



INTEGRATED MECHANICAL ENGINEERING SERVICES FOR INDUSTRY.



MFL

MFL Mechanical Services has a vast amount of knowledge and expertise within its field and provides a wide range of services from reactive maintenance and breakdown repairs through to larger mechanical pipework installations and engineering projects.



I have been working with MFL for many years to carry out both regular maintenance activities and major capital projects. Their team carry out maintenance inspections, regular servicing in addition to small and large capital projects. MFL make it their business to gain insight and knowledge of the site services so that when we discuss potential work it gives me confidence that the work will be carried out correctly, safely, efficiently and to a very high standard. The team are easy to work with, think creatively and effectively communicate ideas and therefore have my highest recommendation.

SEAN BOLAND
ENGINEERING INNOVATION PROJECT MANAGER
GREENCORE GROUP



MFL Mechanical Services is a multi-disciplinary family-run business, based in Hertfordshire, with over 30 years of collective experience in providing a diverse range of mechanical engineering services across numerous commercial and industrial sectors.

Since being established in 1992 – by the current Managing Director, Peter Smith – MFL has built an excellent reputation, with our long-standing customer base, for providing a highly professional service built on a solid foundation of outstanding workmanship, reliability, honesty and integrity.

Our services

Regardless of the size or complexity of the works, our services are always delivered to the highest standards to guarantee we satisfy all industry and client expectations.

Our services currently include:

4. PIPEWORK SERVICES



10. INDUSTRIAL BOILER AND STEAM PIPEWORK SERVICES



7. COMMERCIAL HEATING SERVICES



12. FOOD AND BEVERAGE INDUSTRY SERVICES



8. COMMERCIAL PLUMBING SERVICES



14. SERVICE, REPAIR AND MAINTENANCE CONTRACTS



We carry out these services across numerous commercial and industrial sectors, including: food and beverage processing, construction, pharmaceutical, manufacturing and production facilities, restaurants, education and offices and retail.

MFL's comprehensive range of mechanical engineering services is available to clients throughout the UK. We are able to provide complete turn-key solutions, or single services only, to best suit each client's requirements.

As a family-run business with a strong culture based on family values, we always put our clients at the heart of everything we do.

You can rest assured that no matter which of our services you require, our approach is consistently built on client collaboration, open and honest communication and professionalism. We combine a strong work ethic with a commitment to delivering our services to the highest standards, guaranteeing value for our clients, together with their operators, occupants and users.



Pipework Services

MFL offers a comprehensive pipework installation service covering hot/cold water, heating, cooling, steam, natural gas, compressed air and chemicals.

We can prefabricate any pipework to the required specification and complexity at our facility based in Hertfordshire.



I have worked with Peter and MFL over many years, I would have no hesitation in recommending them for any projects requiring the mechanical installation of pipework services. They will discuss your needs and add value in finding the best and most cost effective solution. Their quality of finish is always to the highest standards. They are very experienced at working in the fast moving consumer goods sectors where shut downs and access to equipment is limited and always subject to change.

TOM CAULFIELD
ENGINEERING PROJECTS MANAGER
GRENCORE GROUP



MFL has completed numerous pipework and mechanical projects across a broad range of industries, including food and beverage processing, pharmaceutical, construction, manufacturing, commercial and production facilities.

Our highly-skilled team is experienced in carrying out a diverse range of pipework installations, using various techniques, and is compliant with engineering industry regulations.

The integrated service we offer for pipework includes:

- TIG welded
- MIG and MMA welded
- Stainless, low carbon and galvanised steel screwed
- ABS and PVC pressure plastics
- Polypropylene (PP) and Polyvinylidene Fluoride (PVDF) socket fusion
- Electrofusion of (PE) Polyethylene MDPE, HDPE and HPPE
- Solvent weld and push-fit waste
- Press-fit piping systems (Geberit trained and certificated to include a 20-year guarantee on pipework installations)
- Soldered and brazed copper.

We have a wealth of experience in providing these services across many sectors and are proud to have developed strong client relationships built on our reputation for reliability, quality and safety.

Whether you are looking to simply repair a leak on your current system, modify some existing pipework or require a contractor for a full mechanical project, please contact us to find out how our pipework services can benefit your business.

MFL has completed numerous pipework and mechanical projects across a broad range of industries.



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We regularly use MFL to service and maintain our sites' boilers, radiant tube and space heating appliances. They have always been very reliable. We have no hesitation in recommending them.

PAUL CLINGO
MAINTENANCE MANAGER, NEMCO LTD





Commercial Heating Services

Our heating and gas engineers at MFL are all fully qualified and highly skilled in a comprehensive range of commercial heating services, ensuring that we can provide the right solutions for every client's business needs.



Each member of our experienced heating team are approved by Gas Safe Register and regularly attend appliance manufacturer training days and courses. They are always fully up-to-date with the latest products being supplied and regularly undertake refresher qualifications, this helps to ensure we are conversant with the industry's ever changing requirements. Our skilled team prides itself on completing all contracts to the highest standards, safely and professionally.

We work with many businesses, large and small, so our commercial heating services range from delivering single-appliance installations and servicing through to turn-key plant room and heating systems design and fit-outs.

MFL currently offer the following commercial heating services to clients nationwide:

- Boiler installations and replacements
- Warm air heater/Radiant tube heater installations and replacements
- Commercial water heater installations and replacements
- Heat recovery system design, supply and installation
- Pressurisation unit installation
- Design and installation of heating systems
- Servicing and maintenance of a wide range of appliances
- Gas pipework installations, tightness testing and purging up to 1m³ IGE UP1A
- Landlord's Gas Safety Inspections (CP12).

As a family-run business, client satisfaction is our number one priority, which is why we ensure the services we provide are tailored and bespoke to each client's unique requirements from beginning to end.

Our reputation for delivering top-quality commercial heating services continues to grow each year, thanks to our expert engineers and the quality of work they produce.

Please contact a member of our experienced team if you'd like to find out more about our commercial heating services. We look forward to hearing from you.



Commercial Plumbing Services

At MFL, we have experience in carrying out a broad range of commercial plumbing services, from simple repairs and maintenance management to refitting and refurbishing large commercial and industrial premises.

Based in Hertfordshire, in the east of England, we are the preferred commercial plumbing contractor for numerous clients throughout the Home Counties and London, also undertaking projects nationwide.



I would recommend MFL to any commercial end-user, factories, schools, shops, offices. They provide first-class commercial plumbing services and have vast product knowledge, which is a great help on any refurbishment contract.

CLIVE WILLIAMS
PROJECT MANAGER





We are approved members of APHC, WaterSafe and CIPHE plumbing and heating trade associations, so you can be confident that our work complies with best practice and current legislative requirements.

Our plumbing team is highly experienced, with all the relevant qualifications and accreditations required to manage and maintain every aspect of commercial plumbing systems.

We are approved members of APHC, WaterSafe and CIPHE plumbing and heating trade associations



At MFL, we currently provide the following commercial plumbing services:

- Design and installation of hot and cold water plumbing systems
- Design and installation of above-ground drainage and waste systems
- General plumbing system maintenance and repairs
- Sanitary-ware and washroom installations
- GRP break tanks, HWS cylinders and storage vessels supply and installation
- Water softener installations
- Booster pump supply and installation
- Under-floor heating installations
- Plate heat exchanger servicing (to include stripping of plate heat exchanger, descaling of plates, replacement of seals and plates, NDT testing of plates and re-installation)
- Thermal insulation supply and installation.

With over 30 years' experience in the industry, our dedicated team's number one priority is always to guarantee excellent client satisfaction. We have the knowledge, experience and equipment necessary to provide our clients with a range of plumbing solutions that minimise downtime, costs and risk.

We are proud of our strong client relationships, built on our ongoing reputation for quality, reliability and safety.



Industrial Boiler and Steam Pipework Services

The team at MFL has the experience and expertise to assist our clients with all their industrial boiler and steam pipework system requirements – troubleshooting, maintenance, servicing, repairs and pipework installations.

At MFL, we understand how critical it is to our clients' business operations to regularly maintain their boiler house, associated plant and steam pipework. This is essential to gain maximum efficiency from the system, prevent potential downtime of production and ensure individuals are working in a safe environment.





An inefficiently operating boiler house and pipework system can prove extremely costly for the end-user and create a potentially unsafe environment for employees if not properly maintained.

As a family-run business, we take the time needed to understand each client's unique requirements so we can deliver tailored solutions to best support their business needs.



We provide the following industrial boiler and steam pipework services throughout the UK:

Industrial boiler servicing

Our industrial boiler servicing includes preparation for annual insurance inspection and covers:

- Stripping boiler valves
- Opening smoke and mud doors for internal inspection
- Rodding of boiler tubes
- Scale removal from water side
- Furnace sweep
- Replacing ceramic ropes and tapes upon insurance acceptance
- Rebuilding of the boiler.

Overhaul and certification of boiler valves (for steam and water)

This boiler servicing option includes:

- Stripping of valves
- Shot blasting
- Lapping of head and seat
- Machining of valve head and faces, if required
- Supplying and installing maintenance kits/parts
- Rebuilding and testing to required pressure
- Painting and ID tagging.

Re-calibration/overhaul and certification of safety valves (for steam, water, gas, refrigeration, ammonia, etc.)

Industrial steam boiler 5-year Non-Destructive Testing (NDT)

This service includes:

- Removal of patches and lagging in accordance with safety guidelines
- Preparation of welds for testing
- Removal and refitting of furnace refractory
- Rebuilding/replacing on insurance acceptance.

Steam trap testing and reporting

Our engineers are experienced at working on a diverse range of installations and are Spirax Sarco – City & Guilds trained to cover steam and condensate systems, steam boiler operations, steam plant maintenance and safety valve accreditation.



Food and Beverage Industry Services

MFL have extensive experience in providing specialist pipework and mechanical engineering services within the food and beverage industry.



We expect a high standard from our contractors as they represent our company. MFL have always met these standards. They offer a professional service and have always delivered the job on time. I will continue to work with them as I know they are a great asset to my team.

JUSTIN GRIPTON
PROJECT MANAGER, ECOLAB - FOOD AND BEVERAGE PROCESSING



We understand the strict standards expected of contractors when working in high-care production environments and always provide a professional and versatile approach for our clients. This includes carrying out our contracted works around their production and manufacturing process schedules.

Our team has been contracted to install a variety of pipework services for a broad scope of projects across the UK, ranging from small installation works through to more extensive scale refurbishments of existing factories and construction projects for new production facilities.

Our specialist services for the food and beverage industry include:

Hygiene cleaning systems and equipment for production factories, including:

- Medium and high-pressure hygiene wash down pipework
 - Chemical pipework
 - Wall or frame-mounted hose reels
 - Dosing pump sets
 - Chemical bulk storage tanks.

- Stainless steel hygienic pipework systems for a variety of processes
 - Steam and natural gas pipework systems for cooking and manufacturing processes
 - Nitrogen and CO2 pipework for packaging processes
 - Design, manufacture and installation of stainless steel frame-mounted pump skids
 - Stainless steel sanitary ware and commercial washrooms
 - Stainless steel clad thermal insulation.

As a family-run business, whichever sector we are working in, our number one priority is to guarantee client satisfaction. Our reputation for delivering top-quality services continues to grow each year, built on extensive experience, reliability, client focus, cost-effectiveness, and compliance with safety legislation.

We understand the strict standards expected of contractors when working in high-care production environments.



Service, Repair and Maintenance Contracts

MFL provides a wide range of service contracts and preventative/corrective maintenance contracts to meet all our clients' needs. For these contracts, we have a dedicated maintenance delivery team comprising highly skilled and experienced personnel committed to the safe and smooth operation of our clients' facilities and their associated mechanical building services.

Every aspect of our maintenance and service works is planned in advance to ensure we deliver in a safe and compliant manner and at our clients' convenience.

Our highly-skilled mechanical engineers are proficient and knowledgeable, enabling them to identify issues quickly and resolve them cost-effectively and efficiently, guaranteeing minimum downtime for our clients.

This is combined with a team that is well-versed and experienced at responding to emergency maintenance and breakdown call-outs, whether for failed pipework or central heating appliances, etc.

At MFL, we understand how critical it is for our clients' businesses to stay open. We have the infrastructure to react quickly when called upon to attend to and rectify any emergency repair or breakdown.



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Every client differs in their set-up and maintenance requirements, which is why all our commercial service and maintenance contracts are tailor-made to suit each business's unique needs. We can provide:

- Annual gas heating appliance and system service and maintenance contracts
- Gas appliance and heating system breakdown call-outs and repairs
- Pump overhaul and servicing
- On-site pipework repairs covering steam, condensate, compressed air, hot/cold water, cooling, heating, chemicals and natural gas
- Replacement of valves and controls
- Planned preventative system maintenance
- Legionella preventative actions, to include weekly and monthly flushing of pipework, removal of deadlegs, servicing and disinfection of thermostatic mixing valves (ACOP L8 legionella-awareness trained)
- On-site maintenance and repair welding services.

We have experience providing service contracts and maintenance to many industrial and commercial sectors, including food and beverage processing, manufacturing and production facilities, restaurants, hospitality, education, offices and retail businesses. We are proud to have developed strong client relationships over the years, built on our reputation for being reliable, client-focused, cost-effective, quality orientated and compliant with safety legislation.

Please contact us today to learn more about our boiler and central heating maintenance contracts and other related services.

Why use MFL Mechanical Services?

Our Mission

To use our extensive industry knowledge and expertise to consistently meet our clients' requirements, delivering top-quality services on schedule and at a competitive price.

Our Services

We provide a wide range of mechanical engineering services, across numerous industries and sectors, including:

- Pipework Services
- Commercial Heating Services
- Commercial Plumbing Services
- Industrial Boiler and Steam Pipework Services
- Food and Beverage Industry Services
- Service, Repair and Maintenance Contracts.

Our Safety Standards

We are personally committed to upholding the highest health and safety standards to guarantee our customers' peace of mind, alongside accredited trade certification and memberships, which are evident in our affiliation to the following associations:

- Safe Contractor and CHAS accredited
- Constructionline members
- APHC, WaterSafe and CIPHE accredited
- Gas Safe registered
- Public, Product and Employers' Liability Insurance £10 million.

Our Guarantee

As a family-run business with a strong culture based on family values, you can rest assured that no matter what the size or complexity of the project, our approach at MFL is always built on:

- Customer collaboration
- Open and honest communication
- Professionalism
- Strong work ethic
- Commitment to delivering our services to the highest standards
- Providing consistent value for our clients, together with their operators, occupants and users.

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