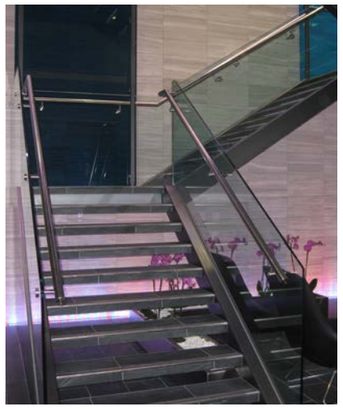
Specialist Steelwork Contractor

ASME

ENGINEERING LTD

Overview

ASME Engineering is a leading steel engineering company, supporting successful projects across the Southeast of England from its base in Harrow. ASME designs, manufactures and assembles CE Marked structural steelwork and architectural metalwork for construction industry projects of all sizes. Major clients include: COMO; BWI; J Coffey Contractors; Erith Contractors; Collins Construction; ISG; O'Halloran & O'Brien; Skanska; Willmott Dixon; and STRUCTURETONE.



ASME Engineering's strong presence in structural, architectural and temporary steelwork has been forged through over 30 years of experience. The company's ability to oversee every aspect of steel manufacture and construction, bringing flexible but disciplined management to each project have consistently proved to be a major advantage to clients and their customers.

Each project is managed from ASME Engineering's site in Harrow, while the steel components are produced at the company's workshop in Park Royal, London. Following a programme of significant investment in recent years, the workshop is equipped with the latest dedicated CNC software and machinery. This new technology has helped make ASME Engineering's steel more cost-effective and embraced a broader range of applications. The workshop has the capabilities to produce increased volumes of steel whilst maintaining very high quality standards.

ASME Engineering's skilled professionals carefully review all drawings and project specifications to build a detailed evaluation of costs, manufacturing requirements and project timescales. This process of proactive review pre-empts issues in the construction and installation phases and sets the stage for a successful project. From the project conception stage right through to site installation by a professional site team, ASME remains heavily involved in design development and value engineering of all types of projects. Successfully delivered projects cover the full range of commercial, industrial and municipal activities in the industry today.

ASME Engineering's workforce has almost doubled in recent years. This is due to the dedication and strengths of the company's team, which has resulted in genuine, long-term working relationships with many major contractors. This growth has been carefully managed to ensure that it does not come at the expense of the capability to honour existing commitments or the values that built our foundations.

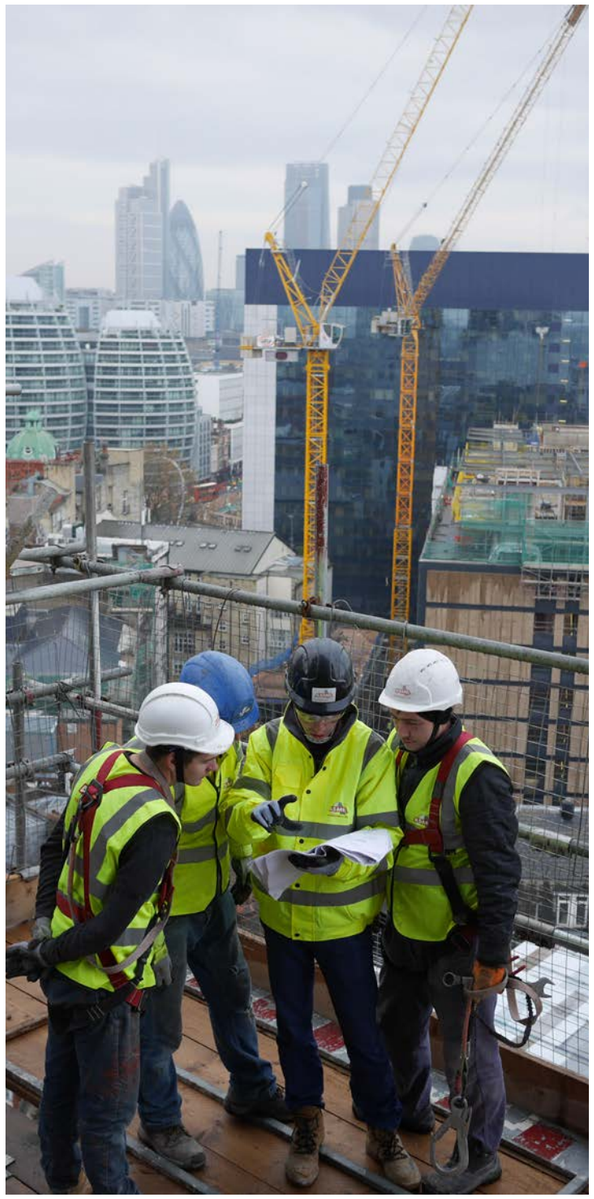
ASME Engineering takes pride in being an honest, transparent and responsible participant and is committed to promoting best practice throughout the industry. The company has an exemplary record in health and safety, environmental responsibility and quality management, and is ISO 9001; ISO 14001 & OHSAS 18001 registered.

In addition to being a dynamic and progressive organisation, ASME retains the caring values that have always been at the heart of this family-owned business.

Steel Construction

Low Cost • Strength • Durability • Design Feasibility • Adaptability • Recyclability

Our People



ASME Engineering's success starts and finishes with its people. ASME's site, fabrication facility and support teams blend the expertise in their disciplines with the attitude to deliver the company's core values - an enviable reputation for being proactive, responsive and focused on client satisfaction.

ASME Engineering's founder and Managing Director Michael Gibbons has made investing in its people a key part of how the business improves and grows. At every level, ASME's people are supported to make the most of their abilities and play their part in the next chapter of ASME's success. Regular development appraisals, mentorship of graduate recruits and skill development across the workforce have helped ASME to find the people it needs to grow tomorrow from those it can rely on today.

This same spirit and a desire to deepen the industry's talent pool, rather than just draw from it, has led ASME Engineering to initiatives like supporting the engineering department of a local school, Salvatorian College in Harrow Weald. Providing donations to the school to purchase machinery, work experience for students and educational trips for students to see a modern steel fabrication facility at work helps to inspire a new generation to see Steel Construction as an attractive and rewarding career.

Sectors

ASME Engineering manages the design, manufacture and construction of steel for a great diversity of market sectors. What motivates ASME most is the desire to provide the highest possible level of customer satisfaction. It's a goal which has been achieved repeatedly for a broad range of public and private sector clients throughout Southeast England.

All steelwork produced by ASME Engineering is CE marked in accordance with BS EN 1090-1 Factory Production Control, to achieve European CE Marking. The company's Quality & Technical Director, and in-house Registered Welding Coordinator (RWC), issues a Declaration of Performance (DoP) to assure the techniques used and guarantee steel characteristics.

REFURBISHMENT

Refurbishment can turn classic architecture into a beautiful, more functional, fusion of old and new – and architectural steel should be at the heart of such projects. ASME Engineering have met the needs for a great diversity of quality steel elements, including staircases, cladding, mezzanine floors, column and beam supports, roofs and plant rooms to deliver the architect's vision and dovetail the modern with the original. ASME's proven commitment to the most stringent safety procedures, excellent planning and communication skills, have been crucial when working on live sites using designated access routes and careful management to protect members of the public and scheduled activities into restricted time slots.

ARCHITECTURAL

For over two decades ASME Engineering has supplied the highest quality of workmanship for the varied requirements of the construction and engineering industries. We design, manufacture and assemble on site every form of architectural steelwork, for either light or more industrial use. As well as producing steel to help construct a building's framework, we can also design and fabricate attractive and functional architectural features such as stairs, balustrades, walkways, fencing, barriers, gates, balconies and mezzanine areas.

DATA CENTRES

Data centres are the engine rooms of the digital economy, a key sector for ASME Engineering. ASME understand that Data Centre projects require each element to be analysed so there is no single point of weakness to compromise its operation and the confidentiality of location and design to be preserved. ASME appreciate the important role that steel plays in this respect, and have designed, fabricated and installed quality steel components for many purpose-built data centres, or those that have been converted from warehouse, industrial and office space. ASME also understand how to deliver these services within a tightly managed, confidential project.

DEMOLITION

ASME Engineering have proved expert in supplying and installing temporary steelwork for demolition projects, which often require very precise planning due to tight schedules, restricted space and building height. Increasingly, the external face of a building must be preserved either for its character or because it is listed. ASME's design, fabrication and construction service for façade retention, heavy duty shoring and a range of temporary works can assist and enable any demolition project.

125 LONDON WALL

ASME took on this project which had a very tight programme and challenging site conditions due to restricted access to the 18 floors of this iconic office building which spans London Wall at its junction with Wood Street.

ASME manufactured and installed two scenic lifts with a high spec architectural finish and associated structural steelwork which required countersunk splice connections.

Bespoke lifting equipment had to be engineered by ASME to transport the steel to installation locations whilst accommodating the site conditions. The Steel had to be offloaded from the road side as the size of the loading bay was not sufficient. Due to access and installation constraints, ASME had to bring large sections of the lift up through 3 floors and splice together.

ASME also installed approx 70tn of structural steelwork to 6 floors from L13-L18. Strengthening works were required to enable 4.2m circular openings to be cut out of the slab and then reinforced with circular steel sections leaving it ready to receive a new spiral stair.

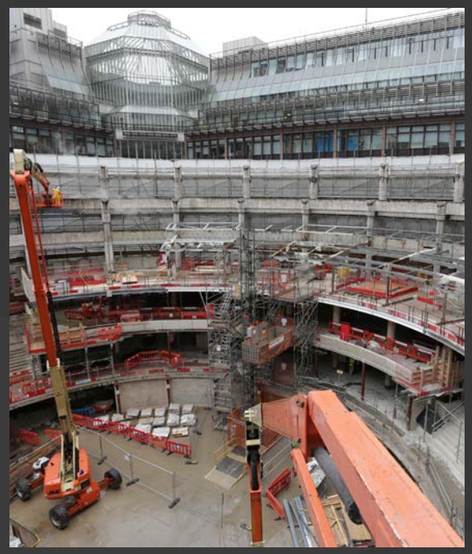
The key challenge was distributing all the steel sections to the upper floors via a goods lift which could only accommodate 2.6m lengths. The majority of the steel members were 9m long and weighed 1tn therefore the design had to take into account significant splicing requirements.

CLIENT
COMO Group

LOCATION
125 London Wall, London

VALUE
£355,000

DURATION
14 Months



BROADGATE CIRCLE

ASME was very excited when this opportunity presented itself. Due to the previous steel sub-contractor going into administration, ASME was called upon to get involved in this comprehensive redevelopment to improve retail, restaurant and leisure offering at The Broadgate Circle in the heart of the city. The shape of the building required that the majority of steelwork be rolled to precise radiuses. ASME also undertook the works to adjacent building 3 which involved creating a round structure from hollow sections which was to be placed at the top floor of the building to act as a plant screen for the cooling equipment. Despite the unforeseen demise of the original steelwork sub-contractor, ASME managed to prevent potential delays by completing the steelwork on time.

CLIENT
J Coffey Construction/ MACE Group

LOCATION
The Broadgate Circle, London

VALUE
£210,000

DURATION
8 months

SOUTHBANK TOWER

ASME were very excited to be involved in this impressive mixed use development of luxury apartments, office and retail space overlooking the River Thames in one of the oldest districts of London. ASME were contracted to supply and install structural steelwork to the podium building in 3 main areas, East core, West core and Central core.

The steelwork was lifted up to the roof level with the site tower crane and was then distributed down to all levels of this podium building using a spider crane. ASME had to construct a temporary removable bridge unit to cover the access hole, creating a platform to lower the steelwork onto.

The dimensions of the new steelwork coupled with the restricted access made it very challenging to distribute the largest sections to the required levels, as the access opening was 9.2 meters x 2.5 meters while the longest beams were 9 meters and weighed 2 tons. ASME's AP and lifting team planned and executed the many challenging lifts on this job, successfully and with such accuracy they were presented with a health & safety award.

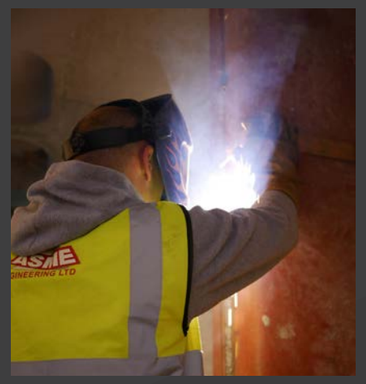
Steel jackets were also installed around the main structural columns which were made up of two half sections. These sections were lifted into place and welded together on site to form steel jackets around the existing concrete columns. All welds were then fully weld tested.

CLIENT
J Coffey/ MACE Group

LOCATION
Southbank, London

VALUE
£1,300,000

DURATION
Ongoing



ASCOT

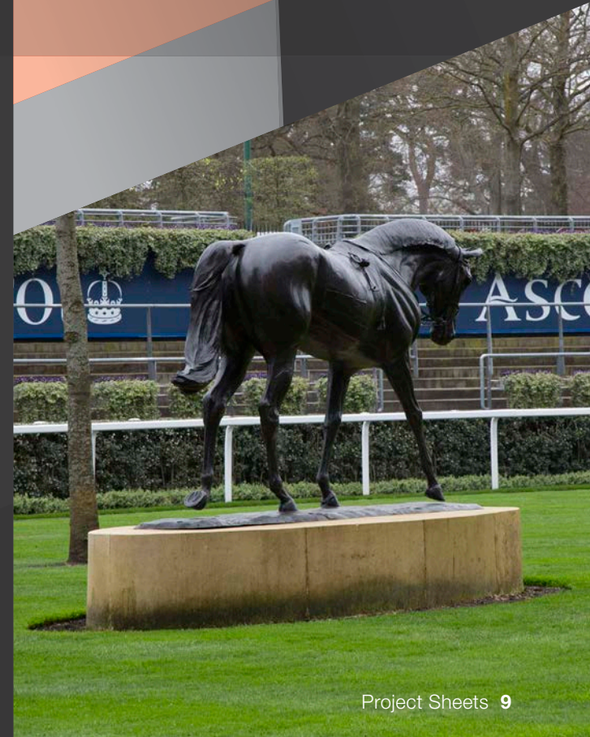
ASME undertook the fabrication and installation of steelwork and metal decking to infill the existing atrium on the 5th and 6th floors to create new floor space. The project also involved a new steel terrace structure with balustrade and stair for the new restaurant.

CLIENT
Faithdean PLC

LOCATION
Ascot Racecourse, Ascot, Berkshire

VALUE
£142,000

DURATION
5 Months



MARKET PLACE

ASME were appointed to undertake refurbishment and extension works of an existing building to the North of Oxford Street's busy shopping area.

Approx. 130T of steelwork was provided to the Basement, Ground and Storey's 1-5 involving the creation of new reception space, infilling of a large light well, reconfiguration of lift and WC cores and new façade steelwork to support new stone cladding.

The project also included the extension of an existing roof to create two additional floors. This structure was comprised of bespoke pre-cambered Ultra Shallow Floor Beams creating an economical 'flat-slab' flooring system. The largest beam installed for the new roof was 8 meters long and 2.2 tonnes in weight. The temporary stability of this steel frame was an important factor during erection and until the main lateral stability system had been installed.

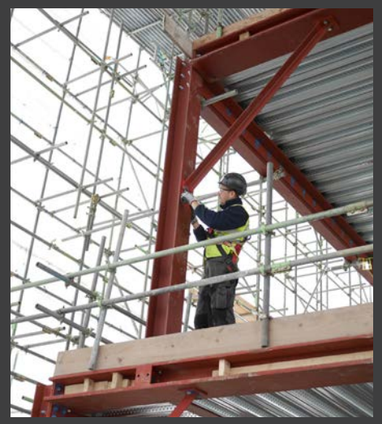
Other works carried out on the project included the new architectural staircase to the front entrance, parapet balconies, roof access staircase, roof enclosure and new plant room steelwork.

CLIENT
Collins Construction

LOCATION
28-30 Market Place, London

VALUE
£495,000

DURATION
Ongoing



PORTLAND PLACE & PARK CRESCENT

ASME undertook this contract to restore three Grade II-listed buildings in one of London's most prestigious residential developments, Nash Terrace which overlooks Regents Park.

The scheme involved re-building the rear of 98 Portland Street, reconfiguring the interior layout to create additional space, raising the roof of the property and constructing mezzanine levels further increasing the overall floor plan. New steelwork and flooring was installed to all three properties involving a complex programme of work that incorporated extensive structural modifications.

CLIENT
J Coffey Construction/ ISG

LOCATION
10-12 Park Crescent, 92-96 Portland Place and 98 Portland Place

VALUE
£504,000

DURATION
11 months

EAGLE HOUSE

Eagle House is situated on City Road, near Old Street EC1. The Eagle draws inspiration from the clean Art Deco lines of an existing 1933 building on the site, adding a further 26, elegant floors to create 206 private apartments offering breathtaking views across the buzzing city beyond.

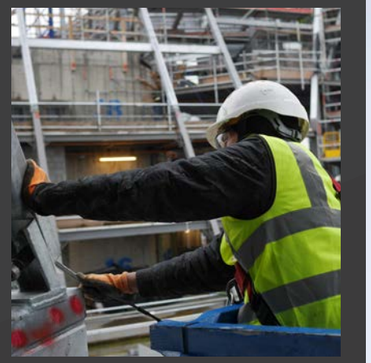
The original brief consisted of structural steelwork mainly reinforcing plates and girders throughout the building. The scope developed with new support brackets for the new stone façade at all levels, 22 structural colonnade support frames and ties installed from the 23rd to the 27th floor, balcony steelwork and external architectural balustrading.

The design phase for this project was very involved mainly because of the geometry of the building's footprint, which is egg shaped. There was an existing façade plate already installed, which ASME then matched in plane with new box section.

ASME's team were present throughout, providing expert and invaluable advice to the client during the design as well as construction phases. The installation of the Colonnade frames on the 27th floor and the courtyard brackets required extensive planning along with supporting lifting Plan and RAMS. The frames also required 120 minutes fire protection, as well as category C3 corrosion protection, which ASME provided without problem.

An additional phase of the project required ASME to carry extensive welding and remedial work to other trades work on site, which was done all within program and specification. All NDT testing requirements were met, giving the client the assurance they expect from ASME.

CLIENT	LOCATION	VALUE	DURATION
OHOB/Mount Anvil	121 City Road, London	£1,125,000	Ongoing



DEVONSHIRE HOUSE

ASME were awarded this design and build project within the very prestigious Devonshire House, situated in London's Mayfair overlooking Green Park. Contracted to fabricate and install a bespoke elliptical walkway spanning 3 floors within the foyer of this building; ASME's many years of specialist construction knowledge and engineering experience were key to the success of this unique walkway. Design development was continually evolving throughout the build on this bespoke structure.

This project also required serious logistical planning to meet the constraints of a very tight programme. There were two main focal points of the planning process;

- **The 8m curved ribs spanning the three floors of the elliptical walkway which were powder coated to a high architectural finish. These Ribs had to be protected for transporting to site; hoisted up manoeuvred into the building through the windows and installed carefully to avoid damage. Careful coordination between ASME and the Glass Contractor was vital to the success of this project.**
- **ASME fabricated and installed a Vierendeel Truss which spanned 3 floors. This truss was pivotal to the stability, functionality and aesthetics of the elliptical walkway.**

CLIENT
BW Interiors

LOCATION
1 Mayfair Place, London

VALUE
£295,000

DURATION
6 months

Project Sheets

1 TRAFALGAR SQUARE

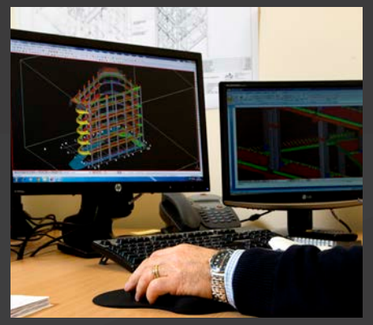
ASME were contracted to supply and install steelwork around the perimeter of an existing 7 floor atrium of this prestigious building. Steel frames had to connect and cantilever off the existing structure with new floors formed from lightweight purlins and timber. The aim of these works was to increase the lettable floor space and in turn the financial viability of the property. Working within a live building meant these works had to be carried out at night; there were strict limitations to noisy works and safety procedures which had to be adhered to.

CLIENT
Collins Construction

LOCATION
'Grand Buildings' 1 Trafalgar Square, London

VALUE
£510,000

DURATION
8 months



Project Sheets

PROJECT ORIANA

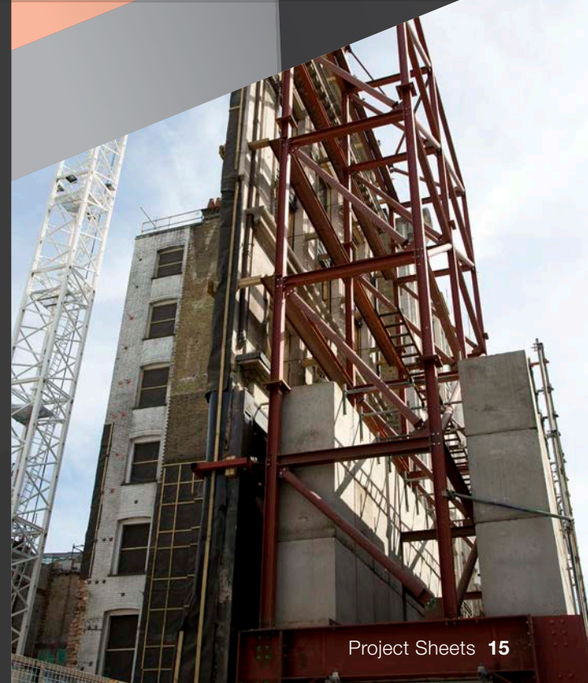
ASME supplied and installed internal and external façade retentions with tie systems to buildings 36, 40-42 & 48 Oxford Street. The works had to be completed over Christmas and at night using a crane for public safety due to high pedestrian traffic during the day.

CLIENT
Erith Group

LOCATION
Oxford Street building No.36, 40-42 & 48, London

VALUE
£335,000

DURATION
12 months



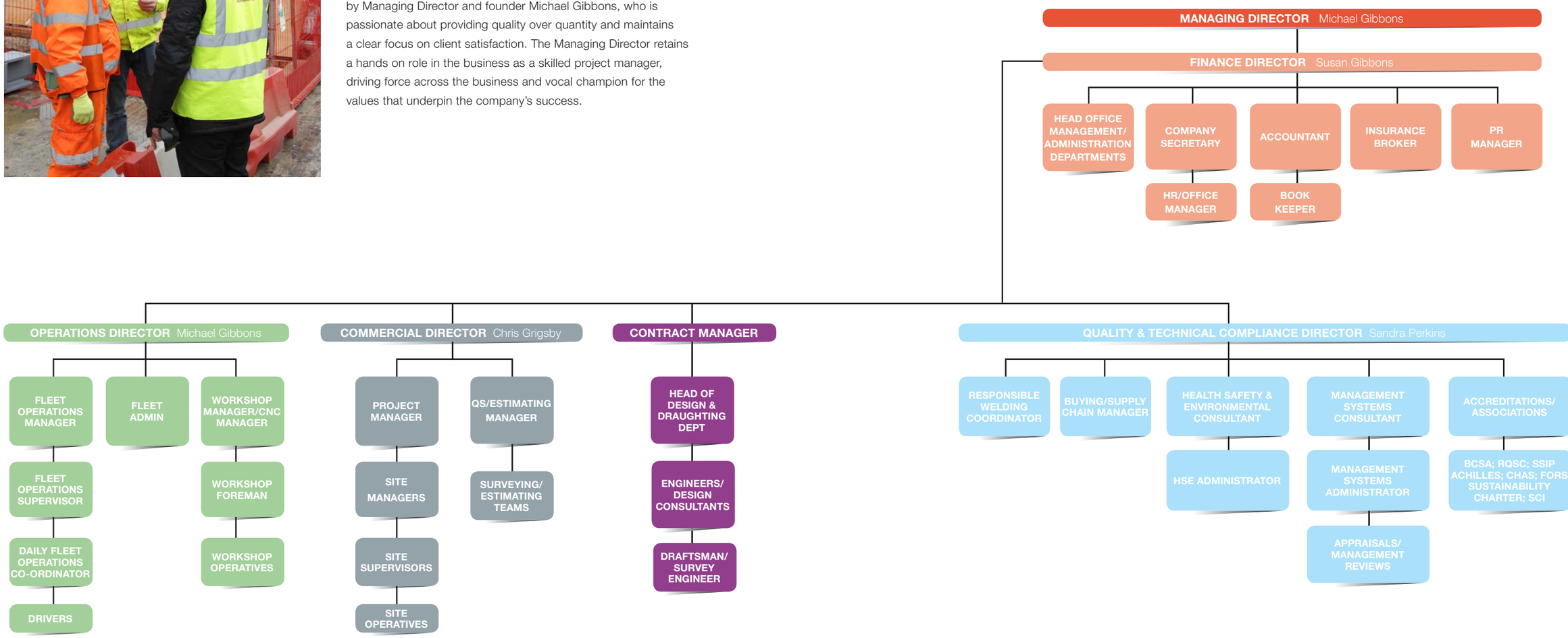
Building On Success

The business which has evolved into ASME Engineering was first established in 1986 by Michael Gibbons. It has grown and expanded its activities on the strength of successful work on a diverse range of building and civil engineering projects throughout London and the Southeast.

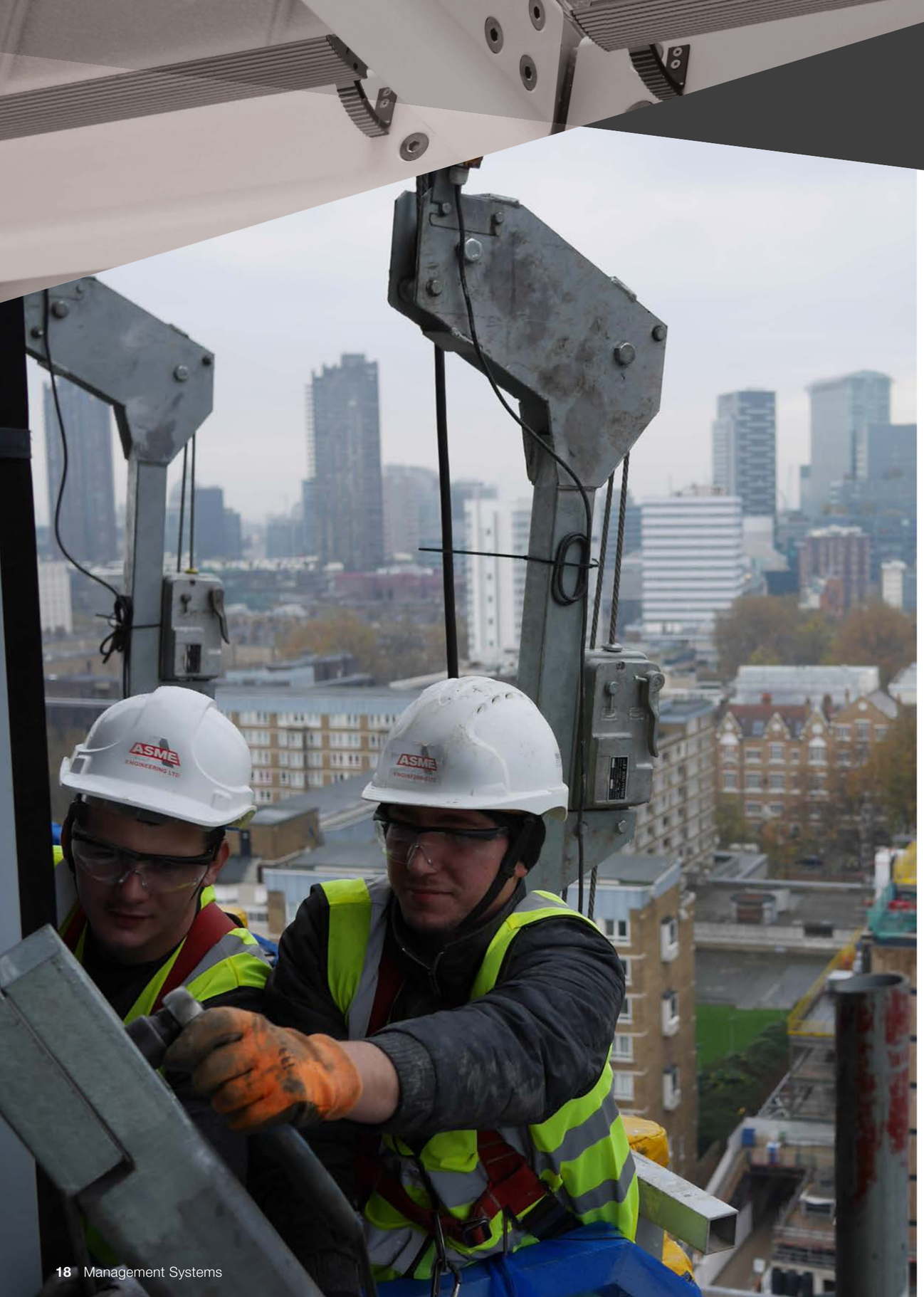
ASME Engineering has sustainably grown through ongoing investments into machinery, management systems and key people, to ensure that the company has the scale, expertise and resources to fulfil even the largest contracts. Despite its growth, ASME Engineering has retained the core values instilled by Managing Director and founder Michael Gibbons, who is passionate about providing quality over quantity and maintains a clear focus on client satisfaction. The Managing Director retains a hands on role in the business as a skilled project manager, driving force across the business and vocal champion for the values that underpin the company's success.

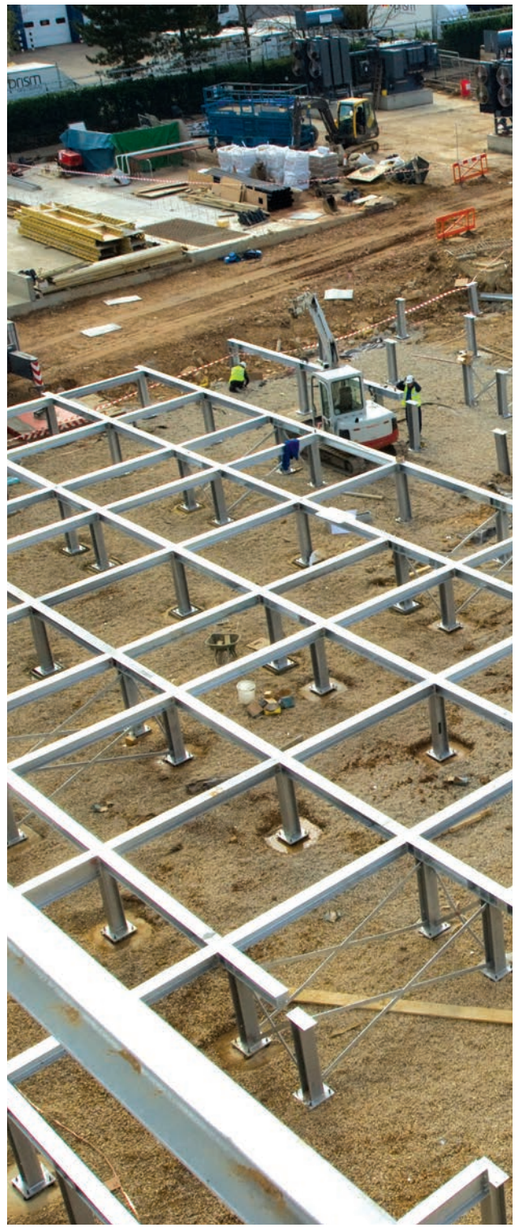
Company Structure

Launched in 1986, ASME Engineering has experienced considerable growth, working on a broad range of commercial, industrial and municipal construction and civil engineering projects throughout London and the South East of England. Its teams give it the right mix of skills, knowledge and experience to respond to challenging projects and provide the support clients have learned to rely on.



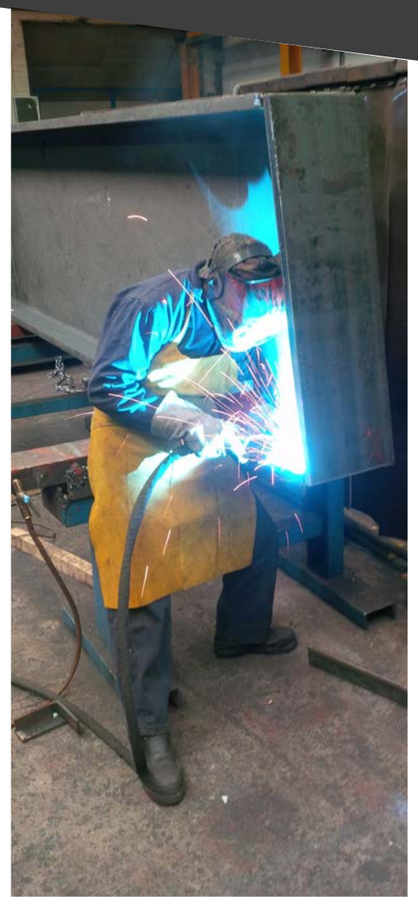
Integrated Management System & Registrations





ASME Engineering plans, manages, reviews and improves all its work through an Integrated Management System. ASME Engineering has set out its key principles to support successful customer projects, operate in a sustainable way and stay current with emerging trends, legislation and requirements. The Integrated Management System aligns every element of the business behind this vision.

Having developed a proportionate, forward-thinking Management System tailored specifically to its needs, ASME Engineering eliminates much of the resistance or negativity that can arise from tasks that appears to exist without clear purpose. All management system mechanisms are clearly and closely aligned to an understood need and delivered with the minimum of bureaucracy. This also makes ASME Engineering particularly well-placed to respond to the requirements of its customer's systems or those of their managing agents – every site's procedures and controls are tailored to dovetail with those already working on the wider project.



Having a single management system makes delivering these values simply 'part of the job' and allows the company to demonstrate its compliance to key external benchmarks including:

Factory Production Control (FPC) & CE Marking

In response to customer demand and the upcoming changes in legislation, ASME Engineering has obtained registration of its FPC systems to ensure that product quality and performance is sufficiently controlled. All ASME Engineering products are manufactured in controlled processes and (for new projects) are issued with European CE Mark to assure their suitability. The FPC system covers all elements of the project lifecycle: from specification review, to connection design, material selection and traceability, cutting and profiling, welding (supervised by an in-house Registered Welding Coordinator) and product protective coating and is registered with SCCS as a notified body for CE marking.

Quality

The Integrated Management System uses the ISO 9001:2008 approach as its central improvement mechanism and to make sure products meet requirements. This means a Quality Management System that plans, supervises, checks and improves each undertaking to understand and respond to customer and project needs, achieve efficiency to support competitive pricing and manage a business with customer relationships at its heart. The ASME Engineering Management System is registered to ISO 9001:2008 with SCCS, a UKAS-accredited certification body specialising in the steel industry.

Health & Safety

ASME Engineering takes pride in an excellent record of safety performance and avoiding harm to its people, the public and those it works alongside. Immediate and long-term risks are identified, mitigated and controlled using a Health & Safety Management System meeting the requirements of OHSAS 18001:2007. The ASME Engineering Management System is registered to OHSAS 18001:2007 with SCCS, a UKAS accredited certification body specialising in the steel industry.

The Environment

All environmental aspects and impacts – from the direct consequences of steel material efficiency and recycling to subtle results of the company's supply chain decisions, responsibility in local communities and the lifecycle of steel solutions – are tracked and used to target environmental improvement using the ISO 14001:2004 methodology. This Environmental Management System provides a framework for planning, mitigating or eliminating site, office, organisation and product impacts and environmental risks and is registered to ISO 14001:2004 with SCCS, a UKAS-accredited certification body specialising in the steel industry.

Sustainability

The principle of a sustainable business – one that satisfies the needs of its stakeholders, customers, people and planet without impeding the ability of future generations to enjoy the same amenities – is central to the ASME Engineering mission and a constant priority in its Integrated Management System. As such ASME Engineering is registered to the BCSA Sustainability Charter at Silver level and anticipates attaining Gold status within the coming twelve months.

Responsible Fleet Operations

As the leading fabricators of CE marked structural steel with offices and fabrication facilities inside the M25, ASME Engineering are acutely aware of the importance of responsible use of the country's road network. ASME Engineering has been registered to the Transport for London FORS (Fleet Operator Registration Scheme) Silver Standard as a demonstration of the effectiveness of its Environmental and Health & Safety systems in mitigating fleet and road risks. The company anticipates upgrading its registration to Gold status in the next twelve months.

Achilles Building Confidence

ASME Engineering is registered with the Achilles Building Confidence scheme to provide its customers with the simple verification information they require. This additional validation of the company's Health & Safety, Environmental and Quality systems helps to assure current and potential customers that site and fabrication facility standards will meet or exceed their expectations.

Responsiveness & Flexibility

A constant focus of the ASME Engineering Integrated Management System is on ensuring that the business remains responsive to customer needs and industry trends, retains the approachable and collaborative management system these organisations can rely on and exemplifies the flexibility that helps deliver structural steel solutions that fit seamlessly into a successful construction project. The company has yet to identify a suitable external award or awarding body for these values, but achievement of this standard continues to be the biggest source of pride within the company's senior management. A key principle of the Integrated Management System and all the standards listed above is that ASME Engineering acts to improve based on the information it receives. Feedback from customers, regulators, those working alongside the company, local communities and the wider public is the lifeblood of this process and is sincerely welcomed. If the behaviour or performance of ASME Engineering people, processes or suppliers has exemplified or fallen short of these standards then please let ASME Engineering know so that the company can keep getting better.

ASME engineering provides structural steel services to the UK construction industry. ASME recognises that the inherent value in delivering a project to time, to budget and to specification is only maximised if the company upholds the highest standards of business ethics and corporate responsibility, hence we have adopted our Ethical Business & Sustainability Policies as part of our commitment to sustainable, responsible business.

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