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Overview

Our earth moving and remediation capabilities are trusted by some of the country's most respected contracting institutions. Having been involved with many large schemes, we are equipped with the latest advances in both earthmoving and aerial surveying technology. Able to operate as a principal contractor, we offer a collaborative and innovative approach that encompasses 3D and 4D visualisation, BIM and GPS tracking and delivers land parcels ready for infrastructure and construction works to commence. Continuing investment in our plant fleet has allowed us to keep pace with changing technologies to bring environmental and operational efficiencies.

Following on from earthworks and remediation we offer integrated infrastructure delivery providing innovative solutions through efficiency and maintaining our focus on our clients. Highway construction, drainage, service installation and utilities management and coordination are within our capabilities generally as principal contractor either under traditional or design and build forms of contract.

Why Erith?

» Exemplary health, safety, quality and environmental performance
 » Collaborative approach
 » Modern and extensive fleet of plant
 » Financially robust
 » Multi-disciplined market sector experience
 » In-house temporary works design team
 » All services provided in-house
 » Accredited in-house training division
 » 3-year asbestos licence
 » Multi-disciplined workforce
 » Market leading circular economy schemes
 » Regional offices and nationwide coverage

Services

Erith provides a complete range of Enabling Services from the very earliest planning and budgetary advice, through to feasibility services, advice on temporary and remedial works. We are also able to integrate these services to provide a fully coordinated singlesource solution.

We have an excellent track record across the full range of these services.



Haulage & Logistics

» Excavation and Deep Disposal of all Soil Types
» Haulage
» Recycling
» Complex Sorting
» Waste Management
» Crushing and Screening
» Aggregate Supply
» BS ISO 39001:2012
» CLOCS/FORS



Earthworks & Infrastructure

- Bulk Earthworks
- Road Construction
- » Alternative Pavement Design
- » Deep Drainage
- » Aftenuation System
- » Directional Drilling
- » vax-ex service Localior
- Service Installation
- » Adoptable Highways
- » Hara ana sott Lanascapi
- » Public Realm Work



Engineering & Geotechnical

- » Temporary Works
- » Deep Basements, Inclusive of Pile Design, Propping and Permanent Works
- » Façade Retention Schemes
- » Retaining Walls
- » Specialist Structural Elements » Contractor Delegated Design Elements
- » Geotechnical and Ground Movement Analysis

Remediation & Gasholders

 » Bio Remediation
 » Ground Water Treatment
 » In-situ and Ex-situ Ground Validation
 » Ground Stabilisation
 » Enhanced Complex Sorting
 » Ex-situ Bio-auamentation



Construction Solutions

- » Core Reconfigurations
- » Facade Dismantlina
- » Soffit Repairs
- » Internal Blockwork
- » Steelwork
- » Secant, Contiguous and Sheet Piled Walls
- » CFA, Driven and Displacement Piles
- » Pile Caps and Ground Beams
- » Restricted access piling
- » Composite and reinforced slabs
- » Bulk Earthworks and Disposal
- » Basement Excavation
- » RC substructure works
- » Foundation Construction » Suspended and Ground Bearing
- Floor Slabs » Storm and Foul Water Drainage
- Installation

Demolition

» Soft Strip
» Structural Alterations
» Demolition
» Deconstruction
» Post Tension EP Concrete
» Bridges and Viaducts
» Deplant
» Protection of Listed/Heritage Elements
» Façade Retention
» Dismantling
» Mechanical
» High Reach
» Top-down Controlled



Asbestos Removal

» Asbestos Removal
 » Decontamination
 » Pre-demolition Surveys
 » Thermal Insulation
 » Emergency Response
 » Reinstatement
 » Site Investigations
 » Fire Proofing
 » Air Monitoring

» Remedial Works

Sectors

Erith operate in a broad range of market sectors. As a business we pride ourselves on adapting to an array of working environments; providing solutions to the most technically demanding schemes within the industry.

In recent years, we have worked on some of the UK and Ireland's most complicated projects in terms of scale and complexity. As a group, we have completed various high-profile projects within both the public and private sectors. These include Ebbsfleet Garden City, Paddington Square. Old Oak Common, London Olympia, One Sherwood Street, and the Olympic Park.

We have, since incorporation, prided ourselves on our customer focused approach. This is demonstrated by the amount of repeat business we receive from clients, either in formalised framework arrangements or competitive tendering.



Retail/Leisure

- » Shopping Centres
- » Mixed Use Redevelopment
- Schemes



Industrial

Pharmaceutical
 Manufacturing / Plants
 Utilities
 Substations
 Industrial Estates

a structure lite

Transport

» Section 278 Contractor Works

Residential

» Tower Blocks » Community Centres » Regeneration Schemes » Leisure Centres/Schools » Occupied Housing



Public Sector Properties

» Hospitals » Educational Premises » Leisure Centres **Energy** Jclear

» Renewables



Urban

» Commercial » Government Buildings » City Centre » Asset Protection

» Redevelopment

» Bridges

Employee Ownership Trust

2016 marked our 50th year in business, an achievement remarkable in itself but made even more exceptional by the transition to an Employee Ownership Trust (EOT), the first construction company to do so in the UK.

This major event in the company's history has been implemented smoothly and efficiently and will serve to maintain and embellish our long-established company ethos and culture which has stood the test of time and will continue to do so well into the future.

Results of EOT bonuses to date: £4.4M



AST AIDER

Key Contacts



Steven May Group CEO

As Group Chief Executive Officer, Steven is responsible for the strategic planning and operational management of the Group.

During the 18 years that Steven has been involved in the construction and demolition industry, he has gained wide ranging experience in a number of sectors, including both consultancy and contracting.

Prior to his current role, Steven has been the Board Director responsible for the London portfolio for over ten years, and during such time has generated an enviable reputation in relation to large scale complex demolition, enabling, and basement construction schemes ranging in value up to £76m.



Steve Martin Director

Steve is Director of our Remediation division, responsible for sustainable operational delivery, quality and financial performance.

He has had considerable experience within all our divisions whilst being responsible for the delivery of numerous high-profile projects.



Jamie McGahan

Jamie has been involved within the construction industry for over 18 years. Within a commercial discipline, Jamie has been employed within a range of roles - from surveying to commercial management. Jamie's experience within the field of commercial management involves leading teams and business units across a variety of construction projects including new build, cut and carve, and fit out within various sectors inclusive of education, hospitality, leisure, commercial, office and retail.

As Group Commercial Director, Jamie's responsibilities include the overall management of all commercial matters across the Group's portfolio. This role incorporates group commercial strategies, commercial reporting and commercial support to the commercial and delivery teams across the group.

Andrew Waldron

Operations Director

Andrew brings more than 20 years of experience to his role as Operations Manager within our Earthworks and Infrastructure team.

Specialising in large scale infrastructure and bulk earthworks contracts, he is responsible for the operational delivery of our projects. Andrew oversees resource allocation and ensures safe and seamless performance that exceeds stakeholder expectations.



Alasdair Wilson-Smith Preconstruction Manager

Alasdair has over 20 year's experience in the construction industry, managing complex projects from tender stage through to completion.

As Preconstruction Manager, Alasdair is responsible for managing the preconstruction process. He oversees the planning and coordination of preconstruction activities, ensuring projects are set up for success from the outset.

Ebbsfleet - Off-site Infrastructure

To aid the connectivity of the site and to prevent congestion on the local road network, we have provided a number of local road improvement schemes across Ebbsfleet Garden City. These improvements enable improved accessibility around the area for existing residents, and the Fastrack buses connecting Bluewater Shopping Centre and Ebbsfleet International.

Southfleet Road Roundabout is a new four arm roundabout constructed off line and consisted of:

- 500m two lane carriageway
- Gas main diversion
- HV and LV diversion
- n diversion Dir
- Direction drill new water main
 Stormwater attenuation basins

The Southfleet Road widening consisted of:

- Three entrances to Castle Hill and Ebbsfleet Green
- 600m footpath improvement Relocated bus stop
- Two controlled pedestrian crossings
 Pedestrian connectivity to Ebbsfleet
- One uncontrolled pedestrian crossing International

Hedge Place Roundabout improves and increases the capacity of an existing roundabout and consisted of:

- New arm providing entrance to Alkerden
- Increased size of existing arms
- Two controlled pedestrian crossings
- Gas and watermain diversion
- Gabion retaining walls

All of the many phases of these works involved extensive precontract liaison between us and Kent County Council to ensure the necessary traffic plans satisfied all parties requirements and did not impact on other schemes in the area. Works in this area are subject to an "embargo" by Bluewater Shopping Centre, meaning we have to plan our works to not have any road restrictions in December and January.

> During the construction phases constant liaison and communication was maintained between us, Kent County Council, other contractors and stakeholders.

Ebbsfleet - Earthworks

At the turn of the century plans were announced by the aovernment to create a new town in North Kent, consisting of up to 15,000 new homes, 6 million ft² of commercial space and 3 million ft² of retail, leisure, community and education facilities based within the former chalk auarries and cement manufacturing facilities in the area.

The location chosen was close to the M2 / M25 junction, the Queen Elizabeth II bridge and the new H\$1 and Eurostar terminal. In 2014 these plans were formalised, and Ebbsfleet Garden City was born.

One of the primary areas for development is Eastern Quarry which covers 660 acres and is one of the UK's largest residential schemes with permission for 6,250 homes, two education campuses. and several local retail and community facilities.

To facilitate the development platforms and to allow for the delivery of the necessary infrastructure for a scheme of this scale we commenced on the earthworks phases of the project in 2018 for Landsec. The earthworks are due to complete in 2023 and will involve;

- 176ha ecological management and destructive search
- 450,000m³ screening unsuitable material
- 6,400,000m³ excavation and filling in permanent position
- 525.000m³ of lake bed and settlement tank material stabilised
- 2,600,000m³ stockpile relocation
- 150.000m³ rock chalk excavated

GErith

One of the unmistakable features of the site is the very large Western Cross lake that needed draining. The lake contained some six billion litres. We developed a pumping strategy that has meant we have constructed 12km of pumping main out to two new outfall headwalls on the Thames foreshore on the Northfleet peninsula. Over 1km of these mains were directional drilled to preserve a SSSI and to prevent disruption to a Network Rail bridge.

Ebbsfleet - Public Realm Works

The planning permission for Ebbsfleet Garden City ensures that all the developers provide both formal play areas and informal green spaces. Community areas and other public realm improvements feature highly in the development.

Central to Castle Hill is the Cherry Orchard Community Centre which provides a focal hub next to the Primary Academy. The Village Green has three tennis courts, an amphitheatre style event space and a children's castle playscape and adventure playground. The Linear Park is the connective space between the development and Castle Hill Lake which provides a new promenade, two floating jetties, a boathouse and a 2km green nature walk around the lake. The Country Park has a bandstand and a large picnic area.

Other areas in the development are designed to provides quiet reflective spaces or to allow for informal family gatherings.

To provide a walking route to the Thames we have refurbished some of the old quarry tunnels and created a land bridge in Craylands Gorge.

There has been a large investment in public art in many of the public areas. To reflect the evidence of the iron age settlement found on the site, the Country Park features sculptural flint tools and implements and the community centre has the statue of an iron age man. The archaeologists were very pleased to find fossilised woolly mammoth remains and these are celebrated by the statue of the mother and baby mammoth on Whitecliffe Road.

> Works have commenced on the deconstruction and rebuild of the 16th listed Alkerden Barn and the construction of two pavilions to create a new community sports and activity area to be called Alkerden Park.

Ebbsfleet - On-site Infrastructure

As the earthworks phases progress the works turn to the delivery of the primary infrastructure to service the development parcels.

The local Fastrack bus service between Gravesend and Dartford runs through the site and as well as constructing the dedicated road network for the buses we will be involved in the construction of a 100m long tunnel through a chalk escarpment to divert the buses into Bluewater shopping centre.

To allow early delivery of the Fastrack, and to aid the pumping of Western Cross lake, over the winters of 2019 and 2020, we deposited 520,000m³ of material to form causeways across the lake.

To underlie our sustainability ethos all of the materials used in the roads and footpaths are recycled with the majority coming from our on-site Washmills recycling facility which takes material from our demolition contracts and processes it into a range of aggregates.

When the works are complete it is anticipated we will have completed:

- 20km of primary road and footpath
- 18km of foul and storm drainage
- 22 km of storm drainage
- 200ha of green public space

So as not to overload the local sewerage network the site has to be responsible for its own foul water. To date, we have constructed two new deep wet well pumping stations, laid over 1km of pumping and constructed a new waste water treatment works. The waste water treatment works is the first of three planned to be built.

Sunset Studios

Starting in August 2022, our scope consisted of the site preparation, inclusive of vegetation clearance and removal of 100,000m³ of topsoil, which was retained on-site for final landscaping. Our main activity was the bulk excavation of circa 86,000m³ of Enfield Silt material as an engineered fill, which was stabilised with a lime and cement binder in order to facilitate future works.

One of the main challenges was undertaking a major earthworks project outside of the traditional earthworks season which was added to by heavier than normal rainfalls. A mitigation strategy was introduced using additional haul roads and working in an out of sequence manner, however because the site was not naturally permeable and free draining, the use of heavy plant was minimised until the ground had sufficiently dried with additional resource being employed as areas became available. An alleviation method used was the disposal of 228,000 litres of water from site which allowed us to enter these areas, continue stabilisation, and bolster up the localised drainage.

To manage the control of standing water on site, a surface water mitigation strategy was designed and installed allowing water to flow from the working platforms to a central carrier drain running across site, discharging into a newly excavated attenuation pond.

To facilitate the works of the follow-on main contractor, our enabling works package was extended through the introduction of the working platform and piling mat installation, designed by Swanton, which consisted of import and placement of 45,000m³ of Type 1 and 50,000m³ of 6F5 across a 220,000m² area. This introduced its own challenge in the logistics of delivering this large quantity of materials in a just-in-time manner, due to restrictive space for stockpiling on site, and the risk of double handling materials, preferring to deliver directly to the work face, where it could be placed. The success of this difficult operation was a result of close communication between our supply chain, our internal haulage business, and our project management team.

White City Phase 1 and 2

After a successful tender process, we were awarded the "ICL Scale Space Remediation and Infrastructure Works" by Imperial College London (ICL), with works commencing in August 2018 with an anticipated duration of 40 weeks. The project was a traditional D&B contract with works including:

- Site clearance
- Processing 1400m³ of demolition waste left on site
- Break up, crush and screen concrete slabs

The following installations were also carried out on-site:

- Piling platform
- Crane platform
- Sheet piled wall
- Road and communications network
- connections and commissioningHard and soft landscaping
- Pedestrian friendly footway scheme
- Power supplies, both HV and LV
 Street furniture
- Gas and water supplies

Specialist resin surfacing.

As a result of the works carried out on-site, we were invited to undertake, directly for the Imperial College structures and materials research team based in the South Kensington Campus, construction works in conjunction with research to mitigate surface flooding. This is on-going.

With the site being in close proximity to both Network Rail and TfL assets, the location of the ICL site presented us with a unique set of challenges throughout the project, in part, due to limited access and egress over the existing weight restricted Depot Road Bridge. This restricted the movement of plant to and from site, which we mitigated by moving plant during night-time hours to cause as little disruption to neighbouring businesses, residents, the campus itself and any neighbouring public transport routes. The campus remained live while our works were undertaken, including ongoing scientific research which meant our works had to be planned around campus activities and curriculum events such as exams.

The ground conditions were also a significant consideration as thorough testing regimes for both excavated and retained materials were developed and implemented to satisfy the strict EA and client's requirements with reference to the issued remediation strategy.

Following the success of phase 1, we were awarded the phase 2 works, which are currently ongoing and will generally repeat the works delivered in phase 1.

During the concurrency of both phases, we have undertaken infrastructure works on the wider campus to provide improved access arrangements to the south campus and improved connectivity between the north and south.

Location: Fulham, London

- Locate and remove existing foundations
- Pile probing

Street lighting network including cabling

Kidbrooke Park Road

We were employed by the Royal Borough of Greenwich to carry out remediation works involved in the creation of a development platform for new social housing in the heart of Kidbrooke. The regeneration of the brownfield site will provide 117 new council homes for local residents on the former RAF and school site.

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The scope of works included the removal of made ground contaminated with hydrocarbons and asbestos. Approximately 20,000m3 of material was transferred to a suitable disposal facility with zero material taken to landfill.

The project also involved enabling works to secure the site perimeter with hoarding and to facilitate the vehicular access to the site for the future development including \$278 works.

We traced unknown drainage runs and foundations that were then removed as part of the works and carried out geotechnical testing in order to facilitate the design of the future development.

The site was in close proximity to an allotment, a school and public using the neighbouring footpath. Mitigation measures were in place for working with asbestos in soils and boundary monitoring was also carried out for noise, dust and odours.

Fulham Permanent Depot

In 2017 we carried out a series of works at Imperial Road Gasworks in Fulham, which involved the demolition of existing gasholders, remediation, and construction of modular accommodation to temporarily house Cadent Gas' operations. Subsequent to this, and in the latter part of 2020, we successfully tendered for the construction of a new build depot on behalf of National Grid. The depot comprises of a three-story office building, vehicle parking and storage areas and will replace the temporary facilities previously constructed.

The project, designed by Atkins, features an intricate, yet impressive, façade encompassing decorative articulated brickwork, glass reinforced concrete, wet-cast concrete as well as sustainable construction technology including electric vehicle charging points, photovoltaic panels, and a green roof.

We took possession of the site in April 2021 and have since undertaken the groundworks, piling, erected the steel-frame structure and commenced works to the external façade. Our next objective is to get the depot watertight, which will involve the installation of the external metsec walls, glazing and standing seam zinc roof - before commencing the internal works. The depot is scheduled to be handed over to National Grid in the latter part of 2022.

Nine Elms

Erith were employed by Barratt London to undertake the large scale enabling package at Nine Elms Point, which forms part of a large regeneration scheme in London. The development is made up of 737 homes with a mix of studio, one, two and three-bedroom apartments and penthouses, a new flagship Sainsbury's will also form part of the development.

Works included the excavation of 87,000m3 of soils to form a basement and a 15,000m2 designed platform for the piling contractor, attendance to piling contractor resulted in an additional 25,000m3 of pile arisings for off site removal. Up to nine excavators were deployed on the project at its peak, in addition to five piling rigs, all of this on a relatively small footprint. Erith were able to minimise the disposal to landfill by ensuring segregation was maximised and stockpile management.

All works were carried out utilising Erith's FORS Gold and ISO 39001:2012 accredited in-house fleet. The congested parameters within the heart of Battersea presented many logistical challenges with many surrounding stakeholders involved in large scale construction programmes. Early engagement with the stakeholders was key to the achieving the programme and constraints involved with the logistics of working close to Wandsworth gyratory and the Nine Elms Regeneration Scheme as a whole.

To mitigate the potential of any logistical conflicts Erith's site team and haulage Traffic and Logistics Manager held strong lines of communications with all surrounding parties. This act of communication and collaboration ensured smooth and seamless logistical operations whilst providing continuity in services.

The end result was a project completed ahead of time, on budget with zero health, safety or environmental incidents.



Fulham Temporary Depot

During the Autumn of 2017, Erith were employed by National Grid Property Holdings Ltd (NGPH) to carry out the construction of a temporary depot - located within the London Borough of Hammersmith and Fulham.

Situated within the confines of a former gasworks, the site contained five redundant gasholders, an existing depot due for relocation and multiple listed buildings of heritage value – including the oldest surviving gasholder in the world originating from the early 1800's. Of prominence, and to the northwestern edge of the site, lays an existing Pressure Reduction Station (PRS), with a secondary in the process of construction to the northeastern edge. Running parallel to the northern boundary exists a NR line with commercial properties beyond; with the surface waters of Chelsea Creek located approximately 100m east of the site boundary.

To ensure the project ran in a seamless manner, interface and engagement with a variety of third parties were required; from regulatory bodies through to trade contractors and governing authorities. These included, but were not limited to, the following:

- St George Central London Ltd
- Cadent Gas

Network Rail

- UKPN
- Fastflow Group UK

• BT

Uplands Construction

P GAS

Thames Water

Working within a high hazard environment presented an array of site-wide constraints – in particular, that of live plant and services. The abutting PRS, which remained under construction, contained a buried high-pressure gas main crossing the site. This involved an extremely sensitive approach when working within close proximity. Adopting a diligent and pragmatic method, vacuum excavation was deployed in addition to laying and fixing pre-cast protection slabs which would later form part of the permanent in-situ works. Whilst working within the footprint of the HP Main, a thorough and stringent examination of Erith's methodology was undertaken by Plant Protection – a Cadent subsidiary; in addition to a watching brief for a period of time.

The site was previously occupied by a range of gasworks process structures comprising of tar, oil and benzol tanks, a CWG booster station and a purifier which was later decontaminated using the NGPH "Clean and Dirty" Protocol.

An extensive environmental monitoring regime was delivered throughout the duration of the contract recording dust, noise and vibration levels and subsequent trends. Works were delivered in a diligent manner as to avoid disruption to sensitive receptors which surrounded the site boundary. Instrumentation used included sound level meters, human vibration meter and analysers and a DustTrak DRX Desktop – all of which enabled realtime monitoring.

Isle of Grain

Isle of Grain in Kent historically formed part of the former BP Kent Oil Refinery and, post the 1980's following demolition works, was subject to various phases of development – notably the construction of the Grain Liquefied Natural Gas (GLNG) facility in the north of the site, supplying up to a fifth of the UK's natural gas.

The site also supported other key operations including a critical part of the European electricity transmission grid, a container shipping terminal, a major aggregate facility and two adjacent power stations.

Erith were employed in August 2015 to undertake major refurbishment works to a section of the existing drainage rising main located in-situ.

The scope of works presented a series of constraints and challenges, not least through the sites historically associated former use and in-situ hazards – some of which included the following:

- Working within the confines of a live gas plant
- Perched water/dewatering requirement
 Gas and vapour presence
 - Stakeholder and Public Relations
 Ground conditions
 - Condition of existing infrastructure
- Ecological receptors in the form of grey crested newts
 - COSHH related contaminants
 On-going construction activities within and adjacent to the GLNG facility
 Discharge of surface water
 Live services

Further to this, the excavation works were targeted in areas of low ecological sensitivity and away from known contamination. Additionally, a best practice approach was adopted involving slip lining of existing 48" and 60" drainage pipework, with innovative repurposing of redundant infrastructure was successfully applied. This allowed for a public highway serving as a main access point to Grain Village to be bypassed causing no disruption to stakeholders and the community.

The scope of works encompassed (but was not limited to) the following services:

- Deep excavations
 Slip lining
 Pipelining and grouting
 Culvert modifications
- Service diversion/modification and repairs
 M&E upgrades
 Installation of pipework

Overall, a 1km stretch of infrastructure was fully refurbished as well as regeneration of an associated pumping station spanning back to the 1950's.

Herne Bay

Erith were employed by Redrow Homes to construct the main spine road connecting to the newly formed entrance at a former golf course, situated at Herne Bay. Ahead of the spine road, Erith were to divert approximately 400lm3 of existing foul sewer drainage running under the proposed building plots, relocating it under the new spine road. Included in the works was the installation of a new foul sewer under the remainder of the spine road to service future development of the site. A cycle path/ footway would run adjacent to the spine road with a single footway on the opposite side of the road. Both footways would act as utility corridors.

Two rivers run through the site, Herne Drain and Plenty Brook. Both required a substantial culvert with reinforced concrete headwall structures built in-situ to allow the road to pass over. Constraints to the works included:

- Environmental conditions.
- Ecological considerations.
- Archaeological sampling.
- Time constraints/order of works.
- Health and safety concerns surrounding high-risk activities.

Before commencing any of the remaining roadworks, the Client had to discharge planning conditions surrounding archaeology on the site. With Erith in attendance, the archaeological excavations were optimised to reduce delays in the reinstatement of ground for road construction which followed.

Hydraulically Bound Material (HBM) was the preferred construction for the road being made up of three layers of cement bound granular material. Each layer increased in strength to provide a solid bound foundation. Using HBM allows for a thin surface course, in this case, 110mm, and therefore provides for a more economical road construction over traditional road design of base, binder and wearing course. HBM is relatively new to road construction and is mostly laid using a paving machine, however, at the site, the decision to place the materials manually was driven by the material supplier's outputs and that placing the material by hand proved economically beneficial to the overall project.

The culvert installations were subject to environmental approvals to ensure that the areas of excavation were free from water voles and other fauna. Erith worked closely with the EA to obtain the necessary Flood Risk Assessment Permits (FRAP's) before installing over-pumping in advance of culvert construction. The 2m high x 4m wide pre-cast box culvert units were installed on a sand bed before construction of the headwalls using traditional reinforcement and shuttering methods.

Given the success of the project, Erith were awarded the follow-on works package which involved the \$278 connection onto the existing highway.

Chatham Dockyard

Following on from the demolition of a number of industrial buildings at Chatham Dockyard, Erith were employed to provide development platforms for a new Asda, a new student accommodation block and a comprehensive new road layout. These works involved breaking up 7ha. of reinforced concrete; crushing, screening and compliance testing of 55,000t of material and filling with this processed material. Due to the previous industrial uses of the site there was a comprehensive regime of contamination testing and groundwater treatment.

On completion of these works, Erith were awarded the follow-on contract for the on site infrastructure and off site highway improvements.

The on site works were for the construction of approximately 1km of adoptable two lane carriageway including new storm and foul drainage, the diversion of a 900mm diameter storm sewer and the excavation and construction of a new attenuation pond.

The off site works were undertaken under a s278 agreement with Kent County Council for the major realignment of the signalised junction to the dock involving night time closures.

All of the infrastructure was delivered whilst keeping the existing dock roads and access open.

Elwick Place

Erith were employed by Lendlease to undertake the enabling works, ground works, basement excavation, structural core construction, car parking and public realm works for a new cinema and hotel complex in Ashford, Kent.

Following substantial pre-construction activities with the Stanhope and Ashford Borough Council joint venture client team, which involved negotiations of the approval in principal with Network Rail and HS1, the works commenced with the diversion of major UKPN infrastructure.

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Following on from this our scope of works included:

- Excavation and on site disposal for neutral cut and fill balance.
- Soil stabilisation.
- Pile probing and piling mat.
- Diversion of 900mm Southern Water Sewer.
- RC pile cap and ground beam construction.
- RC lower ground and first floor slabs.
- Core construction using Doka Framax system.
- Structural concrete topping to upper floors.
- Site wide drainage including installation of comprehensive.
- Public footpath diversion.



Southend Business Park

In November of 2016, Erith were awarded the contract to provide the first phase of infrastructure works at Southend Business Park. The 52 acre site formed part of the former Westcliff rugby club between Rochford and Southend, and was being developed by Henry Boot Developments in partnership with Southend Borough Council, to accommodate 1 million sq.ft of commercial floor space.

The construction of new roundabout on the busy B1013 with associated traffic islands and resurfacing section of the carriageway included kerbing, street lighting traffic signs and hard and soft landscaping. These works had to be carried out in six phases due to the constraints of Essex Highways. Extended hours and overnight works were necessary to minimise disruption and in order to comply with ECC requirements. Two, three and four phase traffic light systems had to be introduced in order to execute the works successfully. The street lighting signage and soft landscaping was carried out by specialist sub-contractors with around 500 shrubs being planted in the roundabout and along the verges.

Numerous challenges were presented to Erith in this project. Most notably, the demands of the public around site had to be allowed and mitigated for within Erith's safe system of works. Residential properties, a live carriageway, public footpaths and sports pitches in regular use were the main constraints within this project. To ensure safety to the public, our workforce and on-site subcontractors; we deployed a Traffic Management Plan to minimise disruption to the footpaths and carriage way and ensured shared access to the residential areas and sports pitches.

Erith worked closely with Henry Boot and Southend Council to implement an active public relations plan with on-site meetings and letter drops informing the residents of the phasing of works, out of hours working, and contact details in the event of any problems occurred by the residents.

Didcot NE

Erith were employed by Legal and General Homes to conduct the primary infrastructure phase of their works to a site on the outskirts of Didcot to the North of the A4130 and East / South of the B4016.

Infrastructure works included site clearance, highways and construction and diversion of drainage and utilities to make way for a 155ha site consisting of housing, schools, retail complex, leisure/ community facilities and associated nature parks.

We adhered to the high levels of security operated at Legal and General sites and incorporated this into our programme of works by utilizing a Gateman during working hours and Wi-Fi guard units outside of working hours. All visitors were required to sign in and out of site with no exceptions and we also provided a member of the Management Team on call 24-hours per day to liaise with the security provided should this have proved necessary.

This project was strictly time-sensitive, as there were various trees that needed to be planted during the planting season. These trees were required in open space areas and also street trees along the soft verge of the road, scrub planting and amenity grass seeding all the while taking into account the protected ecology of the area.

We also had to take special care due to the presence of established species within the area including bats, small populations of reptiles, invertebrates, and nesting birds.

Constraints of the works consisted of:

- Work near existing live services including 11kv and 33kv high voltage overhead cables and high-pressure gas main. We utilised a bulldozer to remove materials from beneath the overhead cables and placed height restrictions on all plant used.
- Work near protected ecology which resulted in protected areas being fenced off using Heras fencing.
- Interface with pedestrians and pedestrian routes including diversions in agreement with the Local Authority.
- Local residential access which needed to be maintained and was enabled by the use of letter drops and advanced notes informing those who may be affected of the works and progress.

Didcot Power Station A

During the winter of 2018, Erith were employed by Clowes Developments (UK) Limited to carry out the enabling package at Didcot Power Station A – located within Oxfordshire County Council.

The site was historically used as a Ministry of Defence (MOD) depot and then later as Didcot Power Station A – a 2,000 MWe sub-critical coal and gas fired power station which recently ceased operation following the EU's Large Combustion Plant Directive. After delivering power for over 40 years, the Power Station was decommissioned and disconnected from the National Grid. This in turn required the plant to cease generation by the end of December 2015, closing the curtains on Power Station "A".

Power Station A, which spans 35 hectares in scale, is bound to the north and east by the remainder of the Didcot Power Station "B" site and to the south by Milton Road. Beyond this is the Great Western Mainline and the A4130, and to the west by a recently constructed steel framed warehouse. The majority of the site is covered with a 300mm RC slab with several large flooded voids present and multiple stockpiles in the south-east and south-west of the site; notably a 70,500m3 pulverised fuel ash by-product generated during the Power Station's coal and oil manufacturing period. The bedrock geology of the site comprises of gault formation, Upper Greensland to the southern boundary, with superficial deposits of alluvium across the central and northern parts of the site.

Works at the power station were being undertaken in a linear multi-phased sequence consisting of; enabling works, earth and land re-profiling, civils and infrastructure – all of which was being executed under JCT D&B 2016. The enabling works consisted of groundwater treatment and disposal, demolition of a number of underground structures to 2m bgl and crushing, screening and testing of subsequent arisings.

The second stage of the multi-phased project will consist of the earthworks, land re-profiling and civil works. Works to the site will begin with the clearance of approximately 55,000m2 of topsoil, trees and associated vegetation. In-situ and ex-situ bioremediation works will take place, with the cut, fill, compaction and chemical and geotechnical testing of approximately 120,500m3 of material. 19,000m3 of grouting will be done to various underground obstructions utilising an 80:1 PFA/OPC mix. The demolition of an above ground reinforced concrete treatment lagoon will make way for the placement of a capping layer across the site to act as a working platform for a piling rig.

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Dollyman's Battery Storage

We were employed to carry out the transformation of the site at Dollyman's Farm into a 100MW battery storage facility for Statera Energy. The project involved the installation of 60 power converter system (PCS) units, 60 battery energy storage system (BESS) units and an ICP compound comprising of a 132KVA transformer, control room, ancillary infrastructure and connections.

We worked collaboratively with the client in order to produce the necessary methodology to support the designs of the new technology and meet the strict programme milestones.

The full scope of works included:

- Extensive service and drainage installation
- PCS and BESS infrastructure footings, drip trays, interceptors
- Co-ordination and management of lifting operations involved with placing the PCS and BESS
 units
- Co-ordination and management of local authority and traffic management permits
- S278 works
- Culvert installation
- New roads
- Reinforced concrete works for control rooms and transformer bunds
- Creation of site attenuation pond and headwalls

Site constraints that were mitigated throughout the project included:

- High voltage overhead cables
- Strict deadlines and key project milestones
- High water levels
- Risk of flooding due to weather conditions
- Local Authority/Environment Agency conditions

The project reflects our strategic objective to support sustainability and work towards a low carbon future, working with innovative developers and independent connection providers to offer all civil engineering requirements for energy storage and distribution projects.

STREET, STREET, STREET, ST.

National Grid Framework

Erith have been framework contractors to National Grid for the remediation of former Gasworks sites since 1997 and to date have been involved in over 100 such projects, ranging in value from £100,000 to £16,000,000. In 2013, Erith were awarded an additional framework for gasholder demolition works.

Projects have covered a wide geographical area including Central London, Kent, Wales, Cornwall, Greater Manchester and the Isle of Wight. All work has been completed to the high levels of health, safety, quality and the environment as required by National Grid.

Key to success is the long term relationship that has developed between Erith and National Grid at corporate and individual levels. All projects involve pre-construction discussion and liaison for up to 12 months which includes developing cost plans, methodologies, plant protection, permit applications, demolition / remediation strategies, assisting in planning and other regulatory matters.

The exact nature and scope of works varies between projects, but includes:

On-site treatment of materials
 Earthworks including laying of drainage, levelling and hard landscaping
 Disposal / treatment of contaminated waste
 Demolition
 Retention of heritage value components
 Scrap recovery
 Asbestos removal.

All of the above works are carried out in accordance with HSG47 due to sites containing in-situ underground services. The client's aim is to take contaminated brownfield sites and make them fit for redevelopment by adding value. Consistently, this is achieved by collaborating with National Grid's consultancy team to develop and implement innovative techniques and methodologies in order to successfully carry out the works.

Health and Safety

Erith's ethos on Health and Safety is embodied through our SAFETY 24:7 culture, which is underpinned by our Seven Steps to Safety behavioural campaign. The seven steps campaign looks at the holistic elements of going to work and the expectations of the business and the workforce along that pathway, to ensure a safe workplace is created and a healthy workforce is maintained. Through workforce consultation we have identified and implemented the steps required to complete each activity safely and created accountabilities and reporting networks to ensure there is a constant feedback loop on performance.

Erith is proud of being a learning business, embracing a learning culture allows us to grow and develop to ensure we continually adapt to the challenges faced by our people when undertaking works on our behalf. Experiences gained from projects, working with our supply chain and feedback from our workforce helps us drive improvements both locally and across the group to ensure the SHEQ function is constantly tested and reviewed to ensure we meet our own expectations and performance indicators.

Our internal SHEQ department supports the business through providing a solution-based approach to the challenges faced when operating in high-risk environments. Having in-house SHEQ professionals ensures our project delivery teams can access support and advice as required. The SHEQ team ensures our projects are delivered to exacting standards through their compliance monitoring regime, help to embed the safety culture, the business operating protocols (as accredited to ISO9001,14001 and 45001) and deliver regular safety updates on industry wide and Erith performance. Encompassed within this is support from our OHP, who deliver focused health and well-being briefings, provide drop-in clinics and support well-being awareness days.





Environment and Sustainability

» Utilise alternative fuel sources for plant and machinery » Adopt new technologies to remove reliance on fossil fuel to power site offices

» Challenge behaviours to promote more sustainable ways of working

We understand our responsibilities ao beyond climate change. Our works inevitably lead to waste creation, the use of raw materials, consumption of natural resources and various emissions. By understanding these impacts and utilising the "source-path-receptor" model for assessment, we have been actively challenging what is possible whilst continuing to deliver class leading enabling solutions. Through positive interventions and initiatives across all our business

» Achieved a 99% recycling rate for demolition and construction materials (excluding hazardous waste) ensuring over 100,000 tonnes were diverted from landfill - this is the equivalent of 833 Blue Whales

» Reused over 50,000 tonnes of demolition arisings to create

» Cut driver idling hours over the last 2 years by over 50% - saving over 15,000 litres of fuel in the process – this is enough fuel to drive around the Earth 3 times » Treated and discharged over 282 million litres of water back into the water system - this would be enough to fill 112 Olympic swimming pools



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Web: www.erith.com

RANGE EXTENDED ELECTRIC VEHICLE

Equality and Diversity

Opportunities that we provide at Erith are based on an individual's experience and ability. As an equal opportunities employer, we seek to employ and develop individuals best suited to their role in order to ensure that the service we deliver is consistent with the highest of standards.

In order to achieve this, our employees undergo 'grass roots' training on equality and diversity to ensure that we are not only equipped with a suitably qualified workforce; but that our workforce is equipped to encounter the variety of customers, residents and third parties they're likely to encounter as part of their work.

Training and Employment

Erith have the advantage of an accredited in-house Training Division, Erith Training Services, who administer and control the Group's training requirements. Our training methods have been recognised by ARCA as class leading, evidenced by receiving an ARCA Gold Award for training for over 10 consecutive years, and this is of significant value in achieving the exemplary standards towards health and safety and quality of workmanship that our client's demand.

Stren rust War

©Erith Training Centre

To maintain the workmanship and competence of all Erith asbestos removal operational staff, Erith utilise Training Needs Analysis (TNA) based annual refresher training carried out by a combination of Erith internal training and the asbestos trade organisation ARCA for all Contract Managers, Contract Co-ordinators, Supervisors and Operatives. This ensures a consistent approach and consistent standards of excellence by all operational employees.

Social and Community Engagement

Our investment into communities and provision of community initiatives are crucial factors in the development and prosperity of our business.

Our continued commitment to our local communities ensures stakeholders are not only informed and protected from potential disruption, but that we are providing economic benefit by using local suppliers, and where possible, local labour.

On our current project, 105 Victoria Street, we have launched a social strategy supporting local schools, charities and community initiatives alongside the client, BentallGreenOak. The initial launch involved the installation of basketball courts into the site providing the opportunity for over 500 local school children to receive 3x3 basketball coaching from a professional team. The launch day also generated donations of over £1,000 worth of essential items for distribution to the local community via the Abbey Centre Pantry and the provision of refurbished bikes from the Westminster Wheels charity for a local cycling proficiency scheme.

Elsewhere, we have collaborated with local authorities to undertake a number of safe cycling campaigns, attended numerous schools and careers fairs to raise awareness of potential careers in the industry and engaged with local charities, hospitals and food banks in the vicinity of our sites, as part of our concerted effort to give back to local communities.

Good Causes

We actively support local charitable initiatives and other non-profit organisations that share our values and sustainability objectives.

Our aim is to engage with and provide legacy benefits to the communities most directly impacted by our projects, both in the construction phase and over the lifetime of the schemes we deliver.

BErith

The Enabling Specialists : Safety 24:7

www.erith.com

Over the years, we have shown significant support to numerous charities; including Demelza, The Lily Foundation, The British Heart Foundation and Future Dreams, Several of Frith's employees have completed charitable events including the London Marathon, London to Brighton Cycle Ride, a Wing Walk and most recently raising over £4,000 for Shooting Star Children's Hospices by completing Tough Mudder.

We have also continued to build our relationships with local grassroots sports teams as the main sponsor of the entire Hayden Youth Academy, based in Wilmington, just three miles from our head office. We have also provided civils works to improve the facilities at their ground. Elsewhere, we are currently sponsoring Glebe Lions U9, Dartford FC U11 Girls and Sheldwich Cricket Club Dynamos.

Quality

Erith's aspirations to be a leader in all fields of the industry boil down to our considerations towards quality. In order to achieve the benchmark standards that we already set, heavy focus is placed on adherence to our Quality Management System; allowing for a consistently high delivery of service, whilst seeking ways to remain at the forefront of what we do.

Serith

Erith's Quality Management System is accredited to meeting the standards of ISO 39001:2012, ISO/IEC 27001:2013, ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. The implementation of our quality management system, as well as ongoing inspections of our work are overseen and monitored by our Quality Manager, with the assistance of a dedicated Integrated Management System Department. Measures are put in place and information is regularly updated in regard to legislations/ standards. It is through these measures and company ethos that we aim to develop and grow as a company, as we pride ourselves in delivering the highest quality service possible.

Achievements

» City of London Gold Awards: Seal House, Holborn Viaduct, 120 Fleet Street 2023, Seal House and Holborn Viaduct 2024

» National Grid Property Awards: Best Project Support, Best Demolition Project, Best Project Strategy Implementation and Most Sustainable Property Project 2023, Best Property Strategy Implementation – Deal Gasholder, Best Stakeholder Engagement – Saxon Street Gasholder (Manchester), Colchester Gasholder 2024

> » Considerate Constructors National Site Awards: Ty Glas, Portland House, 105 Victoria Street 2024

» NFDC Awards: Special Recognition Award, Apprentice of the Year, Demolition Manager of the Year 2022, Project Manager of the Year - Highly Commended 2024

> » ARCA Awards: Gold Training Award (18th Consecutive Year), Gold Site Audit Award 2023

> > » London South East Colleges: Silver Employer Award 2023

» World Demolition Awards: Urban Demolition - Olympia 2022

» Construction News Specialists Awards: Health, Safety and Wellbeing Excellence 2022

» British Demolition Awards: Apprentice of the Year 2022

» City of London Gold Awards: Considerate Contractor Gold Award 2022

» Construction Awards of Excellence: Heritage Project of the Year 2022, Young Employee of the Year 2022 Highly Commended – Building Contractor of the Year (Over £15m) 2022

» RoSPA Awards: Gold Award 2019, 2020, 2021, 2022

» FORS Gold Accredited

For a full list of our achievements, visit our website by scanning below:



BUSINESS CONIN TO EDUCATION Erith Contrac wards

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Erit

Sponsored by

Drone Technology

The Erith Group continue to provide exemplary service, incorporating new technology in project delivery. Through our utilisation of Unmanned Aerial (UAV's), Building Information Modelling (BIM) and Computer Aided Design (CAD) within our service delivery.

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We deploy UAV's, namely the DJI Inspire 1 drone, to enable us to capture large amounts of survey data over vast areas in a fraction of the time it would take conventional surveying methods. From this survey data, we produce a BIM model to allow the entire team to collaborate on an accurate 3d representation of the project. Erith's engineering team then utilise Trimble's Internet Base Station Service (IBSS) to allow the engineering team to upload the project model into onsite Earthmoving plant.

Our current list of projects involving these dynamic technologies include the Earthworks and Land restoration package at Mardyke Farm, as well as the Infrastructure and Earthworks scheme at Ebbsfleet Garden City.



Erith's in-house design team Swanton Consulting specialise in the design of temporary works, design and cat 3 checks, deep basements, piling and propping, façade retention schemes, retaining walls, specialist structural elements and contractor delegated design elements. This service can be provided both to the design team and the contractor.

Swanton employs a team of Civil and Structural Engineers and Technicians. These are led by Chartered Engineers with a wide range of experience of contracting and consulting practice. Our design team pride itself in providing a flexible, responsive and innovative design service.

> Swantest, Swanton's testing and remediation division, consist of a team of multi-disciplined engineers who provide a bespoke structural and geotechnical testing solution for complex projects. Specialising in survey and inspection works, torque preloading and hydraulic jacking, structural repairs, strengthening and alteration, crane grillages and bridgeworks, Swantest provides a wide range of services to the construction, design and civil engineering industry.





Third-Party Thoughts



"We at Landsec have worked with Erith for the past 15 years and they are one of our most reliable tier one specialist contractors and one of the most capable demolition, enabling and basement contractors.

The multi-layered management and blend of specialist experience and expertise works very well. The attitude, approach and behaviours seen from the Erith team during the PCSA have flipped seamlessly into the main contract. I would like to note that the Erith team are held in the highest regard at Landsec and have my full support in how they operate as a business."

Paul Langham Landsec



"I can only reiterate what the neighbours are saying and add Frogmore's appreciation for the way Erith have run the job; it really is appreciated. Let's hope the follow-on contractors are able to maintain the excellent neighbourly relationships you have nurtured over the course of the works."

Simon Casey Frogmore Estates

nationalgrid

"I just wanted to say a huge thank you to you all on behalf of National Grid for your work on the project. From the GH demolition through to the infilling and remediation, the whole project has been a great success, despite the numerous technical challenges thrown your way and the general constrained nature of the site and works. Additionally, the project team has had a very positive impact on the local community throughout the works – credit to yourselves and your organisations. Thanks again, it has been brilliant to work with you all on this project."

Tom Keighly National Grid



Magnox

Wates

"It has been a pleasure to work with your team; they made the challenges of a difficult and complex UKPN Development as uncomplicated as I would wish at all times providing full visibility and reporting for both the practical operations of the works undertaken and for my financial forecasts. I look forward to the next Project upon which we may work together."

Paul Rogers UK Power Networks

"Dungeness has been a considerably high profile project, with several articles in the local press, on the internet and a couple of news articles on television. Thousands of viewers visited the Magnox website, where progress has been broadcast live on a webcam.

It has been a pleasure working with a company and staff that is committed to safety as the highest priority, and works to completion on target. Thank you and I look forward to an opportunity of working with you in the future."

Paul Wilkins Magnox Ltd

"I would like to take the opportunity to write to you and thank you for the professional way in which Erith Contractors Ltd have completed the demolition and enabling works for us at Park East (formerly known as Arthur Street). To carry out the demolition of three high rise blocks in close proximity to adjoining residents, railway lines and the local Tesco store without incident is a credit to you all and the reason that we selected Erith. The level of expertise, professionalism, and safety to achieve this, accident and incident free hasn't gone unnoticed by me and the wider Wates board of directors. I know it's what you do but credit where credit is due."

Glen Roberts Wates

Get in touch with us

Whatever the task, Erith deliver a safe, innovative and professional service, 24 hours a day, 7 days a week.

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