dowds building services

DOWDS GROUP

DOWDS GROUP ARE A LEADING MULTI-DISCIPLINE SPECIALIST CONTRACTOR PROVIDING CONSTRUCTION, BUILDING SERVICES, FACILITIES MANAGEMENT AND ENERGY SOLUTIONS.

We are focused on providing clients across the UK & Ireland with high quality, innovative solutions. We exceed customers' expectations as evidenced by our levels of repeat business and our involvement in cutting-edge healthcare, education, leisure, commercial and residential projects throughout the UK and Ireland.

WHY ARE DOWDS DIFFERENT?

- We are an owner managed company we make our own decisions.
- We stay at the forefront of delivering complex building services and construction solutions.
- The quality of people and our product, and the surety of delivery.
- Our long-term strategy is to partner with clients who understand the benefit we bring.

WHAT CAN WE DO FOR YOU?

We do things *The Dowds Way* - our clients can expect a seamless service through early engagement with our experienced in-house Design and BIM team, our highly commended one stop shop service and working with a contractor who cares, identifying and resolving any issues before starting on site.















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BUILDING SERVICES

AWARD WINNING AND INDUSTRY LEADING QUALITY DELIVERY OF CHALLENGING MECHANICAL & ELECTRICAL BUILDING SERVICES.

Our industry leading approach to M&E can transform the most complex projects into a straightforward, innovative solution. We have built a solid reputation of delivering quality installations to our clients through precise consultation and consideration of the project. Our extensive experience spans across Education, Commercial, Arts/Leisure and Healthcare, throughout various regions in the UK and Ireland.

DESIGN

As part of a contractor led team, we provide full MEP design services developing early design intent to fully coordinated detailed design ready for installation. Our approach is centred on retaining qualified building services engineers, design technicians and design managers to ensure full technical and commercial confidence through each stage of the process. Our experienced in-house design managers are fully involved in each stage of the project lifecycle to ensure the highest technical quality through to/up to completion and commissioning.

DESIGN FOR MANUFACTURE AND ASSEMBLY (DFMA)

Innovation and adoption of Modern Methods of Construction is a key focus for the company. We are early adopters of containerised plant rooms, prefabricated service risers and switch room solutions. Development in building services integration to meet new post Covid 19 site restrictions, potential skills shortages due to Brexit and a changing market are a challenge we are facing every day.

INSTALLATION

We pride ourselves on employing and retaining the best management and engineers to install the latest technology in the safest and optimum way. Supported by our specialist supply chain, our specialist teams provide a comprehensive range of M&E services.



INNOVATION IN DESIGN – LEADING THE WAY IN COMPLEX AND CHALLENGING PROJECTS.

Dowds Group are at the forefront of digital design, offering the most advanced expertise in Building Information Modelling. With a blend of Chartered MEP Engineers and graduates, our in-house team has the capabilities to deliver complex design and build projects across Healthcare, Education and Leisure.

BIM LEVEL 2

As a BSI BIM Verified ISO 19650 contractor, we have developed a structured set of standards, procedures & protocols. We utilise multiple software solutions to ensure compliance to the client's BIM Execution Plans (BEP) for graphical and non-graphical data exchange.

BIM is a central part of our digital design service and uses an integrated 3D model throughout the design and construction life cycle of a project. Dowds utilise Autodesk Revit MEP software to design, coordinate, schedule and fabricate. Autodesk Navisworks Manage is also utilised for clash detection, flythrough and animated presentation visualisations.

CLIENT COLLABORATION

Early integration of the client, design and build teams is essential for successful implementation of BIM. We work alongside our clients to develop a list of information that must be integrated into the Building Information Model which allowing you to experience the building early in the design process. Client collaboration resolves any design issues before construction and results in reduced time, cost and risk in all phases of the project.



THE OLD GRAMOPHONE WORKS



HEALTHCARE EXPERIENCE



HEALTHCARE EXPERTISE

With over £100M of M&E work completed in the acute healthcare sector in the last 10 years, our wealth of specialist experience working in hospital environments, has allowed us to improve the level of critical care facilities for patients throughout the UK. Due to the complexity and heavily serviced nature of these projects, our BIM Department are a vital part of the team from the early coordination phase through to installation.

•Understanding of the HTM and HBM standards

•Proven track record of delivery highly technical schemes for

both NHS and private clients

•Early involvement gives our clients clarity of scope & cost certainty.

•We understand & utilise the PCSA process

•An open book approach to our bids.

•We ensure seamless integration from Design through to construction and aftercare.



PROTON BEAM THERAPY RUTHERDFORD CANCER CENTRE

OVERVIEW

The cancer centre is located within the Thames Valley Science Park, which is part of the University of Reading, this facility will be the third of it's kind built in the UK by Proton Partners International.

Amongst other conventional cancer therapies, this centre will offer proton beam therapy which is a specialised type of cancer treatment not available yet in the UK. The centre will include facilities for proton beam therapy, a linear accelerator, as well as a CT suite and an MRI. It is expected that the centre will be able to treat up to 500 patients a year and will also offer imaging, chemotherapy and traditional radiotherapy.

CLIENT	GRAHAM
LOCATION	READING
SECTOR	HEALTHCARE
VALUE	£3.3 MILLION





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We very much enjoyed working with Dowds Group on this project, they have done a very good job. From management to site operatives we found their approach to work professional, friendly and helpful. Of particular mention is their post-contract support which has been a source of constant reassurance since handover.

PROJECT MANAGER, RUTHERFORD ESTATES



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QUEEN ELIZABETH HOSPITAL

OVERVIEW

The Queen Elizabeth Hospital which was built in the 1950s and later modernised in the 1990s under a PFI agreement is in urgent need of refurbishment and modernisation to bring the building up to modern standards.

Work has already started for Dowds to accurately design and agree cost on every aspect of the project prior to contractors going into the hospital at beginning of 2022, with the contract expected to be finished the following year.

Dowds will be working closely with the NHS Trust to ensure minimum disruption to staff and patients throughout the refurbishment and will be responsible for upgrading all of the electrical infrastructure. We will further upgrade the facilities for medical gas supplies such as oxygen, the climate control and all the other M&E areas across the site.

CLIENT	MCLAREN
LOCATION	WOOLWICH
SECTOR	HEALTHCARE
VALUE	£20 MILLION







ADDENBROOKES HOSPITAL - ROSIE PERINATAL UNIT

OVERVIEW

This was a highly complex installation to a new three storey 7969m2. facility, accommodation included 10 birthing suites complete with ensuite and wet rooms, Critical Care Neo-natal intensive care (28 cot unit), a 30 cot sick children's birthing unit (SCBU) all with complex services including medical gas and dual power systems, an MRI unit and 10 Birthing pool suites together with Fetal Medicine and Day Assessment Units. Other supporting units including Gynaecology and Physiotherapy

CLIENT	FARRANS
LOCATION	CAMBRIDGE
SECTOR	HEALTHCARE
VALUE	£7.2 MILLION



ULSTER HOSPITAL FRAMEWORK

The Ulster Hospital is a major acute hospital and delivers the full range of acute services, including a 24/7 Emergency Department, a range of diagnostic services, full range of outpatient, inpatient and day care medical and surgical services, cancer care, coronary care, obstetrics and paediatric services.

CRITICAL CARE COMPLEX CARE FOR ELDERLY UNIT INFRASTRUCTURE UPGRADE MATERNITY UNIT THEATRE 8

CLIENT	SOUTH EASTERN HSC TRUST	
LOCATION	DUNDONALD	
SECTOR	HEALTHCARE	
VALUE	£18.5 MILLION	









CRAMLINGTON AMBULATORY CARE CENTRE

OVERVIEW

Mechanical ventilation, heating and cooling systems were installed in the ceiling voids in the McAvoy factory. This is believed to be an industry first in the healthcare sector.

The dedicated, 2000m2 facility for ambulatory care provides services in medicine, surgery, gynaecology and orthopaedics. Facilities include waiting areas; interview, assessment, and treatment rooms; plaster room with mobile x-ray; trolley bays; patient lounges; ultrasound; single ensuite rooms; nurse's station; staff rest room; clinical stores; utility rooms, and an open-plan office.

CLIENT	MCAVOY
LOCATION	NORTHUMBRIA
SECTOR	HEALTHCARE
VALUE	£19.3 MILLION





CLOCK VIEW HOSPITAL

OVERVIEW

The new modern, mental health inpatient facilities has 85 ensuite bedrooms. It provides short-stay treatment for local people with a range of mental health issues including depression, anxiety and dementia. Clock View also has a new psychiatric intensive care unit (Newton Ward) for those in the most distress in need of inpatient care.

The hospital is the base for a new local assessment and immediate care service that provides emergency, urgent and routine assessment, enabling better support for people between inpatient and community services. The building is operated as a 24hrs a day, 365 days a year operation and therefore the M&E services were designed to facilitate the ongoing operation and maintenance of these systems.

CLIENT	FARRANS-HERONS
LOCATION	LIVERPOOL
SECTOR	HEALTHCARE
VALUE	£4.4 MILLION



FARRANS



CRAIGAVON AREA HOSPITAL

This framework involved new build installations and the complicated integration of new/upgraded electrical systems with those already existing. Meticulous planning and coordination was required, working closely with the consultants and hospital engineers to complete works to various areas of the hospital whilst ensuring that disruption to staff, patients and visitors was minimised,. Down time for critical systems was kept to an absolute minimum.

BLUESTONE UNIT

HV INFRASTRUCTURE MATERNITY UNIT EXTENSION PAEDIATRIC UNIT T&O UNIT

CLIENT	SOUTH EASTERN HSC TRUST	
LOCATION	CRAIGAVON	
SECTOR	HEALTHCARE	
VALUE	£12 MILLION	











OMAGH HOSPITAL & PRIMARY CARE COMPLEX

OVERVIEW

The colossal 22,900 sq m complex is set on a brownfield site and hosts a range of colocated services under the one roof. This entire hospital is newly built and consists of 6 blocks housing services including a 40 single en-suite bedrooms unit for in-patients for Rehabilitation and Palliative Care patients, a 24 place renal dialysis unit, a Health and Care Centre including modern GP practices and an Urgent Care and Treatment Centre.

In addition it will also provide advanced diagnostic services including a CT scanner and endoscopy services. There are also 3 day surgery operating theatres and 22 recovery beds, specialised AHP, Women's & Family Health and Children's Services.

CLIENT	MCL&H
LOCATION	OMAGH
SECTOR	HEALTHCARE
VALUE	£13 MILLION





LISBURN PRIMARY & COMMUNITY CARE CENTRE

OVERVIEW

Dowds designed and constructed the mechanical and electrical engineering services to the latest HTM & British standards meeting the requirements demanded of the acute hospital facilities in Northern Ireland.

Comprising four floors, this complex provides GP consultation rooms, medical treatment facilities, dentalcare clinics, administration facilities, basement mechanical & electrical plantrooms housing boiler plant, specialist medical gas, electrical switch rooms, HV substation and roof top plant deck comprising HVAC and Photovoltaic Array, sized to help the project meet sustainability targets. In addition, all services associated with the adjoining newbuild multi-storey carpark.

CLIENT	O'HARE MCGOVERN
LOCATION	LIBSURN
SECTOR	HEALTHCARE
VALUE	£8 MILLION



South Eastern Health and Social Care Trust

ALTNAGELVIN HOSPITAL

Dowds have completed various works on Altnagelvin Hospital. The Radiotherapy Unit building provides ground floor treatment rooms including 4 linear accelerator bunkers, MRI scanner suites, CT scanner suites, and plain x-ray, as well as first and second floor offices and respite care, bed wards and isolation suites. North Wing was completed in 2020 with 144 beds delivered along with M&E Infrastructure and services.

ENDOSCOPY SUITE NORTH WEST CANCER CENTRE SOUTH EXTENSION NORTH EXTENSION

CLIENT	WESTERN HSC TRUST	
LOCATION	DERRY/L'DERRY	
SECTOR	HEALTHCARE	
VALUE	£28 MILLION	









ALTNAGELVIN HOSPITAL, RADIOTHERAPY UNIT

OVERVIEW

This prestigious project involved the construction of a new build unit to complement and enhance the existing hospital site. The ground floor is the location of the Radiotherapy Treatment Service, Outpatient Department and the Chemotherapy Treatment Service. The Inpatient Ward is located on the first floor and the Treatment Planning Department, Essential Support Systems and Services for the Radiotherapy Unit are located on the second floor.

It consists of a 6 floor structure with services, a plant area, car parking for staff and patients, ambulance drop of point, Electrical LV and HV rooms, a new Radiotherapy unit with Linear Accelerators and MRI scanner, refurbished and extended Chemotherapy area, Radiotherapy Bed area, admin area and roof top plant rooms.

CLIENT	NHSC TRUST
LOCATION	DERRY/L'DERRY
SECTOR	HEALTHCARE
VALUE	£12.9 MILLION





ALTNAGELVIN HOSPITAL, NORTH WING

OVERVIEW

Dowds completed work on the new main entrance block and North Wing accommodation for Altnagelvin Acute Hospital. Due to the Covid 19 pandemic, three of the new inpatient wards were 'fast tracked' ahead of schedule to manage the COVID-19 'surge' capacity at the hospital and provide additional hospital bed space.

The ward block accommodation comprises 6 new departments with a total of 144 adult single-bed rooms, isolation wards, a renal dialysis suite, basement plantrooms and service tunnels. The new main entrance block now acts as the main entrance to Altnagelvin Acute Hospital. This is connected to the North Ward wing, the existing tower block and the rest of the hospital by a new hospital street.

CLIENT	NHSC TRUST
LOCATION	DERRY/L'DERRY
SECTOR	HEALTHCARE
VALUE	£12.8 MILLION



EDUCATION EXPERIENCE

ULSTER UNIVERSITY

OVERVIEW

The new Ulster University campus spans 7500sqm in Belfast's renowned Cathedral Quarter and will cater up to 15,000 students and staff.

The newly enhanced campus will include 150 classrooms ranging from seminar rooms to large flat floor lecture theatres. A library and student hub space will be embedded into the facilities to promote learning outside the lectures. Ground floor and library will be public accessible and will contain catering facilities, gallery and lecture theatres.

Dowds began works in 2019 as part of an inner city regeneration project within Belfast City Centre, with works to be completed in late 2021.

CLIENT	SACYR
LOCATION	BELFAST
SECTOR	EDUCATION
VALUE	£22 MILLION











KING'S COLLEGE LONDON

OVERVIEW

King's College London is one of the most prestigious universities in the United Kingdom. The Quadrangle building is a two-storey basement located under the existing external quadrangle deck in an area of significant heritage located between the Grade I listed King's Building and Somerset House, stretching between the prestigious areas of The Strand and The Embankment.

Dowds will be working with Main Contractor Farrans to deliver a full M&E package for this prestigious project.

CLIENT	FARRANS
LOCATION	LONDON
SECTOR	EDUCATION
VALUE	£2 MILLION





EAST LONDON ARTS & MUSIC

OVERVIEW

East London Arts and Music Academy in Bromley-by-Bow, Stratford is a world-class music academy based in the heart of London. The pioneering academy is focused on nurturing the next generation of creative talent and shaping the future for creative industries.

Dowds Group were appointed as M&E contractors on the £10m project, which involved the construction of a new-build facility on a restricted site. Dowds remit included the design and installation of all M&E services to the 3150m2 teaching space which caters for 300 trainees and is complete Industry Standard Recording Studios and State-of-the-Art Editing suites.

CLIENT	FARRANS
LOCATION	STRATFORD
SECTOR	EDUCATION
VALUE	£2 MILLION



HARRIS FEDERATION FRAMEWORK

OVERVIEW

Dowds undertook the complete D&B installations at 5 schools concurrently for Harris Academy throughout London. The experience of our delivery team to oversee the frameworks allowed us to maintain our high standards of quality installation across all the schools with no major issues encountered throughout the £70M framework.

HARRIS ACADEMY - EAST DULWICH HARRIS ACADEMY - TOTTENHAM HALE HARRIS ACADEMY - CHAFFORD HARRIS ACADEMY - SHORTLANDS HARRIS SIXTH FORM - WESTMINSTER

CLIENT	FARRANS
LOCATION	LONDON
SECTOR	EDUCATION
VALUE	£15 MILLION









MARJORY KINNON SEN

OVERVIEW

Dowds Group was appointed as the MEP Design and Build contractor of the new Marjory Kinnon Special Education Needs School, for London's Hounslow Borough Council, with lead contractor Farrans. The £30m 2 storey education project, provides over 9,500m² of teaching space to cater for 288 pupils, and features an array of therapy and physical activity spaces, geared towards quality learning, in a safe, flexible environment.

As this was a BIM Level 2 project, we engaged our in-house BIM department from a very early stage, to feed into the design process, ensuring buildability, and providing practical knowledge, where necessary, throughout the design stage.

CLIENT	FARRANS
LOCATION	HOUNSLOW
SECTOR	EDUCATION
VALUE	£4.6 MILLION




OAKLANDS SEN

OVERVIEW

We delivered full M&E installations to Oaklands SEN which included use of a CHP unit and PV panel array to enhance energy efficiency of M&E installations. This scheme hit the target of meeting the environmental standard of BREEAM 'very good' and was designed and delivered to meet BIM level 2. This live school site required compliance to adhere to the extremely demanding London Plan, 90KMP PV array installed on roof, significant AV installation in sports hall and music studio, evacuation lifts installed and sensory rooms within the building installed to specific DDA requirements.

CLIENT	FARRANS
LOCATION	HOUNSLOW
SECTOR	EDUCATION
VALUE	£4.5 MILLION





NORTHWOOD SCHOOL

OVERVIEW

We delivered a successful M&E package on the remarkable new building for Northwood Secondary School in Hillingdon, London. The London Borough of Hillingdon and the Education Funding Agency funded this £35 million development.

The new school building accommodates 1,050 pupils, it has three storeys and measures 9,800 square metres in size. In total there is 53 classrooms which include, science rooms, a science garden, specialist design and technology rooms, a large library, a large art room, sixth form study and social areas, special education needs room, a spacious sports hall and an outdoor learning terrace.

CLIENT	FARRANS
LOCATION	HILLINGDON
SECTOR	EDUCATION
VALUE	£6.3 MILLION





QUEEN MARY UNIVERSITY

OVERVIEW

King's College London is one of the most prestigious universities in the United Kingdom. The Quadrangle building is a two-storey basement located under the existing external quadrangle deck in an area of significant heritage located between the Grade I listed King's Building and Somerset House, stretching between the prestigious areas of The Strand and The Embankment.

Dowds will be working with Main Contractor Farrans to deliver a full M&E package for this prestigious project.

CLIENT	GRAHAM
LOCATION	BETHNAL GREEN
SECTOR	EDUCATION
VALUE	£7 MILLION



LEISURE EXPERIENCE

BELFAST LEISURE TRANSFORMATION

Dowds Group was an integral part of the team that completed two state-of-the-art leisure centres in the first phase of Belfast City Council's ambitious Leisure Transformation Programme. A third leisure centre has been completed, shortly after Brook and Lisnasharragh, which Dowds also provided its services to – The Andersonstown Leisure Centre.

We were contracted to provide comprehensive Mechanical and Electrical services for Lisnasharragh Leisure Centre and Brook Leisure Centre, on a site close to the former Brook Activity Centre in Twinbrook. Part of a £105m investment in Belfast's leisure services, M&E work on the new sports facilities would eventually overlap.

LISNASHARRAGH LEISURE CENTRE BROOK LEISURE CENTRE ANDERSONSTOWN LEISURE CENTRE AVONIEL LEISURE CENTRE

CLIENT	HERON BROS
LOCATION	BELFAST
SECTOR	LEISURE
VALUE	£12 MILLION









SOUTH LAKES LEISURE CENTRE

OVERVIEW

We completed the full Mechanical and Electrical package for the new state of the art South Lake Leisure Centre, Craigavon – one of the largest public sector construction projects within Northern Ireland in recent years. The new multi-use sports and leisure complex represents a major new flagship health and wellbeing destination.

The new leisure centre features a 50m pool, learner pool and leisure pool, the largest gym in Northern Ireland featuring state-of-the art equipment, spin and dance studios. It also includes an extensive health and wellbeing suite, activity rooms, squash courts and a large sports hall suitable for a variety of sporting activities, as well as expansive outdoor water sports provision.

CLIENT	FARRANS
LOCATION	CRAIGAVON
SECTOR	LEISURE
VALUE	£8.4 MILLION





BANGOR AURORA & LEISURE COMPLEX

OVERVIEW

The 15,374sq.m facility included the Olympic sized 10 lane swimming pool incorporating two moveable floating floors and two submersible booms, a 25m diving pool, a themed family fun area including a wave pool, water slides, flumes, interactive water play features and bubble pools, a health and fitness suite, a conditioning suite, an 8 court main sports hall, a cafe, 2 function rooms, a minor sports hall, 2 squash courts, a creche, children's soft play area, changing facilities for 6 outdoor football pitches.

CLIENT	FARRANS
LOCATION	BANGOR
SECTOR	LEISURE
VALUE	£7 MILLION



COMMERCIAL EXPERIENCE

THE OLD GRAMOPHONE WORKS

OVERVIEW

Designed with sustainability in mind, The Dock is a beautiful building with a wealth of innovative features and a BREEAM Excellent status. Expressed timber construction and exposed concrete columns create a unique interior, while the green roof, solar shading and outdoor terraces continue the environmental theme outside.

Dowds are completing the Mechanical and Electrical installations in this exciting new project boasting 64,132 sq. ft of office accommodation and 2,400 sq. ft reception and event space.

CLIENT	GRAHAM
LOCATION	LONDON
SECTOR	COMMERCIAL
VALUE	£5 MILLION







BEDFORD HOUSE

OVERVIEW

Bedford House is a multi-storey 1634m² premium office complex in Belfast City Centre.

We have completed full MEP installations and high end fitout within Bedford House, including the refurbishment of the new entrance and reception, mezzanine areas and the refurbs of various business tenants in the building; ARUP, Ernst & Young, Cowen, Marsh, Causeway Asset Management, and Skytrain Gym.

CLIENT	BEDFORD HOUSE
LOCATION	BELFAST
SECTOR	COMMERCIAL
VALUE	£3 MILLION









CAUSEWAY ASSET MANAGEMENT



ARUP ENGINEERING CONSULTANTS





ERNST & YOUNG



SKYTRAIN GYM



FINNEBROGUE ARTISAN

Dowds have a longstanding partnership with Finnebrogue Artisan. We were initially entrusted as Main Contractors to oversee the construction of state of the art food manufacturing facility at Finnebrogue Down Business Park, which included the complete design and build of all M&E installations.

The successful completion of this prestigious project led onto Finnebrogue Bacon Factory & Finnebrogue Vegan Factory.

Most recently in 2021, we completed the Build and M&E works of Finnebrogue's latest £24M factory expansion, Finnebrogue OTB.

FINNEBROGUE DOWN BUSINESS PARK FINNEBROGUE BACON FACTORY FINNEBROGUE VEGAN FACTORY FINNEBROGUE OTB

CLIENT	FINNEBROGUE ARTISAN	
LOCATION	DOWNPATRICK	
SECTOR	COMMERCIAL	
VALUE	£55 MILLION	











MUSEUM STORAGE FACILITY

OVERVIEW

This prestigious Museum Storage Facility in Stratford, London will span 16,000m², purposebuilt for over 250,000 objects, 350,000 library books and 1,000 archives.

We are currently on site with Mechanical and Electrical installations progressing well.

CLIENT	NDA
LOCATION	STRATFORD
SECTOR	COMMERCIAL
VALUE	£12 MILLION



ABERDEEN ART GALLERY

OVERVIEW

We completed the M&E contracts on the prestigious Aberdeen Art Gallery. This extensive refurbishment and development contract involved the construction of new educational facilities in the Aberdeen Art Gallery, the upgrade of performance and reflection spaces and the creation of 21 new galleries from previously unused space. This was a highly complex building from a MEP perspective, which included HVAC package consisting of humidification control within the galleries. We worked closely with DKAV for the interactive exhibits, streaming media services and digital projection.

CLIENT	MCL&H
LOCATION	ABERDEEN
SECTOR	COMMERCIAL
VALUE	£6.9 MILLION



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