

ZENERGI.CO.UK

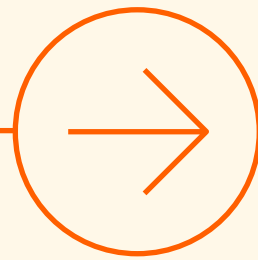
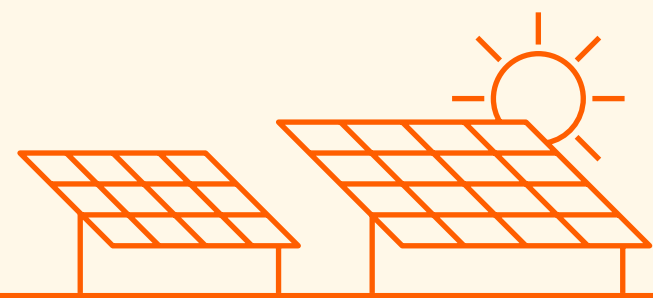
zenergi⁰

Engineering Design Services

Designing, connecting and delivering the infrastructure that provides long-term value through reduced energy and maintenance costs.

From your trusted energy partner





Mechanical, Electrical & Public Health (MEP) Engineering.

Our comprehensive MEP Design service integrates energy-saving measures into building design, leveraging renewable energy solutions and implementing decarbonisation strategies across residential, public and commercial buildings.

We collaborate closely with clients to deliver innovative, high-quality design solutions which optimise building performance, reduce running costs, minimise energy consumption and contribute to a more sustainable future.

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Your trusted infrastructure partner.

From initial feasibility studies through to design, utility connections and project delivery, our MEP Design specialists help you seamlessly navigate complex infrastructure projects.

By bringing together multi-disciplinary technical engineering expertise, we simplify delivery, reduce risk and provide a single partner to streamline your projects.



Designing buildings that perform today and are ready for tomorrow.

Successful buildings depend on more than strong architectural design. An efficient, comfortable and compliant building requires a carefully planned network of MEP systems that support day-to-day operations, occupant wellbeing and long-term performance.

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Whether you're developing new facilities, upgrading existing infrastructure or planning future growth, we provide the technical expertise, project management and utility coordination needed to keep projects moving.



How we help solve your challenges.

- Designing efficient building services for new developments
- Upgrading ageing infrastructure to improve reliability and performance
- Managing increasing energy demands and electrification projects
- Reducing operational costs and energy consumption
- Meeting sustainability and decarbonisation targets
- Creating comfortable, safe environments for occupants
- Ensuring compliance with industry regulations and standards
- Coordinating multiple disciplines and stakeholders throughout design and construction



We provide:

- Detailed design solutions, specifications and drawings
- Performance design solutions, specifications and drawings
- Feasibility studies
- Energy Statements
- Reports on other contractor's designs to ensure compliance with clients requirements.
- Asset surveys and registers
- Condition surveys and reports

Our MEP Design Services

Mechanical Engineering

We design mechanical systems that create comfortable, productive and energy-efficient environments while supporting the long-term performance of your buildings.

Our services include:

- Heating systems
- Ventilation systems
- Air conditioning and comfort cooling
- Chilled water systems
- Domestic water services
- Gas services
- Sprinkler and fire protection systems
- Low-carbon heating solutions
- Renewable energy integration
- Building decarbonisation strategies economically

Electrical Engineering

Our electrical engineers develop resilient and future-ready infrastructure designed to support operational performance, business continuity and changing energy requirements.

Our services include:

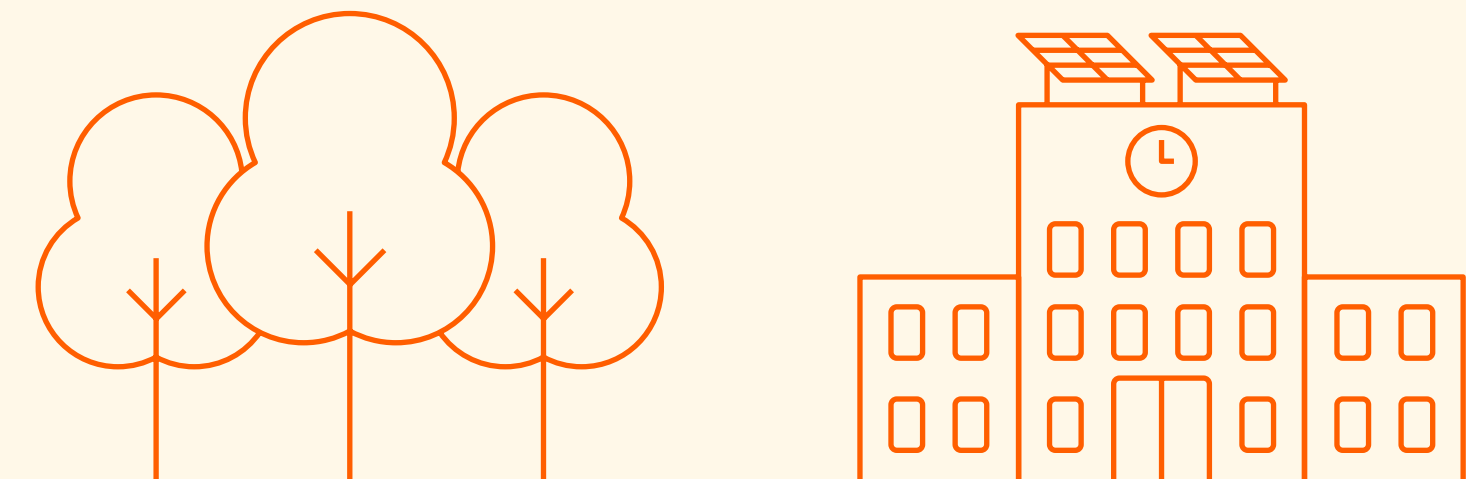
- LV and HV power distribution
- Internal and external lighting
- Emergency lighting systems
- Fire alarm systems
- Security and access control
- CCTV systems
- Structured cabling and data networks
- EV charging infrastructure
- Solar PV systems
- Battery storage solutions
- Renewable energy integration

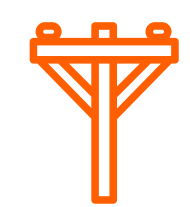
Public Health Engineering

Effective public health systems play a vital role in maintaining safe, reliable and compliant buildings.

Our services include:

- Domestic water services design
- Above-ground drainage systems
- Utility coordination
- Water efficiency solutions
- Technical surveys, assessments and Energy Statements
- Public health infrastructure design





Connecting your projects through Siteworks

Powering your developments

For many construction and development projects, utility infrastructure is one of the first critical milestones and often the most common cause of delays.

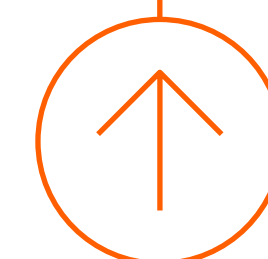
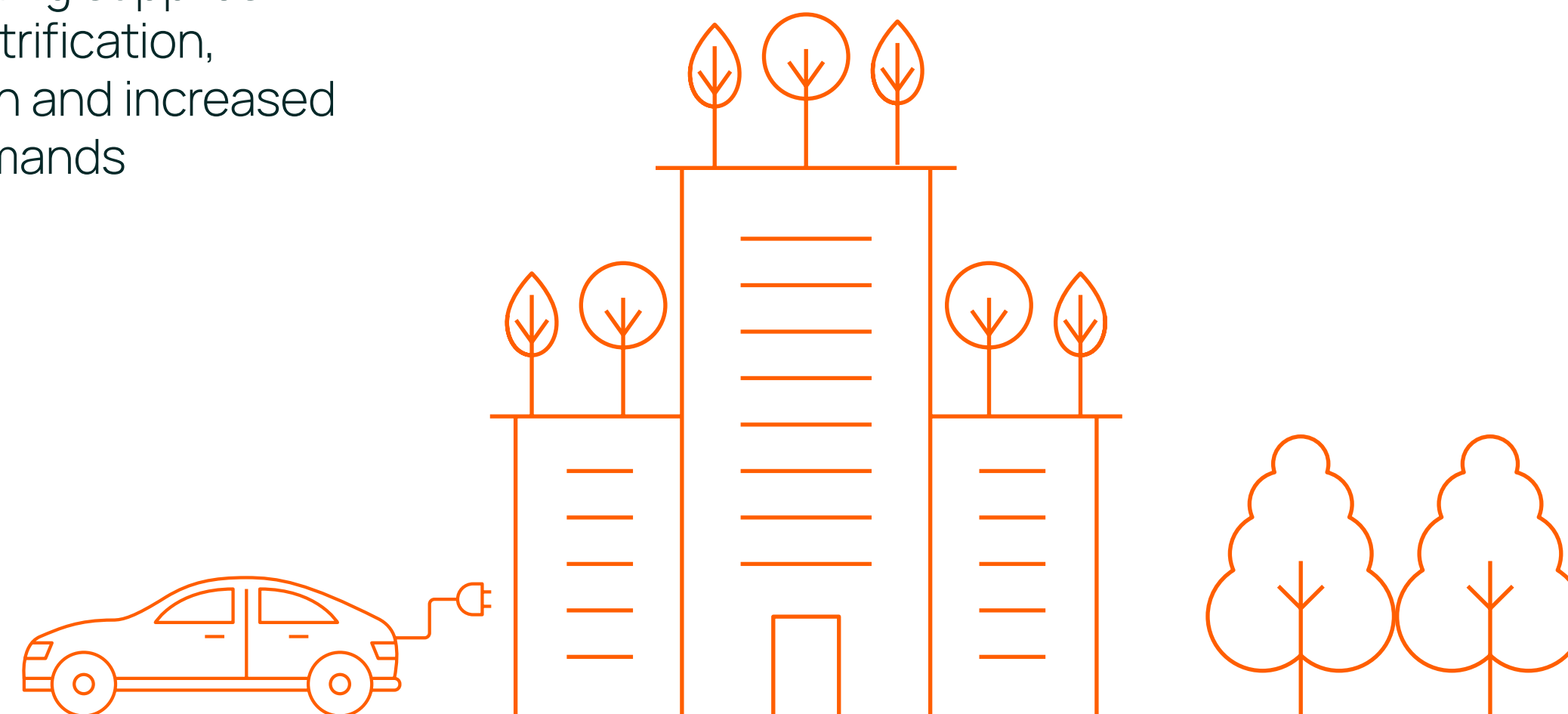
Whether you're delivering a new housing development, expanding a commercial property, upgrading a school estate or increasing capacity for future growth, securing the right utility connections can be complex, time consuming and difficult to navigate.

Multiple utility providers, lengthy application processes, network constraints and evolving project requirements can all impact timescales, budgets and delivery confidence.

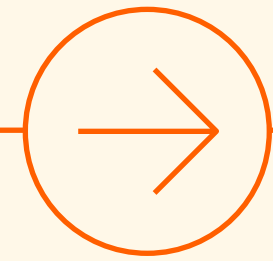
Our Siteworks specialists take the complexity out of utility infrastructure projects, providing a single point of contact from initial enquiry through to final connection.

Common challenges we help solve:

- Securing sufficient electrical capacity for new buildings, expansions and future growth
- Managing lengthy utility connection processes without impacting project timelines
- Identifying infrastructure constraints before they become costly project delays
- Upgrading existing supplies to support electrification, decarbonisation and increased operational demands
- Navigating complex utility provider requirements, applications and approvals
- Managing utility diversions and alterations required for site redevelopment
- Future-proofing sites to support evolving operational and sustainability requirements



Our Siteworks services



How we can help

We work closely with developers, contractors, landlords, property managers and estates teams to ensure utility infrastructure supports both immediate project requirements and future ambitions. From initial feasibility assessments through to energisation, we're with you every step of the way.

New services

Secure utility connections for new developments, extensions and infrastructure projects. We manage applications, approvals, network coordination and delivery to help keep projects moving.

Supply upgrades & alterations

When your existing infrastructure can no longer support operational demands, we'll manage capacity upgrades, supply alterations and network reinforcement works.

New connections

Our experienced team coordinates network operators, independent connection providers and contractors to deliver new utility connections efficiently and effectively.



An expert team at your side

Successful projects are built on the expertise of the people behind them.

Our multi-disciplinary team combines extensive experience in mechanical, electrical and public health engineering with a practical understanding of the challenges faced by developers, contractors and estate managers.

Led by Chartered and Incorporated engineers and supported by highly skilled designers and project specialists, we deliver compliant, efficient and sustainable building services solutions across a wide range of sectors.

Our team brings together decades of experience in building services design, energy infrastructure and project delivery, providing clients with confidence that projects are in capable hands from concept through to completion.

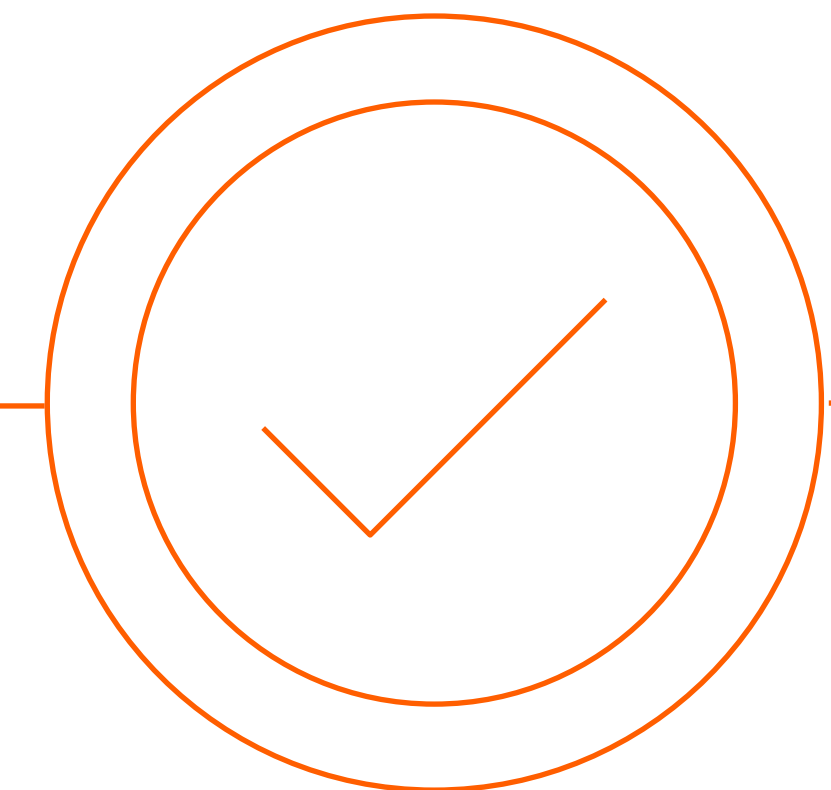
From initial feasibility studies and RIBA Stage design through to construction support and handover, we provide clear technical guidance, responsive communication and a commitment to delivering high-quality outcomes at every stage.

What sets us apart is the breadth of expertise available within a single team. Alongside our MEP engineers, dedicated utility and siteworks specialists provide expert advice, project management and delivery support to help keep developments on track.

Working collaboratively, our teams coordinate utility connections, energy infrastructure, meter installations, civils works and on-site delivery activities, ensuring seamless integration between building services and external infrastructure requirements.

Together, our MEP and Siteworks specialists provide the technical knowledge, practical experience and professional standards needed to deliver compliant, efficient and sustainable developments, helping clients reduce risk, improve project certainty and achieve successful outcomes.

- **Chartered & Incorporated CIBSE Engineers**
- **Decades of combined industry experience**
- **End-to-end support from feasibility to completion**
- **Integrated MEP, utilities and siteworks expertise**



MEP Design in practice

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Future-proofing a 90-year-old bus depot with sustainable MEP design.

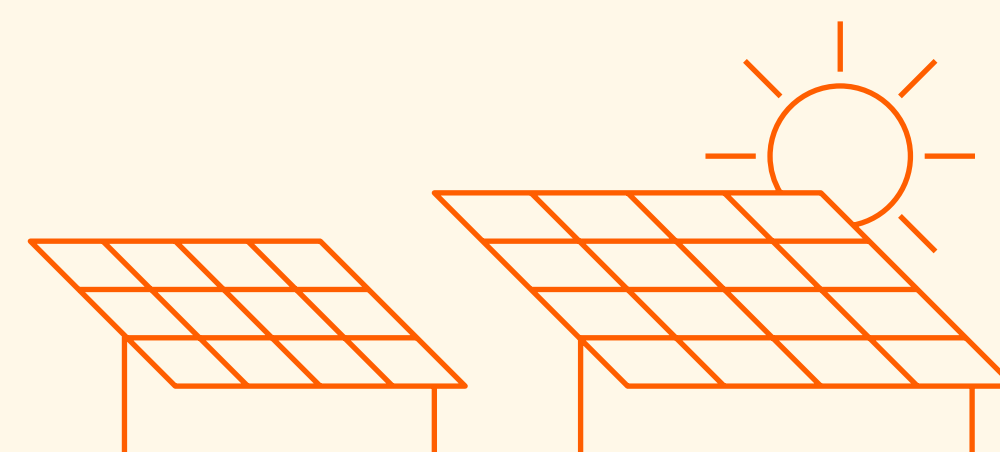
National Express West Midlands wanted to redevelop its 1932 Perry Barr depot to create a modern, sustainable facility capable of supporting future transport demands while improving operational performance and employee wellbeing.

Working alongside Birmingham City Council and contractor BAM, our team delivered the MEP design for a new 6.5-acre depot, accommodating more than 170 buses across maintenance, fuelling and wash facilities.

Our design combined low-carbon and renewable technologies, including solar PV, air source heat pumps, electric radiant heating and Variable Refrigerant Flow (VRF) systems, eliminating the need for gas on site and creating a highly efficient operational environment.

Sustainability was embedded throughout the development, with a biodiverse green roof, rainwater harvesting, water recycling systems and acoustic solutions designed to reduce environmental impact while enhancing the workplace for 450 employees.

The infrastructure has been designed to support the transport sector's transition to zero-emission vehicles, providing EV charging capacity for an electric bus fleet.



150
Solar PV
panels

432m²
Green
roof

14
Electric vehicle
charging bays

MEP Design in practice

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A state-of-the-art, energy-efficient health centre for Henley Green.

We helped the team at Henley Green Medical Centre use a £1.4 million NHS grant to double the size of its practice, creating a facility that would use 'healing architecture' principles to promote wellbeing, with low carbon technology built in to reduce environmental impact.

This wasn't your typical refurbishment project. It demanded technical expertise across multiple dimensions: part of the building needed refurbishment, another section was entirely new-build and a third section – the pharmacy – required immediate fitting for lease.

All of this needed to be done with a focus on reducing environmental impact, and lowering energy consumption and costs.

Working collaboratively throughout, we helped create a brighter, more welcoming

and sustainable building. Energy-efficient LED lighting provides a positive environment for patients and staff.

We also installed a Variable Refrigerant Flow (VRF) heating and cooling system, allowing individual zones to maintain different temperatures, improving efficiency and comfort while reducing energy use and costs.

Together, we created a medical centre that cares for people and planet, with more efficient heating, lighting and hot water systems.

The new atrium floods the space with natural light, while reduced carbon emissions, lower operating costs and improved efficiency will help the facility serve its community sustainably for years to come.



“Zenergi has provided us with a building that enables us to fulfil our vision of delivering a high standard of patient care.”

Dr Shiv Dhawan
Owner
Henley Green Medical Centre

MEP Design in practice

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Victoria Point's 216 luxury apartments: future-proofed by smart design.

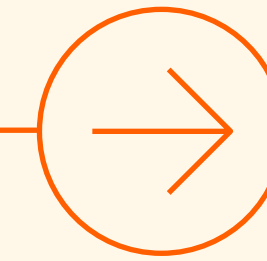
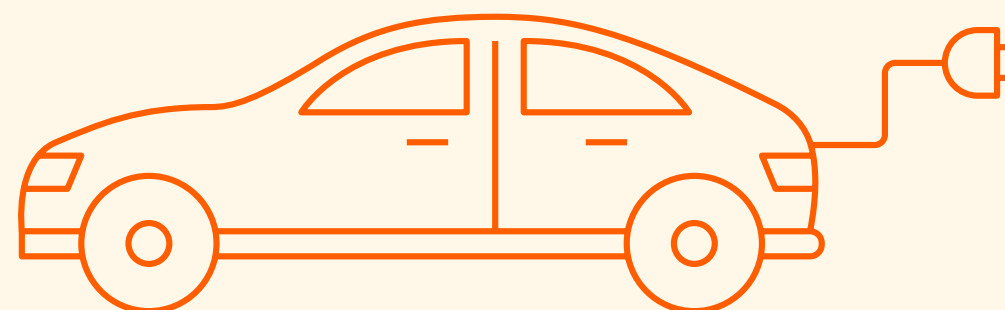
Victoria Point is a development of 216 luxury apartments in the heart of Ashford, close to the train station. Elevate Property Group and Naismiths construction consultants wanted to reduce its environmental impact and brought Zenergi on board.

We delivered comprehensive MEP services, putting sustainability at the heart of this flagship development.

Working closely with Elevate Property Group, Naismiths and delivery partners, we developed an approach that combined luxury living with environmental benefits, drawing on more than 30 years of low carbon engineering expertise.

We focused on reducing long-term energy consumption. This included a district heating network serving all 216 apartments, energy-efficient LED lighting and electric vehicle charging points. We also managed new metered utility connections.

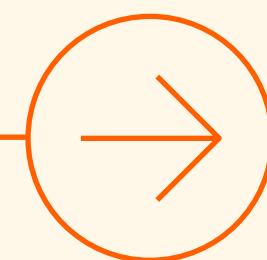
The result is a luxury development with sustainability built in. Energy Performance Certificates confirmed its efficiency credentials, while low carbon technologies support long-term energy efficiency and EV charging infrastructure helps future-proof the development.



“Zenergi’s industry and sector expertise was evident from the start, allowing them to quickly familiarise themselves with the project goals and effectively produce the designs.”

Gareth Belsham
Director Head of Building Consultancy
Naismiths

MEP Design in practice



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Energy Audit lights up £3,000 in savings for Vaughan Primary School.

Vaughan Primary School in Harrow, London, has been educating the community's children for more than 100 years. With over 600 pupils across two buildings, the school knew it had to get smart about rising energy costs and its environmental impact.

The school partnered with Zenergi to explore energy-saving opportunities and opted for an Energy Audit to develop a strategy of measures.

It provided a clear roadmap for improving efficiency, identifying opportunities to decarbonise heating and reduce energy waste. Each recommendation included projected costs, savings, carbon reduction and return on investment.

One of the most impactful findings of the audit was how an LED lighting upgrade could deliver a £2,950 annual saving.

We handled everything – from designing the solution to managing the tender process and overseeing installation. This ensured the school got the best value for its investment while moving the project forward quickly and smoothly.

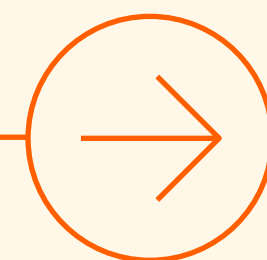


“The entire process was seamless and efficient. The tender management process presented us with the best options in terms of cost, quality and reliability, particularly when compared with Local Authority endorsed suppliers.”

Kirsten Beaven
School Business Leader
Vaughan Primary School



Siteworks in practice



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Powering a historic dining hall for St John's School.

St John's School is an independent co-educational day and boarding school founded in 1851 and based on a 50-acre site in Leatherhead, Surrey.

Its estate blends Victorian heritage with modern architecture, with ongoing refurbishment often requiring energy infrastructure changes, including new connections, upgrades and disconnections.

Zenergi has supported St John's School's energy requirements for several years, from securing energy and water contracts to Bill Validation.

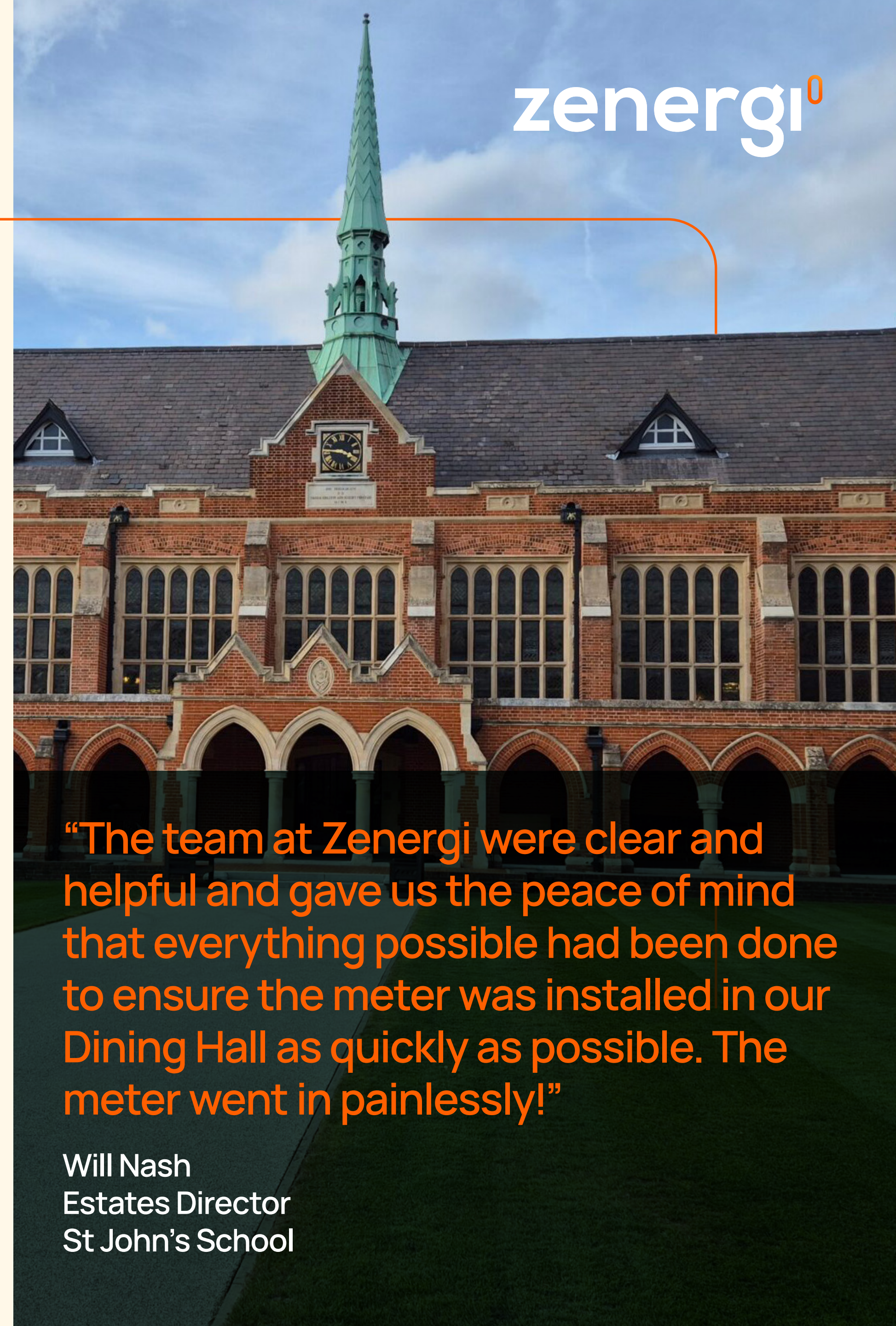
When the school decided to upgrade its impressive dining hall, they contacted us for support with the installation of a new meter.

A meter exchange may sound simple, but it can be highly technical, requiring coordination between suppliers, contractors and metering providers. Without effective project management, timelines can quickly slip.

We gathered the essential technical details from the school's electrical contractors and guided the estates team through each stage. By coordinating communication and simplifying the requirements, we kept the project on track and stress-free.

Our established relationships with suppliers and metering providers helped accelerate the installation, ensuring the new dining hall had power when needed.

St John's School could focus on the opening of its upgraded facility instead of chasing paperwork and delays.



“The team at Zenergi were clear and helpful and gave us the peace of mind that everything possible had been done to ensure the meter was installed in our Dining Hall as quickly as possible. The meter went in painlessly!”

Will Nash
Estates Director
St John's School

Need a partner to deliver on your projects?

Winning large-scale construction projects often depends on having access to dedicated specialist expertise at the right time.

However, maintaining a full in-house M&E design capability can be costly, resource-intensive and difficult to scale as project demands fluctuate.

Our Partner Channel provides construction firms, principal contractors and specialist contractors with flexible access to experienced MEP professionals when you need them.

Acting as an extension of your team, we help you strengthen delivery capability, increase capacity and provide technical expertise across projects of any size or complexity.

Whether you need support for a specific project, additional resource during peak periods or a long-term delivery partner, we can integrate seamlessly into your existing project team.



Simon Watts
Partner Manager

Having access to skilled M&E resource can often be the difference between keeping a project on track or facing costly delays.

Our service is designed to provide a trusted extension to your team, providing flexible access to experienced engineers to streamline your projects.

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“The level of service shown is always to an extremely high level & always very professional.”

**Commercial Director,
Dodd Group**

“Very professional team who actually care about their work.”

**Mechanical Project Manager,
Centrica**



Standards
you can
trust.

We follow established quality, environmental and health and safety processes to help ensure consistent delivery, effective risk management and positive project outcomes.

Our commitments to quality and compliance:

RIBA stages of design

Our projects are aligned with the RIBA stages of design, allowing seamless progression from feasibility, through design to completion and post-completion.

ISO 9001 Certified

Our quality management systems ensure we deliver a consistent, customer-focused service, underpinned by robust processes and continuous improvement.

ISO 14001 Certified

We are committed to minimising environmental impact and embedding sustainable practices throughout our operations and project delivery.

CHAS Veriforce SSIP Accredited

Demonstrating our commitment to health and safety management and compliance with recognised industry standards.

Constructionline Silver Member

Independent verification of our credentials, governance and compliance standards gives you confidence in our capabilities and approach.

Our values demonstrate our commitment to helping you achieve your goals and what you can expect from us.

These are not just words on a page; they guide every action we take as individuals and as your trusted engineering partner.



Act with
integrity



Inspire
real action



Challenge
the norm



Strive
for value



Go beyond
service



Ready to discuss your project?

Contact our specialists today to explore how our design services can support your next development.

hello@zenergi.co.uk

