



Walker & Watts Ltd.

Utilities Consultancy, Design & Construction



Company Brochure



ABOUT US

Walker & Watts Limited have been offering comprehensive consultancy, design, and construction services in the Utilities Industry since 2014.

We provide expert support across the entire life-cycle of electrical projects from initial conception to final energisation and adoption. Our services cover a broad spectrum of voltages, from LV to 132kV, across DNO/DSO, IDNO, and Private Networks.

Offering flexible engagement models, we function both as consultants and as a turn-key Design & Delivery Contractor/Principal Contractor. We foster a collaborative environment, typically integrating at least one team member within our client's project team.

This unique approach not only differentiates us from larger consultancies and agency staffing solutions but also enhances our responsiveness and ability to proactively manage project challenges.

Driven by the goal to scale our operations, we focus on niche market opportunities that allow us to leverage our extensive network of highly skilled professionals. This strategy enables us to deliver superior value and efficiency—outperforming our larger, less agile competitors.

We are keen to engage with clients who resonate with our values, aiming to collaboratively advance in our dynamic sector. For partnerships in Commercial, Large Scale Residential, Mixed Use, or Renewable Energy projects, please reach out to us.



DESIGN & CONSULTANCY

Services

At Walker & Watts, we provide expert consultancy services to support the entire lifecycle of any electrical project, from Low Voltage (LV) up to 132kV.

Our services are tailored to meet the needs of each project, whether you require comprehensive support or specific technical expertise.

Our Niche Expertise Include:



Technical Services

- Technical calculations, detailed reports, and precise specifications.
- Advanced network modelling using industry-leading tools like DigSILENT Powerfactory, Amtech, WinDebut, and Visea Connect.



Renewable Energy Solutions

- Solar PV feasibility studies to evaluate the potential of solar installations.
- Power quality assessments and renewable connection services, including comprehensive compliance studies.



Design & Engineering

- Substation and cable route design from LV to 132kV for DNO/DSO, IDNO, and private networks.
- Utilisation of AutoCAD or Microstation for designs, incorporating BIM Modelling and 3D designs via Revit.



Regulatory Compliance and Applications

- Preparation and submission of compliance studies and applications according to G98, G99, and G100 standards.
- Handling applications to DNOs, DSOs, and ESOs, including NG Mod App and related procedures.
- Expert management of NG BELLA, BEGA, and BCA applications.

DESIGN & CONSULTANCY

Services List



UTILITY

- Infrastructure and Distribution Planning
- Feasibility Studies
- Power System Modelling & Simulations
- Renewables designs, including BESS
- Asset Health & Criticality Modelling
- Regulatory Reporting
- Standards & Specifications
- Network Optimisation
- Operational analysis & planning
- Grid integration of renewable energy
- Project Management
- Contract Management
- Protection studies & testing
- Grid Code compliance studies & testing
- Customer liaison and assessment of requirements
- Production and submission of connection referrals
- Scoping & Cost Estimating
- Quantity Surveying
- Production and issuing of quotations in accordance with GSoP timescales
- Health & Safety Management
- Tender assessment
- Outage Planning & Coordination
- Site Supervision
- SAP Duties

DEVELOPER/CONTRACTOR

- Power demand assessments
- Management of Point of Connection applications (DNO & Customer)
- Peer review of connection offers and compliance with CCCM and GSoP
- Dispute resolution and the management of Ofgem determinations
- Reactive power planning and testing
- Power system & power station electrical planning
- Grid Code Compliance Studies
- Renewable Energy Integration
- Principal Designer
- Assistance with tender submissions
- Assessment of subcontractor tenders
- Project Management
- Programme Management
- Contract Management
- Consents Management
- Scoping and Management of Utility Surveys
- Interface Management
- Scoping & Cost Estimating
- Quantity Surveying
- Management System review and enhancement
- Compliance
- Health & Safety Management
- Environmental Impact Assessments
- Environmental Management Plans
- Management of IDNO offerings



CONSTRUCTION Services

Walker & Watts Limited, an innovative Independent Connection Provider, is accredited under the National Electricity Registration Scheme managed by LRQA. Specialising in comprehensive construction solutions in both civil and electrical sectors, we advance the infrastructure of today's energy and utility needs.

Accredited to handle all tasks from New Connections to Diversions for DNO/DSO/IDNO adoption, we lead the way in integrating renewable technologies across residential, commercial, and industrial settings. Our commitment ensures expert project management from inception through to operation and maintenance, embodying a tradition of excellence and complete service delivery.



Design & Build Projects

- Turn-Key Solutions: Complete Design and Build services for electrical and civil works from Low Voltage (LV) up to 132kV.
- Dual Roles: We function efficiently as both Principal Designer and Principal Contractor under CDM Regulations.



Multi-Utility & Main Contracting

- Comprehensive Coverage: Offering multi-utility solutions (MURS), including Mechanical and Electrical (M&E) fit-out.
- End-to-End Construction: Handling everything from Civil Engineering to Cable Installation, and from Substation Construction to Maintenance of Private Networks.



Renewable Energy Developments

- Solar Power: Expansion into EPC works for large-scale solar projects.
- EV Charging Stations: Provision of state-of-the-art Electrical Vehicle charging solutions.
- Battery Storage: Implementation of Battery Energy Storage Systems (BESS) to enhance energy sustainability.



Telecommunications & Network Services

- Advanced Connectivity: Installation of underground telecommunications, SCADA systems, Hydra Panels, and Fibre Networks.

DESIGN & CONSULTANCY

Case Studies



1 HS2 Planning, Design, Compliance, PMO & Project Management Functions on behalf of UKPN

2 HS2 NERS Services to EKFB

3 UK Power Network Framework Consultancy Agreement for PMO, Design and Compliance.

4 EKFB Consultancy Agreement for NERS Related Services on the HS2 project

5 NPG Framework for Design, Engineering, Project Management and Commissioning Services

6 Installation, Testing & Commissioning of 11kV UK Power Network Substations for Clancy Group on behalf of EKFB/HS2:

Ellesborough Road | Nash Lee Road
Compound | Rocky Lane Compound | Small
Dean Conveyor | Wendover Batching Plant |
Durham Farm

CONSTRUCTION

Case Studies



1 Thaxted Solar Farm 36MW, 33kV ICP connection

2 Eynsham Solar Farm 21MW, 33kV ICP Connection

3 Arccott Solar Farm 15MW, 33kV ICP Connection

4 Oakwood Farm 11kV, 500kVA Connection

5 Chiswick High Street LV Residential IDNO
Connection to apartment block

6 Hinckley Road LV IDNO Connection

7 Crystal Palace Football Club

8 Framework Contracting
SP Energy Networks LV Modernisation Framework -
Turnkey Civil & Electrical Delivery Partner

ACCREDITATIONS



Delivering your Energy Efficiently, Safely and Sustainably.



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walkerwatts.co.uk