers
(ASHRAE)
Member - Institute of Healthcare Engineering &
Estate Management (MIHEEM)

Professional Synopsis

- Commenced employment in 1973 with specialist heating and ventilation contractor, Alfred Grindrod & Co Ltd, as an indentured technician apprentice working on mechanical services design, estimating and supervision of various commercial, education, health and industrial building projects.
- Joined Crown House Engineering Ltd in 1980 as a Project Engineer with responsibility for the installation phase of pre-designed schemes, including liaison between client, main contractors, sub-contractors, suppliers and site labour.
- In 1982 joined Sheffield City Council, Works Department, Heating Section as a Technical Officer, promoted to Senior Officer in 1984, with responsibility for design, procurement and project management of various schemes for client departments including schools, nursing homes, high rise housing, museums, swimming pools and sports facilities.
- Promoted to Sheffield City Council, Design & Building Services in 1985 as a Group Leader, responsible for a group of engineers and the design, specification and supervision of building services in council-owned buildings, including group heating schemes, tower block accommodation, offices, schools, sports centres, art galleries and elderly people's homes.
- In 1987 became self employed working on a contract basis as a Senior Design Engineer and Project Manager for Edward Pearce & Associates, Usher & Partners, Crown House Engineering, Henry Boot Construction Ltd, Preston Lee Chambers, Drake & Scull Ltd and Building Design Partnership. Responsible for design and project management on various schemes including a prison, retail,

banks, vehicle distribution depot, car manufacturing plant, hospitals, colleges, semi-conductor manufacturing plants, military establishments, pharmacy manufacturing and commercial premises.

- Joined Building Design Partnership in 2000 in a staff position undertaking the varied role of Senior Design Engineer, Engineering Team Leader and Project Manager on schemes including PFI Hospitals at Hexham and John Radcliffe Hospital Oxford, hospitals in Sheffield, Doncaster, Bradford and Northolt, Leeds College of Music, Health & Safety Laboratories, Crown Courts, churches and numerous commercial projects.
- In 2003 appointed as Principal Building Services Engineer at Mott MacDonald Sheffield, with responsibility for mechanical services engineering team design and project management input for Barnsley Schools PFI bid, other local authority schools and healthcare sector work.
- In 2004 joined JSH Consulting Ltd as a Director with responsibility for mechanical engineering and project management.
- Currently involved with the mechanical services design and specification for a number of healthcare schemes at Sheffield's Northern General and Royal Hallamshire Hospitals, and projects for Sheffield Hallam University and Menwith Hill (Defence Estates United States Forces).
- Specialisms include air conditioning and the design and project management of hospital engineering services and education establishments.

Name : **Michael Castro**

Appointment : Senior Electrical Engineer

Education : Upper Second Class Honours Degree in Electrical & Electronic Engineering BEng(Hons)
OND in Engineering

Professional Qualifications : Member - Institution of Electrical Engineers MIEE

Professional Synopsis

- As part of the sandwich degree course joined Husband & Co / Mott MacDonald in 1990 as Trainee Electrical Engineer. The work involved assisting Building Services Engineers with designs and specifications for services within commercial, sports and industrial buildings.
- In 1993 joined Rex Electrical as Electrical Engineer. Works involved the design, costing and installation of specialist equipment including lighting schemes, standby power generation systems, uninterruptible power supplies, fire detection and extinguishant systems.
- In 1997 joined Cass Electric. Works involved the design and estimating of general electrical schemes, including hospital and retail projects, interpretation and evaluation of clients' requirements and preparation of detailed designs, plans, quotations.
- Joined BDP In 1999 as Electrical Engineer responsible for all aspects of electrical design on schemes including PFI hospitals, PFI magistrates courts, hospitals in Sheffield and Doncaster, schools, churches, colleges and numerous commercial projects. Project Manager for temporary ward accommodation at Hexham Hospital.
- In 2004 joined Capita Symonds as Senior Electrical Engineer. Works involved client liaison and electrical services input for the Leeds schools PFI bid, outline designs and specifications for design and build residential projects, detail electrical design for University buildings. Project Manager for new residential accommodation at Doncaster Lakeside.
- In 2005 joined JSH Consulting as Senior Electrical Engineer with specific responsibility for the detailed electrical design on projects including new build and refurbishment of University, school and hospital buildings.

Recent projects carried out include:

- Various schemes for Sheffield Teaching Hospital NHS Foundation Trust including refurbishment of Post Operative Recovery area, enabling works and performance specifications for CT Scanner, Gamma Camera and X-Ray equipment projects.
- Fully detailed electrical specifications and drawings for various schools projects for Doncaster Metropolitan Borough Council.
- Electrical design, following detailed site survey, for a £1.7 million extension to Barnsley College Construction Centre, to house new engineering services.
- Electrical performance specification and drawings for refurbishment works at Sheffield Hallam University Psalter Lane Campus.
- Outline electrical design and electrical performance specifications, following client liaison, for residential accommodation at Doncaster Lakeside.
- Electrical engineering services for a £30 million PFI Magistrates Courts, Offices and Bus Station project in Bristol and Worle.

Insurances...

- Professional Indemnity.
- Public Liability.
- Employers Liability.

Professional Indemnity Insurance

Insurer	MFL Professional
Policy No.	MFLS 0700074
Expiry Date	27 August 2011
Limit	£ 2,000,000
Excess	£ 2,500

Public Liability Insurance

Insurer	NatWest Business Insurance
Policy No.	835001796
Expiry Date	13 June 2011
Limit	£1,000,000
Excess	Nil

Employers Liability Insurance

Insurer	NatWest Business Insurance
Policy No.	835001796
Expiry Date	13 June 2011
Limit	£10,000,000
Excess	Nil

Health & Safety.....

HEALTH & SAFETY POLICY STATEMENT OF INTENT

It is the commitment of this organisation (JSH Consulting Ltd) that its' actions, directly or indirectly, have a net zero health and safety implication.

As a company, we will ensure this objective is achieved through appropriate structured training; site specific induction training and task specific tool box training wherever necessary. Access to health and safety information is available in-house and / or on-line through unrestricted Internet access.

Wherever there is a requirement for supplementary training or personnel protective equipment, it will be provided at the company's expense.

It is intended that all of our activities, together with those required of others (principally other designers, Contractors and Sub-Contractors), should be carried out in an appropriately safe environment.

Employees operating from our own offices have work stations that are appropriate to the duties of the employee and are compliant with the requirements of a safety audit.

We undertake to ensure that design work carried out by this organisation will be compliant with health & safety and workplace legislation, and will take cognisance of the Construction (Design and Management) Regulations (designers duties).

Design phase risk assessments are carried out as standard and wherever practicable, construction and later phase risks are designed out or eliminated / reduced to acceptable limits through appropriate measures.

In exceptional circumstances i.e. where a significant risk has not been eliminated, appropriate information will be issued to the Contractor via the Planning Supervisor. This would normally be in the form of an identified hazard (following the completion of the risk assessment) noted in the Pre-Tender Stage Health and Safety Plan. In such cases, the Contractor will be requested to submit to the Planning Supervisor, a detailed method statement outlining the methodology in which these risks are to be managed.

Name
Signed
Position
Date

Equal Opportunities.....

EQUAL OPPORTUNITIES POLICY

It is the policy of this company, that applicants and appointees to any position within the company will not be discriminated against, regardless of their gender, religion, colour / creed, marital status / sexuality, number of dependants or physical / mental well-being.

Additionally, the Company supports the CITB initiative “Equal Opportunities Is Your Business Too” and will comply with the Guidelines for Equal Opportunities Employers issued by the Equal Opportunities Commission.

All persons applying for employment will be short listed for interview and appointed according only to their ability to meet post specific requirements.

Victimisation or harassment of any individual (or group of persons) is in contravention to the Company policy and will lead to disciplinary and possible legal action.

This policy is underpinned by current legislation i.e. Race Relations Act 1976, Race Relations (Amendment) Act 2000, Sex Discrimination Act 1975 and Disability Act 1995 (as amended).

This policy will be reviewed annually (or other appropriate interval), to encompass changes to legislation and best practice.

This policy is issued to all Employees, and Applicants for Employment prior to interview.

Commissions undertaken by this Practice will be in accordance with, and complement the aims of this Policy.

Signed:

Position:

Date:



References...

Project References

Mr Alan Haywood
Doncaster MBC,
Construction Services
Barnsley Road
Scawsby
Doncaster
DN5 7UD Tel 01302 736509

Mr Allan Hair
John Hill Associates
Architects
6 Shaw Wood Way
Shaw Wood Business Park
Doncaster
DN2 5TB Tel 01302 364565

Mr Phil Brennan
Deputy Director of Estates
(Engineering Design)
Sheffield Teaching Hospitals NHS
Foundation Trust
Directorate of Estate Management
11Broomfield Road
Sheffield
S10 2SE Tel 0114 2268619

Quality Assurance.....

<p>JSH Consulting BUILDING SERVICES ENGINEERS + CONSULTANTS Stadia Technology Parks 60 Shirland Lane Sheffield S9 3SP Tel: 0114 221 1851 Fax: 0114 221 1852</p>	<p>QUALITY SYSTEM CHECKLIST</p>
--	--

Scheme Title:		Initial and date
Scheme No:		
STAGE A	PROJECT INITIATION	
A1	Initial Assessment of the Commission	
A2	Service and Fee Agreement	
A3	Liase with the Design Team	
A4	Investigate Information and Data relevant to the project	
A5	Advise on Alternative Design Construction and Procurement Approaches	
A6	Advise on need for Consents and Approvals	
A7	Advise on Client Group and Public Consultation	
A8	Assist with funding applications	
STAGE B	FEASIBILITY	
B1	Technical Appraisal	
B2	Provide a Work stage Programme	
B3	Special Survey/Investigations	
B4	Consult with Statutory or other agencies	
B5	Consult with Identified Client/Project Groups	
B6	Present the Feasibility Report	
STAGE C	OUTLINE PROPOSALS	
C1	Confirm the Client Requirement	
C2	Review Level of Service and Fee Agreement	
C3	Provide a Work stage Programme	
C4	Consult with Statutory or other Regulatory Agencies	
C5	Consult with identified Client/Project Groups	
C6	Cost Checking	
C7	Conclude, Report, Present Outline Proposals	
STAGE D	SCHEME DESIGN	
D1	Confirm the Client Requirement	

D2	Provide a Work stage Programme	
D3	Consult with Statutory or Regulatory Agencies	
D4	Consult with identified Client/Project Group	
D5	Cost Checking	
D6	Conclude Report, Present the Scheme Design	
STAGE E	DETAIL DESIGN	
E1	Confirm the Client Requirement	
E2	Provide a Work stage Programme	
E3	Consult with Statutory or other Regulatory Agencies	
E4	Consult with identified Client/Project Groups	
E5	Cost Checking	
E6	Conclude, Report and Present the Detail Design	
STAGE FG	PRODUCTION INFORMATION/SPECIFICATION	
FG1	Confirm the Client Requirement	
FG2	Co-ordinate the Production Information	
FG3	Provide a Work stage Programme	
FG4	Advise on pre-ordering/pre-tendering	
FG5	Advise on Preliminaries, CDM Health & Safety Plan and Contract Conditions	
FG6	Confirm all Consents	
FG7	Cost Checking	
FG8	Provide information for CP3 Report and Tender Documentation	
STAGE H	TENDER ACTION	
H1	Confirm Clients approval for Tender Action	
H2	Assist in Selection of Tenderness	
H3	Provide the Tender Documentation	
H4	Respond to Queries	
H5	Tender Appraisal, Negotiations, Tender Report	
STAGE J	PROJECT PLANNING	
J1	Confirm Council Approval of Tender Report	
J2	Prepare for issue and update of all Production Information for Construction.	
J3	Assist in the issue of Direct Orders	
J4	Attend the Pre-Contract Meeting	
STAGE K	OPERATIONS ON SITE	
K1	Administer the Contract	
K2	Amend and update Drawings and Specifications following on AI variations	

STAGE L	HANDBOOK AND DEFECTS PERIOD	
L1	Handover and Management of Defects Period	
L2	Produce the Project CDM Health and Safety File	
STAGE M	POST CONTRACT	
M1	Post Contract Review	
M2	Investigation of Latent Defects	
M3	Assist in production of Final Account and Final Certificate	
M4	Archiving	

STAGE OS	OTHER SERVICES	
OS1	Condition surveys of Properties	
OS2	Survey and Assessment of Buildings for Alternative Uses	
OS3	Survey and Assessment of Fire Damaged Properties	
OS4	Survey and Assessment of Existing/Installed Fire Precautions	
OS5	Determination and Insolvency of Contractors	