

ADRIAN MONTAGUE

Nationality	British
Year of Birth	1978
Profession	Chartered Mechanical Engineer
Specialisation	Mechanical and public health building services
Position in Group	Principal Mechanical Engineer – Western Division
Year of joining Group	2008

KEY QUALIFICATIONS

A chartered principal mechanical and public health design engineer within the Western division of Buildings and Infrastructure with an extensive background in multidisciplinary consultancy and wide project experience in design and project management within the education, rail, industrial and commercial sectors.

In addition to standard design services, extensive experience in building dynamic simulation, low carbon consultancy and project/financial management.

EDUCATION AND PROFESSIONAL STATUS

Chartered Engineer

BEng (Hons) Mechanical Engineering, University of Wales, Swansea, 2000

Member of the Chartered Institution of Building Services Engineers

EXPERIENCE RECORD

2008 – present MOTT MACDONALD GROUP

2015 – present Principal Mechanical Engineer – Western Division

South Kensington Upgrade LUL, UK – Bid manager producing multidisciplinary tender return for £19 million upgrade to South Kensington underground station for the provision of step free access and capacity increase.

2008 – 2015 Senior Mechanical Engineer – Eastern Division

West Bar, Urbo Ltd, Sheffield – Lead building services engineer providing infrastructure and sustainability advice for £200 million mixed use development in the heart of Sheffield on existing brownfield site.

Buxton All-through School, Bowmer and Kirkland Ltd – Lead building services engineer responsible for the production of invitation to tender and contractor proposals submissions for 1800 pupil school located within the heart of London. Role included negotiation with local borough planning with regard the application of the London Plan.

Kuala Lumpur Blue Line, Malaysia – Acted as mechanical design and coordination engineer working in Kuala Lumpur delivering Stage F detailed design for Pasar Rakyat underground station and

two underground portal buildings. Deliverables included full 3D detailing and equipment modelling within Revit.

General Electric Factory, Skelmersdale – Working as a sub consultant to Rider Levett Bucknall, responsible for delivering mechanical and public health building services for the acquisition and fit out of an existing industrial unit for General Electric.

Defence Infrastructure Organisation, Army Basing – Building services lead on the development and delivery of a baseline design guide web based solutions library for Defence Infrastructure Organisation (DIO). The solutions library identifies a series of baseline designs for key MoD building types such as service facilities accommodation, single living accommodation, messes and welfare facilities and technical facilities. The aim of the solutions library was to provide DIO with an easily updatable repository of baseline design solutions that will provide future industry partners with the best information possible to help them deliver effective solutions in terms of functionality, quality and cost. Responsible for the evaluating and assessing existing building designs including on-site and plan/document based evaluation, identifying baseline designs, producing relevant data for incorporation within the solutions library.

Defence Infrastructure Organisation, Army Basing – Responsible for mechanical and public health surveys of existing installations across 150 buildings covering two sites in North Yorkshire. Reporting capacity and condition of the above systems along with suitability as part of site capacity and use assessment studies.

Education Funding Agency (EFA), Priority Schools Building Programme – Technical advisor carrying out invitation to tender scoring, contractors' proposals assessment and general guidance on 13 schools across EFA's Midlands batch 1 and 2.

RNAS Yeovilton, Project WINFRA – Lead mechanical and public health engineer carrying out design of Contract 5 facilities comprising new senior ratings mess and accommodation building, dental centre, sports hall, sports pavilion and refurbishment of existing medical centre to RIBA Stage D for returning squadrons and the colocation of Wildcat helicopter facilities. In addition responsible for carrying out checks of Contract 2 and 4 packages to ensure consistency and compliance.

Mosaic Stadium, Regina, Canada – Lead mechanical engineer responsible for the production of RIBA Stage C design information for a new 33,000 seat stadium. The new CAD\$278 million facility will replace the existing stadium which is home to the Saskatchewan Roughriders Football Club.

University of Huddersfield, Student Learning and Leisure Centre – Lead mechanical engineer for the RIBA Stage D design of a £15 million upgrade and extension to the University of Huddersfield. The project included decentralisation of the existing district heating and a new 6000m² sports facility. Following completion of stage D continued in the role of technical advisor to the University.

University of Huddersfield, District Heating Removal – Lead mechanical and public health engineer responsible for the detailed design of a new 3MW boiler plant and satellite small capacity installations to enable the removal of an existing district heating system.

HM Prison Leeds – Provided building services advice and assistance to Vinci Construction UK in the formulation of their tender submission for the design and construction of a new 2000m² reception and discharge building.

Halton Building Schools for the Future (BSF), The Grange – Lead building services engineer during the construction period of an £18 million new build exemplar all through school project incorporating nursery, junior and secondary pupils. Responsibilities included responding to contractor queries and reviewing technical submittals provided by mechanical and electrical sub contractors.

British Library, Newspaper Storage Building – Clerk of works reporting to the project manager on the quality and suitability of the building services installation for a new low oxygen storage facility.

Kuala Lumpur Blue Line, Malaysia – Financial controller responsible for monitoring and reporting earned value analysis associated with design and Revit works of a new metro station (Cochrane) to be created as part of the Kuala Lumpur Blue Line project in Malaysia.

Shanghai International Finance Centre – Acted as UK liaison between a British architect and Chinese services engineers for the Stage C development of two seventy story towers, nine office/retail buildings and a hotel to be created as part of the Shanghai Bund.

Victoria Station Upgrade, London – Category II checker and signatory of the Stage E and F designs of mechanical life safety systems provided as part of the upgrade works to build new entrances and ticket halls, to improve the existing entrances and ticket hall and to construct a new passenger link tunnel at the London Underground station.

Obagi Camp Upgrade, Nigeria – Project manager for the design of a new large scale catering facility to be provided as part of development of TOTAL oil camp located in Nigeria.

Tottenham Hale Bus Depot – Project manager and engineering lead for the demolition and redesign of a new bus depot for Transport for London as part of the Tottenham Hale Gyratory project.

St George's University, London – Project manager and mechanical client technical advisor for the construction of a second phase accommodation building for medical students. Continued this role (including design up to Stage D) for the associated learning space which encompassed 2,000m² of refurbishment.

Sheffield Building Schools for the Future (BSF), Bradfield and Notre Dame School – Lead mechanical engineer carrying out production of performance specification and provision of ongoing technical review of subcontractor's design for a new build £21 million secondary school and associated refurbishments.

Sheffield BSF, High Storrs School – Lead mechanical engineer carrying out detail design of mechanical and public health building services for the £25 million refurbishment and extension of an existing music and performing arts specialist secondary school. The school comprises an original 1930s Grade II listed art deco grammar school which required remodelling to exacting standards that retained many original features.

Sheffield BSF, Bents Green – Lead mechanical engineer carrying out detail design of mechanical and public health building services design. The £12 million redevelopment comprises three components; a new three-storey building creating circa 3,000m² of accommodation, the refurbishment of an existing two-storey post 16/specialist unit and the refurbishment and reconfiguration of a building dating from the 1700s to contain respite and permanent residential facilities for up to 20 students.

2006 – 2008 **SCOTT WILSON PLC**
Senior Mechanical Engineer – Nottingham

East London Line Project, Haggerston Station – Lead mechanical and public health design engineer for Form B design of new station covering staff, public and equipment areas.

Victoria Line Upgrade, Manor House and Wood Green – Lead mechanical design engineer for provision of cooling and ventilation strategies to remove heat gains from refurbished substations. Works included survey of existing building and systems, thermal modelling and production of concept designs.

Doncaster Schools, Mexborough and Edlington – Mechanical and public health design engineer for Stage D design of new secondary schools with ongoing technical checking subcontractor designs.

Reading Station Redevelopment, Network Rail – Consultant to Network Rail for the production of scope and requirement document issued as station brief to tendering multidisciplinary consultancies.

Habitat UK, Framework Agreement – Mechanical design engineer for retail unit concept designs for three new units within multi-outlet developments.

Crossrail, Old Oak Common, Ilford, Clacton and Northpole Depots – Provided mechanical and public health services input into Guide to Railway Investment Projects stage three documents.

2004 – 2006 **HALEYS-RAP**
Mechanical Engineer – Nottingham

Alfa Hangar, RAF Waddington – Design engineer for mechanical services to be installed within a new office and maintenance building providing back-up and support to aircraft hangar. The main building system was a four pipe fan coil installation.

Children's Centres, Leicester – Design engineer for mechanical services for four existing buildings which were converted into children's centres under the government scheme.

2002 – 2004 **FABERMAUNSELL**
Graduate Mechanical Engineer – St Albans

Grand Arcade, Cambridge – Design engineer for mechanical and public health services at a new retail centre development.

The Wellcome Trust, Hinxton – Design engineer for mechanical services within new data centre, scientific research facility and laboratory suite. In addition to standard services system, designs included clean rooms and hydrogen peroxide sterilisation rooms.

LANGUAGE CAPABILITY

English : Mother tongue