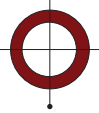


MO-ASSOCIATES



CIBSE **CARBON**
LOW ENERGY
ASSESSORS

CIBSE Air Conditioning Inspectors
do more than simply 'count carbon'...



We could help
lower your
energy bills

CIBSE **CARBONCONSULTANTS**



We could help
lower your
energy bills



Contents

About Us	4
Services	6
Projects by Sector	12
Clients	22
Contact Us	24

About Us

*“consultancy across a wide range of
building services disciplines”*

About Us

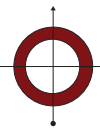
The practice was formed in 1998 and the office is active in the commercial, residential, industrial, health and recreation sectors- both new build and refurbishment projects. The practice is able to provide full design and consultancy including Project Management services.

MO Associates is a consulting engineering practice, offering clients consultancy across a wide range of building services and specialising in the design of sustainable, energy-efficient buildings and the built environment.

MO Associates offer a one-to-one service and caters for each client's individual needs, rather than offering a generic package to all.

Services

“A one-to-one service that caters for each individual client’s needs”

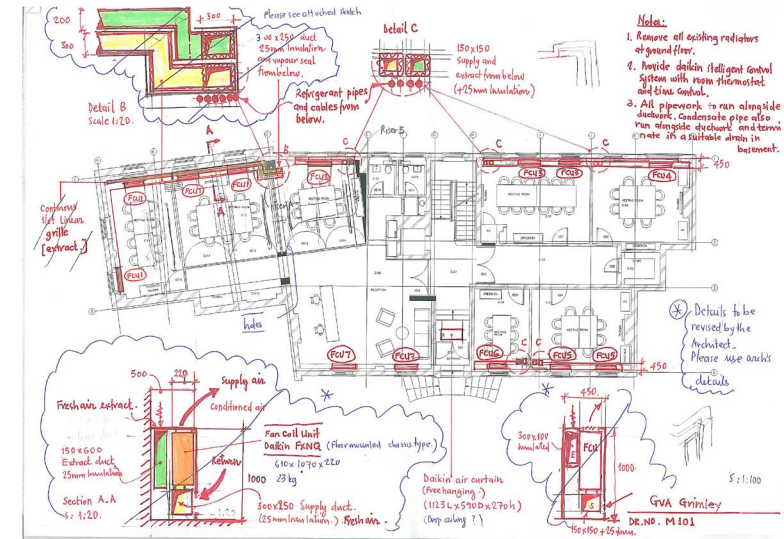


Services

Building services, engineering design & consultancy

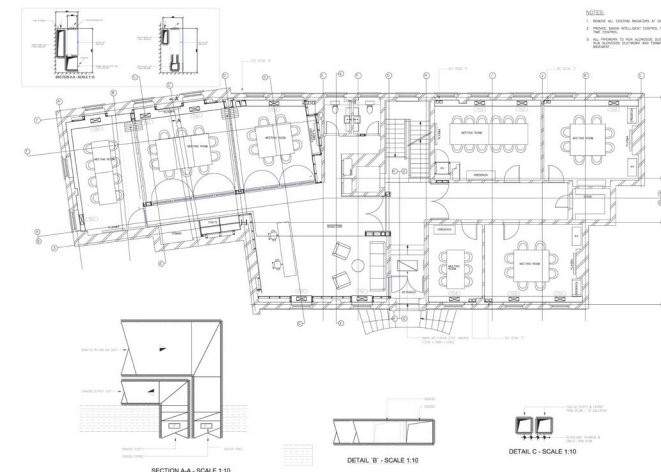
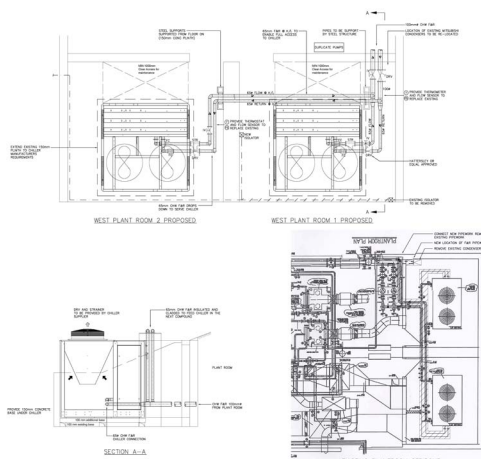
Engineering design is our competent business. We have been designers for more than 25 years and have expertise in every field of engineering. We are able to provide the full spectrum of building services engineering design and consultancy services.

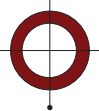
We have associates in the field of structural, civil, mechanical and electrical engineering and can put together teams for any type and size of project.



Grays Inn Road: mechanical services designed for office accommodation in London

Cookham House, Reading, UK: chiller replacement project





Sustainability

MO Associates are low carbon consultants operating at the forefront of the building industry, advancing the prospects of design. The practice has experience and expertise in providing low energy solutions for building designs and building services installations. The current legislation and future proposals have put great emphasis on developers and construction professionals to fulfil the need for producing low carbon buildings and to comply with Climate Change Commitments set by the government. The practice has been involved with many prestigious developments and existing buildings to provide Low Carbon solutions from day one.

The practice is also registered to provide the following certification services:

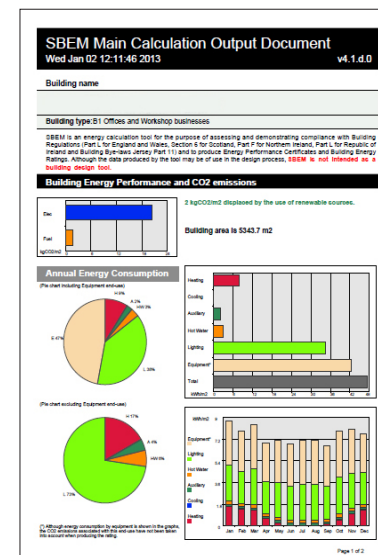
- SBEM certification
- DEC certification
- EPC certification
- BREEAM
- Code for Sustainable Homes

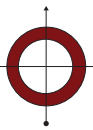
Visit www.sbemdesign.com for further information.

Energy surveys, studies & CO₂ reduction recommendations

The audit will cover the entire energy usage of all buildings and processes and will consist of a comprehensive survey, followed by an investigation

Office building: energy predictions





into the opportunities for reducing wastage, using existing facilities and new techniques or renewable equipment, to achieve an overall cost reduction - whilst maintaining or improving comfort levels and/or production rates. Water is included because its use is partly interrelated with energy and because we can usually identify savings opportunities in that area.

SBEM & EPC

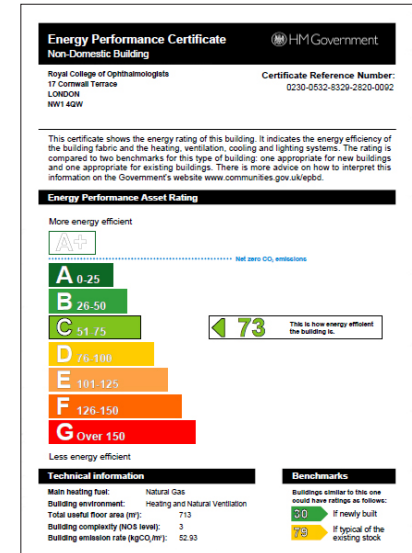
Our CIBSE Low carbon consultants can produce sustainability reports and SBEM calculations in accordance with the Building Regulations and local authority requirements in compliance with LZC; low zero carbon designs. EPC (Energy Performance Certificates) can also be produced effectively and economically. Please feel free to ask for a quote.

DEC

Our CIBSE registered assessors can produce DEC's with recommendations very economically. You are welcome to ask for a no commitment quotation, please feel free to complete our 'get a quote' service online (www.mo-associates.co.uk) or give us a call.

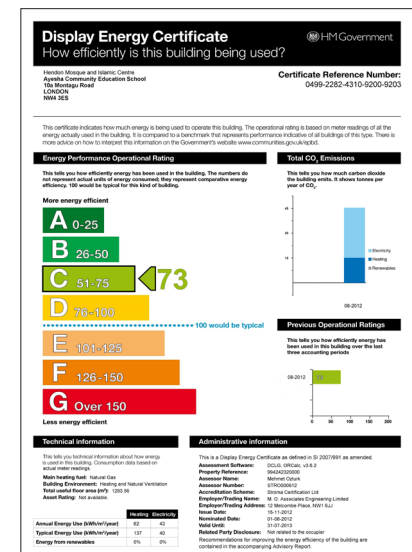
HVAC inspections

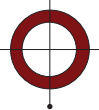
Our CIBSE registered approved inspectors can provide air conditioning inspections economically and effectively giving details and recommendations to save energy and comply with the regulations.



Royal College of Ophthalmologist

Ayesha Community Education School





Systems over 12kW must be inspected. This work must be carried out by an accredited inspector. You are welcome to ask for a no commitment quotation.

BREEAM

MO Associates can provide BREEAM Assessor services for Commercial and Bespoke Developments.

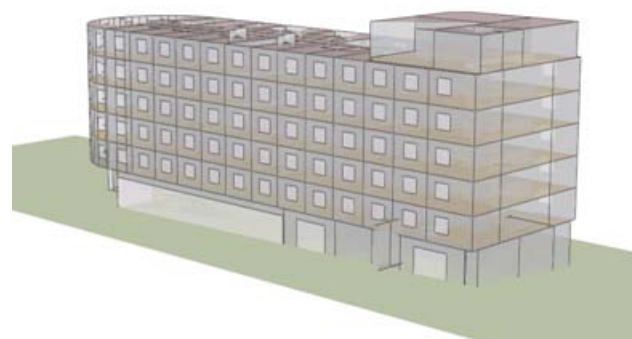
www.breem.org

Code for Sustainable Homes

MO Associates offers Code for Sustainable Homes Assessor services to minimise energy usage in homes from construction to occupation. The code is a national standard that underpins many of the current Building Regulations, aiming to reduce our carbon emissions and create homes that are more sustainable. For advice, assistance or a quotation, please do not hesitate to contact us.

Compliance with local planning policies

We provide sustainability statements and BREEAM pre-assessments as needed by the planning authorities. These are done in accordance with local planning policies.



BREEAM 2011 New Construction Assessment Report: Assessment base Scoring

BREEM

Building name: Hotel site, Land Adjacent to Catholic Church
 Building category: 70.000
 Building phase: Very Good
 Minimum standards level achieved: Very Good level

Management | Health & Wellbeing | Energy | Transport | Water
 Land Use and Ecology | Materials | Waste | Innovation | Pollution

ENERGY

En101 Reduction of CO₂ Emissions

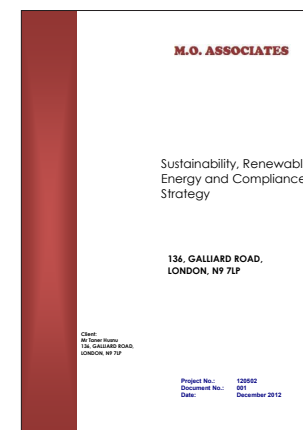
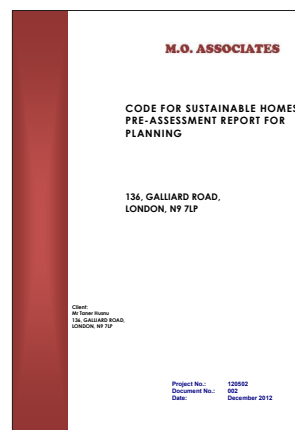
No. of BREEAM credits awarded	15	Available contribution to overall score	10.96%
No. of BREEAM innovations used to available	5	Minimum standards applicable	Yes

Note: Data for the En101 Calculator is sourced from the Building Regulations Output Document from the approved software (in the technical data sheet in the 'Energy and CO2 emissions summary' table)

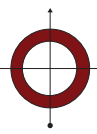
En101 Calculator and Key Performance Indicators

Building floor area	4422	m ²
National building energy demand	217.28	kWh/m ² /annum
Actual building energy demand	282.22	kWh/m ² /annum
National building energy consumption	255.51	kWh/m ² /annum
Actual building energy consumption	255.51	kWh/m ² /annum
Target Emission Rate (TER)	19.80	kgCO ₂ /m ² /annum
Building Emission Rate (BER)	17.25	kgCO ₂ /m ² /annum
Building improvement over TER	20.00%	

Woolwich Arsenal Hotel: BREEAM assessment services



Code for Sustainable Homes assessment and feasibility study carried out for private client



We provide renewable energy solutions including wind turbines and photovoltaic installations, ground and air source heat pumps, CHP (Combined heat and power installations) together with absorption chillers for low carbon buildings. We are experts in providing proposals for low carbon buildings and have thermal modelling capabilities.



Thermal
solar
panel

Plashtet Grove: mechanical
services designed



Surveys and technical appraisals with design feasibility studies

- Pre-acquisition surveys
- Schedule of dilapidations
- Condition surveys
- Lease obligation assessments
- Fit for purpose reviews

- Technical appraisals
- Landlord approvals

Professional advice: The practice can provide general building services advice and support to the property industry including: building surveyors; property owners; managing agents & tenants, presenting information in a commercial format.

Project management & CDM consultancy

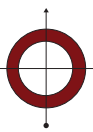
MO Associates has experience and expertise in construction design and management regulations and are able to provide advice and CDM services to clients. We have been providing CDM services since they were first introduced in the UK. We have well-developed ways of controlling the process and helping clients / design teams and contractors to achieve successful building instructions.

Operational consultancy

- Maintenance tendering
- Maintenance supervision
- Commissioning management & commissioning consultancy
- Term consultancy / contract monitoring & audit service
- Facilities management consultancy

Projects by Sector

*“a trusted name within a range of
sectors”*



Projects by Sector

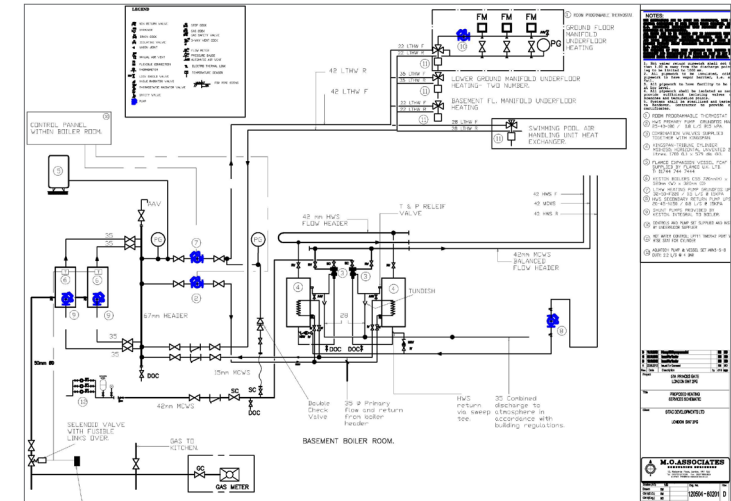
Housing and local authority

MO Associates has been appointed to carry out mechanical electrical surveys and designs for housing and commercial departments of some local authorities and private clients:

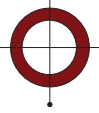
Naseby Road Estate (Kettering BC) - Barnet council, planning department
 energy advice - Hillingdon Borough council, civic centre - London
 Borough of Hackney



2 Avenue Road, Pinner



Princes Gate: mechanical schematic for luxury flats



Commercial developments

We have had design experience for various retail outlets and developments completed over the past, are as follows:-

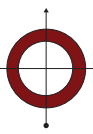
- Marks and Spencer convenient stores
- Sainsbury's supermarkets Ltd, Home base and Savacentre. (Various specialised developments have been undertaken in conjunction with these retail developments including petrol filling stations.)
- Day Care/Nursery Centres
- Motor industry workshop and showrooms
- Offices parks
- Public open spaces
- Coffee shops and cafes

Diageo offices



Empress State offices

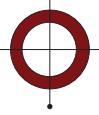




International Petroleum Exchange, International House, St Katherine's Dock: MO Associates provided consultancy services for provision of air conditioning systems for the International Petroleum trading floor.

195-197 Old Marylebone Road, London: VAV air conditioning with a revolutionary rooftop packaged plant room incorporating boiler room, air cooled chiller and a VAV air handling unit. (1990 Taymech Ltd.)





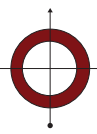
Public sector

We have completed design and supervision works for number of public sector buildings. These commissions included; designing of M&E services and providing energy advice under the Government's energy efficiency programmes.

- Home Office - prisons; HMP Sutton Valence, Maidstone, Kent
- Hospitals
- Schools
- London Underground services



Department of Culture, Media and Sport (DCMS), who staged the 2012 Olympic Games: provision of energy survey and production of DEC for the government building in Central London.

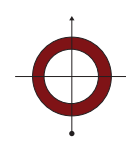


London Underground stations:

A number of underground stations have been designed and managed under Capita Symonds consulting engineers. These included Temple Station, Chancery Lane and Sloane Square.

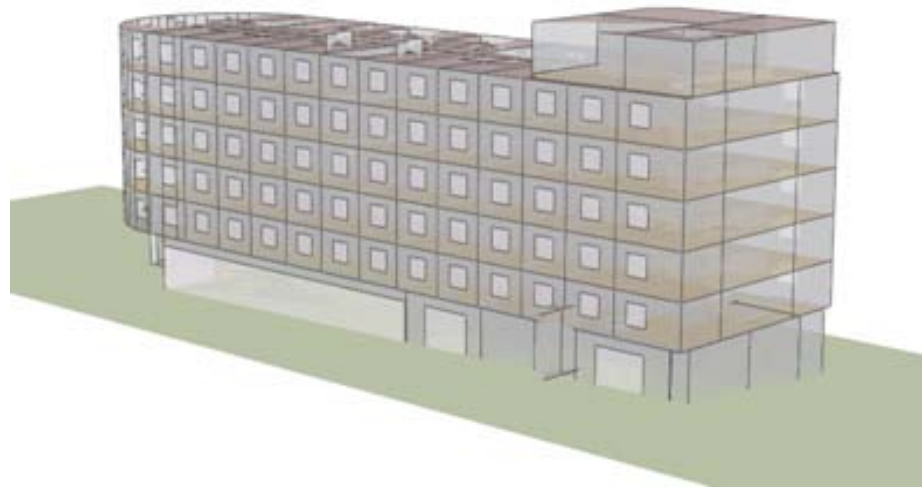
Angel Station has been developed by Taylor Woodrow Construction and we were involved on the MEP services design. We were also involved with ensuring the safety of London stations after the fire at Kings Cross Station. Work has been carried out under Taylor Woodrow Construction Ltd.

Other projects include Severn Trent tunnel ventilation (under River Trent) refurbishment (original design by Brunel.) Work carried out under Taylor Woodrow.



Sport & leisure

- Sports centres
- Stadiums
- Hotels
- Recreational centres

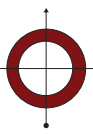


Woolwich Arsenal Hotel:
BREEAM assessment

Basra Sport City; design checker for the project

A prestigious project incorporating: training facilities, state-of-the-art 65000 seat football stadium, housing ticket booths and entrance gates, hotels and apartments. It is a completely self-sufficient project including energy generation, a water treatment plant and is home to the Iraqi national teams. Project MEP services are managed with Malachy Walsh and Partners. AMBS / BWS (Baker Wilkins) are the lead design management consultants representing the client. Edge Structures, Arturus Architects are responsible for the Architectural compliance with FIFA requirements. The project is designed by 360 Architects based in Kansas USA, and WSP+FK based in USA. The complex will be ready for the opening of Arab Golf Tournament in 2013.





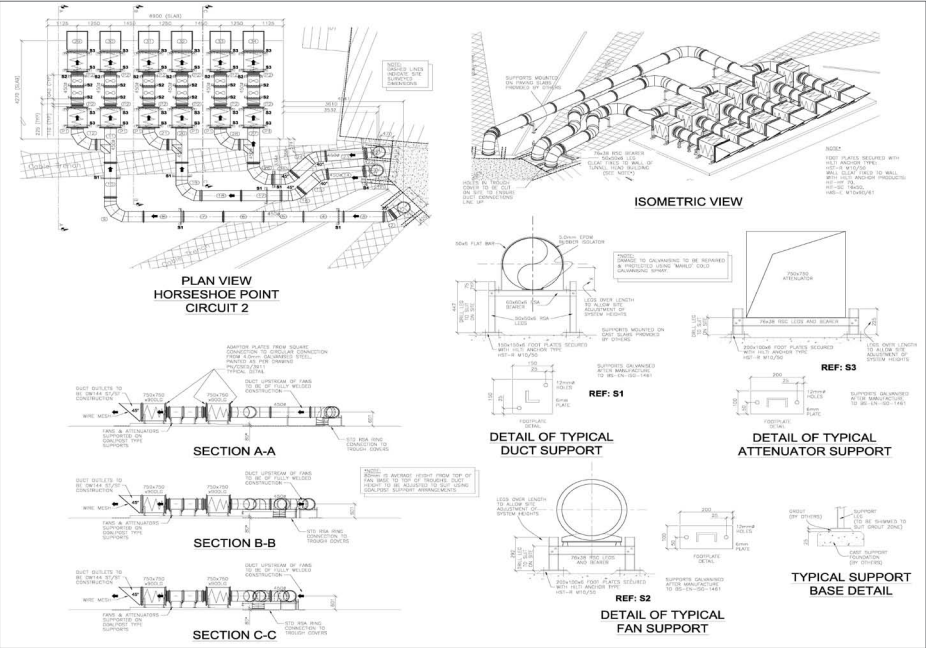
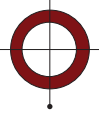
Harte and Garter, Windsor: this hotel had been refurbished with the consultant being Mendick Waring Ltd, Finchley and MO Associates were the engineers working under this company. The Grade II listed building, located in front of Windsor Castle, was completely refurbished to include air conditioned bedrooms, spa, restaurants at ground level (such as Wagamama) and function halls.

Hoxton Hotel, London



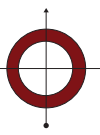
Bradford Holiday Inn Hotel: sustainability, renewable energy and compliance with Part L study





National Grid:

Tunnel ventilation design / commissioning checks carried out and verified for a consulting engineering client



Crowford Barge-to-office conversion: all services designed to comply with the marine requirements.

Croydon Data Centre:

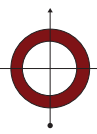
Data centres have been designed under the umbrella of Dunwoody and Partners. Croydon Data centre has been designed for Spectrum. The clients included DB and BT.

Services included: designing of close control environmental air conditioning systems, ventilation, fire suppression and emergency systems (1.5 kW/m² cooling load).



Clients

*“We are experienced with private,
public and commercial clients”*



Clients

nationalgrid



Sainsbury's plc
Marks and Spencer

Diageo

Home Office

National Grid

Holiday Inn

Royal College of Ophthalmologists

London Underground

Harte and Garter Hotel

MITIE

Malachy Walsh

Freddy's Ltd.

London Borough of Barnet

London Borough of Hackney

London Borough of Hillingdon



THE ROYAL COLLEGE OF
OPHTHALMOLOGISTS



Contact Us

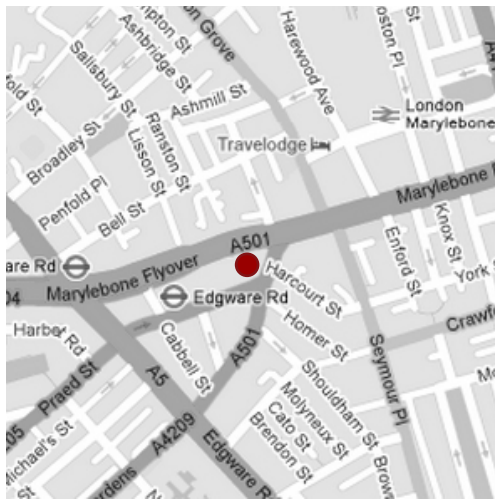
MO Associates,
12 Melcombe Place,
London
NW1 6JJ

Tel:+44 (0) 20 31571026

Fax:+44 (0) 20 71835853

info@mo-associates.co.uk

www.mo-associates.co.uk



MO-ASSOCIATES