

# Services



Image © Miller Hare

# About Hilson Moran

Hilson Moran is a leading multidisciplinary engineering consultancy for the built environment.

Established in 1977, we have over 350 staff working from offices in London, Farnborough, Manchester, Milan and Abu Dhabi.

Our building services, structural engineering and sustainability groups work alongside specialist teams focused on vertical transportation, intelligent buildings, light and visual environments, acoustics, fire engineering and facilities management.

An established expert in energy, sustainability and environmental issues, Hilson Moran employs advanced building simulation software to analyse the performance of buildings.

The inclusion of a structural engineering capability enables the practice to offer stand-alone structural engineering services or fully-integrated multidisciplinary design solutions.

Hilson Moran's portfolio spans new-build, fit-out and refurbishment projects in the commercial, residential, retail, leisure, industrial, education and healthcare sectors. We specialise in high-rise and high-resilience buildings and can provide full design services through to peer reviews.

In the last 31 years, the firm has undertaken over 4,500 projects including some of the most innovative and iconic buildings in the world, for example: 30 St Mary Axe for Swiss Re, 20 Fenchurch Street and The Pinnacle in the City of London; several landmark schemes at Canary Wharf; and Tameer Towers in Abu Dhabi.

The following pages offer a comprehensive list of our services.



 **HILSON MORAN**  
Sustainability

Air Quality Assessments and Monitoring, BREEAM and Ecohomes Consultation, Building Regulations Part L 2006 Assessments and Compliance Guidance, Building Thermal Load Assessments, Built Form Computational Aerodynamic Assessments, Climate Change Mitigation and Adaptation, Code for Sustainable Homes Certification, Cogeneration/Tri-generation Studies, Contaminated Land Risk Assessments, Data Room Critical Failure Modelling, Ecological Assessments, Energy and Carbon Emission Footprinting, Energy Strategy and Feasibility Studies, Environmental Due Diligence and Auditing, Environmental Impact Assessments (EIA), Environmental Management Systems, Expert Witness and Litigation, Façade Environmental Performance Design and Optimisation, Flood Risk Assessments, Habitat Surveys, Integrated Pollution Prevention and Control (IPPC), ISO 14001 Implementation, LEED Consultancy and Assessments, Life Cycle Costing Evaluation, Low and Zero Carbon Energy Systems (Renewables), Natural Ventilation and Mixed Mode Design, Passive House Design, Plume Dilution Modelling, Post Occupancy Evaluation, Public Realm Pedestrian Comfort Analysis, Specialist Facility Modelling (Clean Rooms and Operating Theatres), Sun Path and Solar Signature Assessments, Sustainability Appraisals, Thermal Comfort Assessments, Waste Management Strategy, Water Conservation Strategy



 **HILSON MORAN**  
Building Services

Infrastructure Planning and Design, Mechanical Services Design and Specification, Electrical Services Design and Specification, Public Health Services Design and Specification, Feasibility Studies, Peer Reviews, Computer Aided Design, Contracts Management, Contract Administration



 **HILSON MORAN**  
Structural Engineering

Feasibility Studies, Structural and Condition Surveys, Concept and Scheme Design, Detailed Design, Construction Documentation, Site Administration, Peer Reviews, Due Diligence



 **HILSON MORAN**  
Vertical Transportation

New Lift and Escalator Design, Modernisation Projects, Façade Access, Maintenance Monitoring, Traffic Analysis and Simulations, Tender/Procurement, Project Monitoring, Commissioning Monitoring, Contract Administration, Surveys and Reports



 **HILSON MORAN**  
Intelligent Buildings

IT and ELV Systems, WiFi Wireless Access Point Design, Smart Home/Home Automation, IP Telephony, Building Integration Systems, Building Management Systems, Closed Circuit Television Systems, Access Control, Security Patrol and Door Entry, Security Intruder Alarm Systems, Fire Fighting Telephone and Disabled Refuge Comms, Fire Alarm and Detection Systems, Vehicle Management Systems, Structured Cabling Design and Specification



 **HILSON MORAN**  
Light & Visual Environments

Interior and Exterior Lighting Design, Feature (Architectural) Lighting, Theatre Lighting Design, Visualisation and 3D Modelling, Colour Consultancy, Public Realm Lighting, Daylight Assessment and Design, Bespoke Luminaire Design, Light and Glare Pollution Studies



 **HILSON MORAN**  
Acoustics

Noise and Vibration Monitoring, External Noise Level Modelling, External Façade Acoustic Design, Building Services Noise and Vibration Control, Internal Sound Insulation, Internal Room Acoustics Modelling, Audio Simulations and Demonstrations, Environmental Noise and Vibration Assessments, Commissioning Measurements and Testing



 **HILSON MORAN**  
Fire Engineering

Masterplanning, Concept Design Review, Fire Strategy Development, Fire Engineering Solutions, Fire Modelling, Fire Risk Assessments, Fire Suppression, Fire Detection, System Design and Specification



 **HILSON MORAN**  
Facilities Management

Procurement of Service Contracts, Management and Monitoring, Outsourced Engineering Management, Strategic Advice, Technical Support, Energy Auditing and Benchmarking, Display Energy Certificates, Energy Performance Certificates, Air Conditioning System Inspections, Forward Maintenance Planning, Condition Surveys, Dilapidations Surveys, Pre-acquisition Surveys, Vendor Surveys, Licence for Alteration Reviews, Refurbishment and Replacement, Building Management System Upgrades, Selection and Implementation of Maintenance Management Systems, Contract Administration

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