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PROFESSIONAL PROFILE

- ⇒ Chartered Engineer with 15 years' experience as Electrical Engineer with expertise in designing and checking electrical installations in a building to International Standards.
- ⇒ I have worked as Lead Engineer, Project Manager / Engineer and Design Engineer on various projects.
- ⇒ Site experience – work closely with the design team, examine materials used, check workmanship, produce site progress reports, check defects and organise testing / commissioning. Produce risk registers and HAZID reports.
- ⇒ Experience working on both new build and refurbishment projects. I am a team member and an individual engineer responsible for particular aspects or total design.
- ⇒ Project experience includes Commercial, Healthcare, Education (schools, colleges, universities) Rail (station), Automotive, Industries / Factories, Residential, Student accommodation and Public realm areas.
- ⇒ Deft in efficiently executing projects with close co-ordination with contractors, architects, design consultants and other external agencies; ensuring on time deliverables.
- ⇒ Excellent communication, leadership, interpersonal, relationship management, analytical and negotiation skills.
- ⇒ Conversant with RIBA stages, BIM Levels and BREEAM credentials.
- ⇒ Conversant with Health Technical Memorandums (HTMs) and Health Building Notes (HBNs).

ORGANISATIONAL EXPERIENCE

Aug 2018 – Present Principal Engineer Arup, UK

Manage MEP team, prepare work forecast/resource, assess design and set milestones, contribute to H&S, risk registers, HAZID reports and CDM registers. Duties also involve checking deliverables including drawings, specifications, reports and schedules.

Key Projects:

- ⇒ Automatic People Mover, UK – MEP lead for the design of Automatic People Mover between a new train station and airport. Project consists of design of 2.2 km viaduct, 4 no. stops and Maintenance Facility. (£150M approximate value).
- ⇒ HS2 Interchange Station – Senior Engineer for the HS2 station connecting London and Birmingham.
- ⇒ Walsall Manor Hospital – Senior Engineer for new 6000m² extension of A&E department.
- ⇒ Colt Data Centre – Senior Engineer for new extension of existing site for additional IT capacity of 4.8MW.
- ⇒ Midland Metropolitan University Hospital – Compliance check engineer on the new 670 beds acute hospital with 15 operating theatres.
- ⇒ Velindre Cancer Centre, Cardiff – Lead electrical engineer for the concept design of 35000m² cancer hospital.

Mar 2016 – Aug 2018 Principal Electrical Engineer Building Services Design, UK

Duties involved securing new work, preparing fee proposals, manage electrical team of up to 6 engineers, resource planning, interview new staff, mentoring juniors, reporting to director, project management, checking design & compliance monitoring, performing QA check, attending client/design/contractor meetings, prepare meeting minutes, carrying out risk assessment, preparing electrical cost /quantity estimates, liaising with utility/local authorities and manufacturers. Check and prepare deliverables including calculations, drawings, specifications, reports and schedules.

Duties also involved site surveys followed by relevant defects reports, site progress reports, check program against installation work, represent client during witness testing and attend commissioning.

Key Projects:

- ⇒ University of Leicester, Leicester – Project Manager for fire alarm replacement of existing operational building. The building is approximately 15,000m² in area and has some very significant labs.
- ⇒ Lillie Square Development, London – Detail design of new luxury high rise penthouses and apartments.
- ⇒ Regent's Crescent, London – Detail design of 70+ luxury high rise apartments in Central London.
- ⇒ Greenwood Academy, Birmingham – Developed detail design of 9500m² academy including various workshops and labs for secondary students.
- ⇒ Kaplan International College, Liverpool – Detail design of three storey college building and nine storey student accommodation with a total area of about 10,000m².
- ⇒ Jaguar Land Rover Showrooms – Developed detail design of two new showrooms including workshops in and around London estimated at approximately £15M each.

Nov 2013 – Mar 2016

Senior Building Services Engineer (Electrical)

Pick Everard, UK

Duties involved carrying projects from inception to completion – prepare electrical drawings, design calculations, reports and specifications. Duties also involved attending various meetings, preparing fee proposals, contributing to MEP BIM strategy, assigning tasks to graduate/intermediate engineers and CAD team, coordinating MEP services, performing QA check, organising CPD seminars, site surveys followed by relevant reports, raising/responding to RFIs, take project brief from client or team Director, communicating with utility authorities and manufacturers.

Responsibilities also required site surveys, checking installation, produce snagging reports, produce design risk assessments and attend testing/commissioning of electrical systems.

Key Projects:

- ⇒ Warwickshire and London Borough of Hounslow Schools – Detail and Stage 3 design for new/extension of various schools including provision of SEN facilities ranging from £800K to £30M.
- ⇒ Royal Mail Projects – Detail design of new delivery mail centres at Portsmouth and Harrow.
- ⇒ National Grid Projects – Detail design for refurbishment of office areas in various buildings located at different sites ranging from £600K to £5M.
- ⇒ Cat B Fit Out – Detail design of Cat B fit out of four levels plus basement and roof in a high spec office building in Bristol for EDFE. Floors generally comprised open plan offices, individual offices, meeting rooms, kitchen, restaurant, training suite and level 2 classed IT rooms.

Jul 2012 – Oct 2013

Senior Engineer

Grontmij, UK

Project Engineer for various projects. Duties involved designing electrical services, assigning tasks to graduate engineers and CAD team, reporting to team director, attending various meetings, preparing technical reports, coordinating MEP services, compliance monitoring, liaising with various manufacturers and contractors.

Represented client side during witness testing & commissioning, produced risk assessments and snagging reports.

Key Projects:

- ⇒ Bloomberg Place, London – Detail design of £750M two nine storey office buildings (approx. 100,000m²) with Foster + Partners, three levels of basement and ground floor for retail.
- ⇒ Kings Cross: Public Realm, London – Stage 3 design for the 5500m² public realm area between various office buildings at Kings Cross which includes feature fountains, event spaces and kiosks.
- ⇒ Project Flow, London – Detail design of base build and Cat A fit-out for two new separate office buildings with a combined area of approx. 6500m².
- ⇒ Kings Cross Public Realm, London – Project Engineer for preparing Employment Requirements including Scope of Works and Concept Design of Public Realm (5500m²) for the Client.

Jul 2008 – Jul 2012

Intermediate Electrical Design Engineer

Hulley and Kirkwood Ltd, UK

Lead electrical design on small/medium scale projects provided support on large scale projects. Duties involved designing all electrical installations, attending design/site meetings, undertaking design audits, filling in QA forms, replying to RFIs, reporting to director, surveying sites, communicating with utility authorities and manufacturers.

Key Projects:

- ⇒ New Hospitals, Scotland – Assisted design of lighting and fire alarms in Fife Acute hospital and Edinburgh's Sick Children hospital. Estimated cost of each hospital at about £150M.
- ⇒ Borders General Hospital, Scotland – Detail design for the extension of Stoke and Palliative Care units in the existing hospital at the borders.
- ⇒ New Council Offices, Bathgate – Detail design for the new council offices (approx. 2500m²) with BDP architects. The building achieved various awards.
- ⇒ Dalkeith Health Centre, Edinburgh – Detail design for the new health centre comprising consulting rooms and physiotherapy treatment/gym area in Edinburgh. The building achieved B+ EPC rating.
- ⇒ Migdale Community Centre, Inverness – Detail design for the 24 beds community hospital in Bonar Bridge, Inverness.

Oct 2006 – Jul 2008

Graduate Electrical Engineer

RMJM Scotland Limited, UK

Provided support on various projects including preparing drawings at tender and construction stage. Duties involved attending design meetings, reporting to team associate, site visits, liaising with various manufacturers.

Key Projects:

- ⇒ North Glasgow College, Glasgow – Detail design for the 16900m² college: home to a state of art learning, resource centre, conference facilities and fully equipped sports hall.
- ⇒ City Palace, Moscow – Concept design for the 46 storey tower which includes offices, retails, leisure facilities and public function areas.

Jun 2004 – Aug 2005

Trainee Electrical Engineer

SamPATH Constructions, India

Provided support on various housing projects. Duties involved producing drawings, estimating electrical quantities, site surveys, attending meetings and reporting to senior engineers.

Design of electrical installations includes and not limited to – containment, small power, lighting, emergency lighting, fire alarms systems, security, access control, data installation, nurse call system, generator, UPS and lightning protection in a building.

Preparing specifications includes – technical and performance specification.

Project Manager responsible for managing projects including cost, resources, risk registers, H&S files, assumption registers, snagging reports, site progress reports, testing & commissioning, meeting minutes etc.

ACADEMIC CREDENTIALS

M.Sc. Building Services Engineering Management - Heriot Watt University, Edinburgh, UK
Passed – First Class

2005-2006

B.E. Electrical and Electronics Engineering – Osmania University, Hyderabad, India
Passed – First Class

2000-2004

PROFICIENCY FORTE

Technical Knowledge:

- ⇒ Revit – Prepare coordinated 3D drawings
- ⇒ BIM 360
- ⇒ AutoCAD – Prepare electrical drawings
- ⇒ Microstation – Prepare electrical drawings
- ⇒ Naviswork
- ⇒ Bluebeam
- ⇒ Space allowance
- ⇒ Amtech Pro-design and Protect – Calculate cable sizes and prepare distribution board schedules
- ⇒ Hevacomp – Calculate cable sizes and prepare distribution board schedules
- ⇒ Dialux – Design lighting solutions to CIBSE standards and Emergency lighting to BS5266
- ⇒ Fire Detection systems – Design to comply with BS5839
- ⇒ Lightning and Protection – Design to comply with BSEN 62305
- ⇒ Generator and UPS design
- ⇒ HV Design
- ⇒ Familiar with other international standards like NFPA

ACHIEVEMENTS AND SKILLS

- ⇒ Member of CIBSE (Member Grade)
- ⇒ Hold a valid Construction Site Visitor card
- ⇒ Knowledge of CDM / Health & Safety Regulations and Principal Designer role
- ⇒ Attended Asbestos and Site awareness training sessions
- ⇒ Hold full UK driving license
- ⇒ Active member of CPD courses
- ⇒ Represented the department of Electrical Engineering at Osmania University meeting in the year 2004.
- ⇒ Team working ability gained through education, employment and leisure activities. I am involved in extensive teamwork with professionals like contractors, architects, engineers and technicians etc.
- ⇒ Good planning, organizing, coordinating and scheduling skills enable me to meet deadlines and targets.
- ⇒ Developed high standards of written and verbal communication skills through class discussions, course works, reports, presentations and meetings.
- ⇒ Computer literate in MS office suites and Office 365
- ⇒ Can speak English, Urdu and Hindi fluently
- ⇒ Can speak and understand Arabic at a very basic level

INTERESTS

I enjoy most of the sports; particularly football and cricket. Surfing internet and reading Building Journals are other hobbies of mine.

REFERENCES

Provided on request