



Building Services Consultants

Charles Consultants

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Company Profile

Charles Consultants Ltd are a team of Electrical and Mechanical Engineering Consultants, established since 1975 and have continued to evolve and grow since that time.

Based in Hockley, Essex, we undertake projects both in the United Kingdom and overseas and provide a full range of services in the areas of Electrical and Mechanical Engineering, all carried out to the highest of standards.

The areas of work included within the Consultancy Service range from basic project advice to full project management.

This, together with the technical design of Mechanical and Electrical Services from client briefing, to final inspection and handover provides total design engineering management.

Levels of consultancy are tailored to suit the needs of each particular client and each project approached individually.

WE PRIDE OURSELVES on providing practical Electrical and Mechanical solutions and our honest and approachable way of working places emphasis on building strong partnerships with all of our clients, many of whom return to take advantage of our expertise and experience time after time.





Consultancy Services

Levels of consultancy can be varied to suit the particular Client's needs and encompass the following:-

- Design Development
- Project Management
- Surveying
- Feasibility and Condition Surveys
- Estimating
- Technical Design
- Calculations
- Technical Specifications
- Design Drawings
- Site Inspection/Supervision

We utilise the latest technology for computer aided design, estimating and all administration requirements which ensures that projects are accurately appraised, technically prepared and effectively documented and recorded.

Comprehensive drawings and documentation are produced at tender stage for each project, helping to ensure that construction runs smoothly. This, combined with our disciplined approach, results in co-ordinated projects delivered within programme parameters and contained within financial restraints.





M & E Services

In addition to the Mechanical and Electrical elements of the design we are able to provide all aspects of project management, including building surveying, architectural design/planning, structural engineering and quantity surveying.

This is possible by the close links we have with other professional practices who are willing to offer their services under our management, thus providing a truly co-ordinated approach to a project from inception to completion.

Professional Indemnity Insurance cover of £5,000,000 (each and every claim) is provided for all projects undertaken.

Fees are generally assessed on the Association of Consulting Engineers' Conditions of Agreement but are fully negotiable. Fixed lump sum fees or hourly rates are offered as an alternative to the scale of fees.

Please refer to the enclosed project schedule to fully appreciate both the capacity and the wide variety of projects undertaken by Charles Consultants.

Mechanical Services

- LTHW and MTH Heating Designs
- Air conditioning & ventilation
- Heating
- Domestic Services
- Public Health
- Fire Protection
- Noise Vibration Control
- Specialist Process/Chemical Services
- Gas & Medical/Laboratory Gas Systems
- Compressed Air and Process Water Systems
- Mechanical Services Control Wiring
- Steam & Condense Designs
- Boiler House Designs
- Building Management Systems
- Operating Theatre & Clean Room Design
- Fire/Smoke Ventilation & Fire Safety Designs
- Energy Calculations (CO² emissions & SAP ratings)

Electrical Services

- HV Power Distribution System Design
- LV Power Distribution Design
- General Power Design
- Sub-stations & Generators
- UPS Systems
- Distribution Networks
- Data Distribution and all associated ancillary services
- Interior & Exterior Specialist Lighting
- Sound & Lighting Specialist Systems
- Lightning Protection Systems
- Access Control Systems
- Telephones
- Computer Engineering
- Fire Alarm Systems
- Intruder Alarm & CCTV Systems
- Liaison with Utility Providers
- Health & Safety Surveys
- Engineers Reports

Clients



We have, over the years built solid relationships with Clients that often lead to long term project involvement and are proud to be associated with many prestigious Clients, including:

- Brodin Design Build, London & Los Angeles
- The Livemore Partnership
- Medway Hospital NHS Trust
- East London NHS Foundation Trust
- Mid Essex Hospital Services NHS Trust
- South Essex Partnership NHS Trust
- Kier Group Eastern - Witham/Norwich
- The Ratcliffe Grove Partnership
- Day Building Ltd
- Renal Services Plc (London)
- The Rolph Partnership
- Sheer Developments Ltd
- Simon Davenport Associates
- Newmark Property Investments
- Action 4 Energy
- Size Breed Construction
- Harper Associates





Contact

Please do not hesitate to contact us to discuss how we can help you with your next project, or if you have any further queries.

We look forward to speaking to you soon.

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Projects in Progress

8 Palace Green, London	Executive House Refurb (T Ecclestone)	£3.1m
Princes Gate, London	Executive House Refurbishment	£400k
University of East Anglia	New Academic Block	£900k
University of East Anglia	Earlham Hall Refurbishment	£85k
16 Shelley Grove, Loughton	Executive House Refurbishment	£85k
6 Chester Square, London	Executive House Refurbishment	£580k
8 Kensington Palace Gdns, London	Executive House Refurbishment	£250k
16 The Little Boltons, London	Executive House Refurbishment	£400k
40 Egerton Crescent, London	Executive House Refurbishment	£450k
40 Chelsea Square, London	Executive House Refurbishment	£180k
Donne Place, London	Executive House Remedial Works	£200k
Ashley House, Southampton	Executive House Remedial Works	£TBA
Brantham Leisure Centre	New Extension	£300k
Buckhurs Park, Ascot	Various Engineering Services	£TBA
Dalham Hall Stud	Various	£6m
Fort Belvedere, Ascot	Various Upgrades to Country Estate	£ongoing
Lodge Farm	Business Centre Development	£300k
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Heath House, Dublin	Executive House Refurbishment	≈800k
Medway Maritime Hospital, Kent	Obstetrics Dept Refurbishment	£600k
Medway Maritime Hospital	Midwifery Led Unit Refurbishment	£300k
Westcliff High School for Boys	New Music/Teaching Block	£316k



Projects Completed

43 Egerton Crescent, London	Executive House Refurbishment	£260k
Aggregate Industries, Coalville	IT Centre	£95k
Arup Associates	Imperial War Museum Floodlighting	£35k
Azerbaijan Embassy	Refurbishment	£150k
Bahrain Embassy, London	Refurbishment	£80k
Brentwood Leisure Trust	Brentwood Pool Ventilation Replacement	£120k
Blampied & Partners Ltd	Penthouse, Knightsbridge	£240k
Blampied & Partners Ltd	Executive House Refurbishment for Mrs Henry Ford II, Eaton Square	£75k
C J Bartley	French Embassy, Knightsbridge	£150k
C J Jefferies	Private Hospital, Southampton	£60k
Cambridge University	Biochemistry	£60k
Cambridge University	Madingley Hall Generator	£85k
Cambridge University	Plant Sciences	£100k
Cambridge University	Zoology	£140k
Carlton Benbow	American Community School Cobham	£500k
Carroll Associates	Hambros Bank Traders Room	£40k
Christiani & Nielsen	Westminster & Chelsea Hospital Residences	£950k
Carbon Trust	Langham Hotel	
Clinphone	Call Centre	£180k
Clyde Petroleum	Technical Services Building, Ledbury	£750k
CML Microsystems Ltd	New Headquarters, Hatfield Peveral	£900k
Continental Design	Fremantle Hotel	£750k
Copthorne Hotel, Reading	Major Refurbishment	£220k
Essex NHS Trust	Heath Close, Billericay	£296K
French Kier Anglia Ltd	Publishing/Studio HQ, Witham	£240k
Goodall Design	Holy Museum Medina	£2.5m
Holloway White Allom	Cadogan Pl - Exec Hse Boiler Plant Replacement	£110k
Holloway White Allom	Landthorne House - Services Refurbishment	£100k
Holloway White Allom	Windward House, Mustique - Air Conditioning	£80k
Holloway White Allom	Lancelot Place, London - Penthouse Refurbishment	£350k



Projects Completed

Ingleton Wood LLP	Chichester House, Warden Accommodation	£270k
Ingleton Wood LLP	Cancer Ward, Colchester Hospital	£80k
JP Morgan	Central Plant Project Manangement	£2.1m
Jewish Education Dev Trust	Priory College Elstree	£750k
John Strong & Partners	St Lukes Hospice Extension	£35k
Kemsley, Whiteley & Ferris	Hainault Business Estate	£300k
Kent College	New Media/Library Block	£495K
King John School, Essex	Complete New Electrics	£615k
32 Chester Square (G Weston)	Executive House Refurbishment	£450k
Ladbrokes Casino	Tottenham Court Road, London	£230k
Lovelock & Taylour	Barking Town Hall Electrical Upgrade	£600k
Mailer Associates	Liverpool Street Station Arcade	£200k
Medway Maritime Hospital	A & E Observation Ward Upgrade	£45k
Medway Maritime Hospital	MLU Feasibility Study	
Medway Maritime Hospital	New Body Store	£80k
Medway Maritime Hospital	Ward Refurbishment (M & E)	£175k
Medway NHS Trust	Medway Hospital Cardiovascular Operating Theatres	£325K
Mckesson, HBOC	Harold Wood Hospital IT Centre	£400k
Morgan Guaranty Trust Co of NY	UPS Room Upgrade	£120k
Mrs H Ford	93 Eaton Square, London	£250k
NHS Trust	Homerton Hospital, Joshua Ward	£235k
NHS Trust	Homerton Maternity Unit	£125k
Notifier Fire Alarms Ltd	New Manufacturing Centre, Burgess Hill	£250k
Oldchurch Hospital	Lyon Road Medical Records Archiving	£900k
Perse School	Sports Centre	£110k
RAG	AC/Autokraft Car Factory Brooklands	£60k
RSW Partnership	3M - Inhalation Development Laboratory	£15k
RSW Partnership	Newmarket Horseracing Forensic Laboratory	£55k
RSW Partnership	Unilever X Ray Microscope	£25k



Projects Completed (contd)

Rochford Hospital	Assisted Patient Ward Modifications	£30k
Royal London Insurance	Headquarters Colchester	£800k
J Sainsbury Plc	Haverhill Meat Products Abattoir	£175k
Sajo Inc, Montreal	Great House Project - Mustique	£800k
South Essex NHS Trust	Thundersley Clinic	£145k
South Essex NHS Trust	Meadowview Ward	£450k
South Essex NHS Trust	Thameside House Infrastructure/Data Centre	£1m
St Leonard's Terrace	Executive House Refurbishment	£350k
St Peter's School	Main Electrical Upgrade	£340k
St George Securities	Charterhouse Buildings, London	£200k
Tarmac	County Square Office Development, Chelmsford	£1m
The Atomic Energy Est	Buildings 220, 351 & 551, Harwell	£3500k
The Hon Artillery Company	Bisley Shooting Lodge	£100k
The Hon Artillery Company	Headquarters, Complete Mechanical Upgrade	£110k
The Hon Artillery Company	Main Kitchen Refurbishment	£170k
The Livemore Partnership	New Springfield Parish Centre	£120k
The Observer	Glasgow Herald Office, London	£30k
The Observer	Headquarters, Battersea	£1.5m
The Sweyne Park School	Drama/Media Centre	£154k
University of East Anglia	Biophysical Sciences	£72k
University of East Anglia	Central Catering Restaurants	£250k
University of East Anglia	Main Site Electrical Infrastructure Feasibility Study	
University of East Anglia	Central Support Services	£155k
University of East Anglia	Science Building	£975k
University of East Anglia	Science/Comp Block Refurbishment	£300k
Westview Cottage, Upshire	Construction of new Executive House	£105k
Westcliff High School for Boys	Humanities Extension	£80k
Westcliff High School for Boys	Teaching Facility Upgrade	£85k



Projects Completed (contd)

Baluchi Furniture Store	Bahrain	
British Pub (The Tube)	Moscow	£40k
Business Centre	Moscow	£300k
CITS	Nigeria	
Great House Project	Mustique	£800k
Historic Building Refurbishment	Moscow	£70k
Housing	Qatar	
MFA Education Facility	Saudi Arabia	
Maduguri General Hospital	Nigeria	
Ministry of Rurall Affairs, Riyadh	Saudi Arabia	
PSE Factory, Riyadh	Saudi Arabia	
Palace, Jeddah	Saudi Arabia	
Phaedra Hotel, Riyadh	Saudi Arabia	
University of Riyadh	Saudi Arabia	
Holloway White Allom	Windward House A/c, Mustique	US\$ 15k



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