



Sector Expertise & Highlights

Residential




RESIDENTIAL

We have a long trading history of delivering high-end developments throughout London and the South East.


Setting the Standard

 We are focused on innovation and low energy design solutions.

Working with our clients to create environmentally resilient and sustainable built environments.

 We offer specialist engineering teams selected specific to your sector.

We provide skilled technical project management that can deliver exceptional standards.

 We set new standards for digital and virtual engineering.

In-house developers, technologies and digital tools that offer a sustainable pathway for data driven project delivery.

Supporting Zero Carbon Initiatives

Energy Compliance

WELL / LEED / BREEAM & Others

Offsite Assembly

Sustainability Management

High-End Schemes

MEP Services Installation

Commissioning Management

Aftercare

Digital Engineering

Point Cloud

BIM

Application Development

Visualisation & VR



Gary Dew
Executive Director

Group Board Member, Gary Dew leads our residential sector and oversees several skilled and professional delivery teams that have a proven track record of successful projects.

With a vast knowledge of building services installation, and over 40 years' experience, the quality of projects delivered by Gary speaks for itself. His work on medical facilities, schools, hotels, offices, theatres and many high-end residential schemes has made ESG an industry leader within this sector.

Gary and his teams actively work to integrate offsite assembly and DfMA solutions into their projects wherever beneficial and his quicker, safer, greener delivery ethos is managed and delivered through ESG's own assembly facilities.

OUR SKILLSET

The Residential Sector has always been an area of strength for the business, delivering an average of £60+ million worth of projects annually.

Our diverse list of clients includes Mace, Multiplex, Wates, Ellmers, Berkeley Group, Kingscote, Chalgrove, Morgan Sindall, Native Land and Knight Harwood, many of whom we pride ourselves as having long, successful relationships with.

Key to our success includes a demonstrated commitment to:

- Health & Safety Ownership.
- Pioneering Offsite Assembly.
- Complete 'Concept to Completion' Engineering.
- Skilled BIM & Design Management and Delivery.
- Full Building Lifecycle QA.
- Apartment & Landlord System Delivery via Commissioning Management.
- Full Client training for a smoother transition and Aftercare Management.

We provide a solid company structure with a Senior Operations and Board Director involved in each project from the Enquiry Stage through to Client Handover.

The appropriate residentially-experienced team will be selected to suit Client, value, delivery style and end-user expectations, and all with the same ESG mentality to deliver to a level that exceeds the Clients' expectations.

Team engagement from the earliest opportunity is focused to identify and reduce risk, engineer positive opportunities, resolve issues and set high standards. This is paramount to the ESG methodology.

Our BIM Strategy and management is exceptionally strong with a skilled team that perfectly supports our project delivery. This includes:

- Design to Construction with Intelligent 3D Modelling.
- Full Lifecycle Assessment Analysis.
- Facilities Management.
- Quantity Take-Off & Costing.
- Highly detailed and realistic visualisations.
- Safety Planning.
- Clash Detection.
- 4D- Scheduling.
- Procurement data.
- Supply Chain Management.
- Simulations for Energy Performance, Fire etc.

Integrated Turnkey Solutions

Client-focused Delivery

Energy Efficiency & Sustainability

Compliance & Quality Assurance

Trusted Partner for Residential Delivery

PROJECT INSIGHTS



London Landmark
Redevelopment



BATTERSEA POWER ST.

Grade II Listed Building

M&E Shell & Core

98 High-End Apartments

Switch House West was the first section of the Grade II listed building to reach completion, respectfully restored by architect WilkinsonEyre.

First home to the power stations main switch gear, laboratory and battery rooms, the development now has 98 new apartments that retain much of the original features and character. MEP delivery needed to work seamlessly with exposed surfaces and the outstanding results are testament to the skills, commitment and dedication of the ESG project delivery teams involved.



Prime Location:
Hyde Park Meets Mayfair



MARBLE ARCH PLACE

ESG Lead BIM Coordinator

M&E Fit-Out

54 Apartments & 2 Penthouses

The Bryanston consists of an 18-storey residential tower, with 54 apartments and a 7-storey commercial building providing over 95,000 sq. ft. of office space. ESG were proud to be part of this enviable residential and commercial address where the sophistication of Mayfair meets the calmness of Hyde Park.

The apartment fit-out including 2 penthouses, benefit from our commitment to using offsite assembly wherever possible. A total of 228 preassembled utility cupboards were incorporated into the scheme which included The BTI Penthouse, worth a staggering £130m alone, having 8 bedrooms fitted out with the latest MEP systems including 8 separate MVHR systems.



Regeneration Area:
'Canary Wharf
Masterplan'



8 HARBORD SQUARE

Exposed services, New York loft style

Full M&E

82 Apartments & 2 Penthouses

Wood Wharf comprises a mix of offices, boutique retail, restaurants and green spaces interspersed with residential buildings. Design is inspired by the industrial warehouses of the docklands area, featuring exposed services, brick and concrete.

A 12-storey block, G7 works consisted of full M&E exposed services requiring exceptional attention to detail, shell and core and the site-wide MEP infrastructure, plus fit-out of 82 New York loft-style apartments, including 2 penthouses and 10 retail spaces.

Our offsite assembly team delivered prefabricated wall modules for typical utility cupboard equipment, coordinated to the apartments joinery fit-out resulting in an efficient and seamless installation.



Regeneration Area:
'Greenwich Peninsula
Masterplan'



GREENWICH PENINSULA

World-Renowned Architects


Full MEP

1000 Apartments Over 5 Blocks

London's largest single regeneration project. Upper Riverside overlooks the River Thames and Emirates Air Line this development provides new homes and public spaces over seven separate communities.

The £8.4 billion transformation of the Peninsula provides almost 16,000 new homes and is home to Central London's first major film studio, a new design district, schools, offices, health services, and public spaces. This included an elevated five kilometer running track that weaves through the different features of the development and is set off by the custom-made lighting scheme installed by our expert team.

PROJECT INSIGHTS



London Tech Hub:
'East London Tech City'



THE ATLAS BUILDING

38-Storey Tower


MEP Shell & Core

302 Apartments

Located nearby to London's Old Street and Moorfield's Eye Hospital, 145 City Road consists of 302 apartments and 10 floors of office space.

ESG provided a full MEP delivery consisting of connections to district heating system, chillers, fan coils, air handling units, HIU's, LTHW, CHW, boosted cold water, soil and vent, rainwater, mains distribution, small power, BMS, lighting and external lighting, lighting control.

Extensive use of offsite solutions was also incorporated into the scheme with the inclusion of preassembled utility cupboards and services distribution.



Regeneration Area:
'Nine Elms Masterplan'



N6 NINE ELMS

18-Storey Tower


M&E Fit-Out

15 Luxury Apartments & 2 Duplexes

Nine Elms Square, or One Thames City as it will publicly be known, will be formed of 12 tall buildings with over 1,400 new homes, shops, restaurants and commercial spaces and 2.5 acres of public open space within Linear Park. It is integral to the regeneration of the wider area and close to the new Nine Elms tube station under construction for the Northern Line extension.

Building N6 consists of an 18-storey residential tower of luxury Manhattan-style apartments and world-class amenities.

ESG are provided M&E fit-out of 15 luxury apartments (1 per floor) and 2 duplexes, reception fit-out and landscape lighting works.



Cultural / Heritage Area:
'Mayfair Art District'



BURLINGTON GATE

Supporting 'Royal Academy of Arts'

MEP & Cat B Fit-Out

42 Uber-Prime Apartments

Redevelopment of a 90,000 sq ft commercial building into contemporary, uber-prime residences, set withing London's most established art gallery district.

ESG provided MEP shell and core, and Cat B fit-out services to 42 high-end luxury apartments, triple level basement car park, and a leisure area, including gym and swimming pool. Interconnected by a hidden courtyard in the centre of the building.



Regeneration Area:
Gascoigne Estate



GASCOIGNE WEST | P2

'15-Minute Neighbourhood'

M&E Shell & Core

355 Apartments & 31 Townhouses

The Gascoigne Neighbourhood focuses on placemaking, affordability, and providing community amenities to create a neighbourhood, not just a home. Homes have been designed to be tenure blind to promote inclusivity while providing safer, healthier, and sustainable homes.

'Be First' is the urban regeneration arm of Barking & Dagenham Council, and in partnership with Wates Residential are committed to bosting affordable housing.

During Phase 2 works, ESG provided M&E shell and core installation, including fit-out, to 355 mixed-rent apartments, plus 31 mixed rent townhouses, including external car park and outdoor communal areas.

BIM

Delivering different levels of BIM maturity for almost two decades.

Background

During the steady increase of project deliverables, the group has evolved with new technology, embracing advancements made in the BIM process for end-user benefit and for achieving a successful outcome.

Each project delivery team, trained to a minimum digital standard is equipped with the necessary resources to work within the BIM process, typically making use of Revit MEP, AutoCAD and Navisworks as a minimum with almost every project undertaken now including some element of BIM. We have varied experience with 4D, 5D and 6D delivery and can work with each where applicable, subject to project requirements.

We believe the process needs clear communication, well thought out planning and committed execution. A clearly defined responsibility matrix works alongside the project Execution Plan, ensuring we provide only what is beneficial to the project and end-user.

The group has experience of delivering BIM to Level 2 standard across a diverse range of industry sectors where projects have required high levels of modelled data and attributed information provided in Excel and COBie formats.

BIM delivery has been successful because of the following key elements:

- We have skilled engineering coordinators, capable of delivering BIM to level 2 standards and continually monitor progress to target areas for improvement.
- We embrace the key elements of BIM by working in an open and collaborative manner, working together to achieve the correct result.
- We can deliver expectations, in line with the projects BIM Execution Plan, providing modelled data in compatible open-source formats.
- We work within shared data environments, assigning the required asset data to our model files and associated documentation, providing the very latest information to our site teams.
- We continually pursue the use of BIM where it offers true benefit, not simply because we can.



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