Mechanical, Electrical & Plumbing Services to the Construction Industry

watkins

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Introduction to Watkins

Watkins are market leading mechanical, Electrical and Plumbing contractors with over 60 years of experience in the industry. We deliver integrated end-to-end building services to the construction industry in London and the South East.

At the forefront of our field, our resource efficient solutions have made us the first choice supply partner for a number of key clients in London's high rise residential and commercial sectors. We offer an outstanding level of expertise, combined with unparalleled customer service.

Our portfolio includes a full range of property types from smaller scaled specialised projects, through to multi-million pound flagship developments.

Integrated Mechanical Electrical Plumbing Services

Watkins are market leading mechanical, Electrical and Plumbing contractors with over 60 years of experience in the industry. We deliver integrated end-to-end building services to the construction industry in London and the South East.

watkins 60 YEARS 1962 -2022

Mechanical

Watkins specialise in a wide range of mechanical services from energy centres, plant rooms and centralised distribution networks for residential developments,to commercial and industrial shell and core installations.

Electrical

As part of our integrated solutions Watkins have expertise in the installation of electrical services throughout multiple disciplines, including specialist services.

Plumbing

Watkins provide extensive plumbing and heating services including a variety of ventilation solutions, gas installations and public health drainage.

Additional Services

- Special Projects
- Maintenance
- Servicing
- Design

Watkins At A Glance

60
Trading for over 60 years

320+
Average number of site personnel

96%
Health & Safety audit record

Mechanical

Shell and core mechanical

Watkins shell and core mechanical works are supported by engineers and operatives with over 30 years of industry experience.

We have the scale and specialisms to deliver fast track installations to tight time scales using the latest install technologies.

By providing a full range of mechanical services, Watkins can provide clients with high quality solutions.

We have also provided clients with extensive prefabricated solutions including plant rooms, risers, lateral distribution, pods and HIU cupboards to support project delivery and programmes.

Additional services

- Boilers and CHP plant
- Air conditioning
- Chillers and heat pump systems
- Supply extract and air heating systems
- Domestic water tanks and booster sets
- Pressurised distribution
- Sprinkler systems

14
projects completed successfully

35
miles of centralised pipework installed

12,000
kW of boiler plant installed

Client:
L&Q

Location:
Walthamstow, London

The Chain, Southgrove

This project consists of 519 units over 12 blocks between 6 and 15 storeys each.

- Energy Centre, boiler plant & CHP
- Gas distribution
- LTHW heat network and centralised distribution
- 2 separate tank rooms and potable water booster sets
- Pressurised water distribution
- Sprinkler system
- Dry risers
- AOV and smoke extract to each block
- SVPs and surface water pipework
- Local extract ventilation
- Comprehensive site wide BMS

Watkins Services

- Mechanical
- Electrical
- Plumbing
- PPM
- Design

Client:
Mount Anvil

Location:
Hammersmith, London

Riverside Studios

Watkins have had a long-standing involvement with the redevelopment of the Riverside Studios site since we successfully completed the M&P install to the Queens Wharf residential phase.

- Full design and MEP fit out to Studios, Production Rooms, Cinema, Bar, Restaurant, Offices, and various commercial spaces.
- Installation includes comprehensive ventilation & smoke extract systems, gas suppression, air conditioning, LTWH Htg & CHW distribution, DHW & Public health systems and site wide BMS system to interface with the base build installation.
- Electrical scope incorporating Primary & Secondary LV Sub-mains distribution, earthing and bonding, digital, addressable lighting system, emergency lighting, small power, Fire Alarm & Detection, Access Control, CCTV / Security Systems & Data/LAN infrastructure network.
- Design included SAP / SBEM calcs, BREEAM Compliance Audits, Thermal Modelling & lighting calculations.
- Maintenance and servicing

Watkins Services

- Mechanical
- Electrical
- Plumbing
- PPM
- Design

Electrical

Some of the services we provide...

- Mains Distribution Switch Gear and Cabling
- Sub Main Cabling, Earthing and Bonding
- Distribution Boards and Loose Switch Gear
- Cable Containment and Support Systems comprising Ladder Rack, Cable Tray And Basket
- Lighting Installations
- Intelligent Lighting Control Systems
- Emergency Lighting Installations to BS 5266
- Power Installations
- Electrical to Mechanical Power and Control Wiring
- Security and Intruder Alarm Systems
- CCTV Installations
- Audio and Video Door Entry Systems
- Access Control Systems
- Fire Alarm Systems to BS 5839
- AOV Smoke Control Systems (Shafts and Head of Stair Vent)
- IRS Distribution Systems comprising Digital TV/ FM/Satellite/Sky+/ Hotbird
- Audi Visual/Home Entertainment Wiring Telecoms/Data Structured Wiring Systems

21,000
downlights installed

19,000
sockets & switches installed

660,000
meters of wiring installed

Plumbing

Our plumbing services

Our plumbing services include high quality finishes to bathrooms and kitchens using the latest technologies and high quality sanitary-ware.

Renewable technologies

Watkins is a leader in providing the latest renewable technologies. We can install and commission solar thermal, ground source heat pumps and air source heat pumps.

2,100+
flats completed

8,500+
radiators installed

18
apprentices (2021)

Plumbing

Client:
Bellways T.G

Location:
Poplar, London

Explorers Wharf

This project consisted of the mechanical and plumbing installation of the 185 residential units for shared ownership and affordable rent.

- Fit out works to each apartment
- Heat interface units
- Space heating and radiators
- Sanitary ware and accessories
- MEV install
- Above ground drainage, SPVs and rainwater system

Watkins Services

- Mechanical
- Plumbing
- PPM
- Design

Special Projects

Watkins has a dedicated department specialising in small works building services. Working on projects between £50K and £1.5M in value the team can provide cost effective, timely and flexible solutions to meet client's requirements.

Watkins Small Works division specialises in supplying mechanical and electrical services to one-off projects such as boiler changes, mechanical remediations and electrical installations or replacements but can also provide a full building fit out if required.

Our Special Projects Division benefits from the resources and buying power of Watkins creating leverage for our clients to access the very best in design, quality and safety at an economical cost.

Special Project Services

- Survey Reports
- Validation Works
- Feasibility Studies
- Design Specifications
- Value Engineering
- Mechanical Installations
- Air Conditioning
- Electrical Installations
- Remedial Works

Canterbury Christchurch Univeristy

The installation of new underground heating mains. This formed part of the enabling works diverting the existing campus heating mains to allow for construction of a new site access road.

The existing services were extended between various buildings to enable future construction of new teaching blocks.

Two new in line pumping stations were installed within the system, together with the installation of a new plate heat exchanger arrangement providing hot water to the sports hall block.

Sandwich Guildhall Museum

Boiler replacement and heating alterations at the historic Sandwich Guildhall Museum. The buidling is 16th century and was carried out directly for Sandwich Town Council.

The special projects division worked alongside Hamworthy Heating to carry out the work.

Our Customer Care department will respond within previously agreed timescales to any service issues that arise and, in the event of an emergency, within 4 hours if considered necessary.

Maintenance

Watkins recognises the importance of offering both Planned Preventative Maintenance (PPM) and full Customer Care service packages to all our clients, specifically monitoring and maintaining the completed plant rooms and energy centres which in turn supply both heating and hot water to all dwellings, apartments and penthouses.

All our PPM Contracts are bespoke to meet the exact needs of the client incorporating as many factors considered necessary to ensure ongoing optimal operation of all installations.

Watkins work closely with clients to achieve packages that focus on cost effective solutions that can be adapted if needs change.

With site specific log books providing engineer's reports, service and commission sheets, company health and safety requirements and programmes of works, a comprehensive record of site information is easily accessible when required.

Our PPM services include:

- Heating and associated plant
- AHU's and ventilation
- Air conditioning services
- Electrical services
- Fire alarms and associated services
- Water treatment
- Monthly plant checks and emergency light testing
- Plumbing services
- CHP

1,000+
service visits

160+
boiler services

180+
pump services

Servicing

Watkins provides full servicing to domestic and commercial heating appliances in London and across the South East.

Our highly skilled team of engineers provide servicing for a wide range of domestic heating equipment to both individual households and commercial premises.

Using Watkins extensive knowledge of design and installation, our service team are able to ensure that equipment is working efficiently and safely and will strive to identify any issue that may be a cause for future potential failures.

Most domestic and commercial equipment requires annual servicing to maintain the manufacturer's warranty and Watkins can carry this out either on a one off basis or as part of an ongoing contract.

Domestic Servicing

Watkins offers clients the opportunity to arrange individual service visits to mechanical plant and equipment within private dwellings.

1,500+

services successfully completed

Watkins are appointed to carry out the ongoing HIU servicing across the Kings Cross develoment on behalf of Metropolitan.

Additionally we provide a reactive call out facility to HIU's 24/7.

Design Services

Watkins can offer the complete service from design, design & build, installation and maintenance.

Complete Service

We can provide a complete design service from initial site survey and fee quotation to project supervision / witnessing of commissioning.

We can provide full specification works for tender and design drawings as necessary for all works.

Design Work

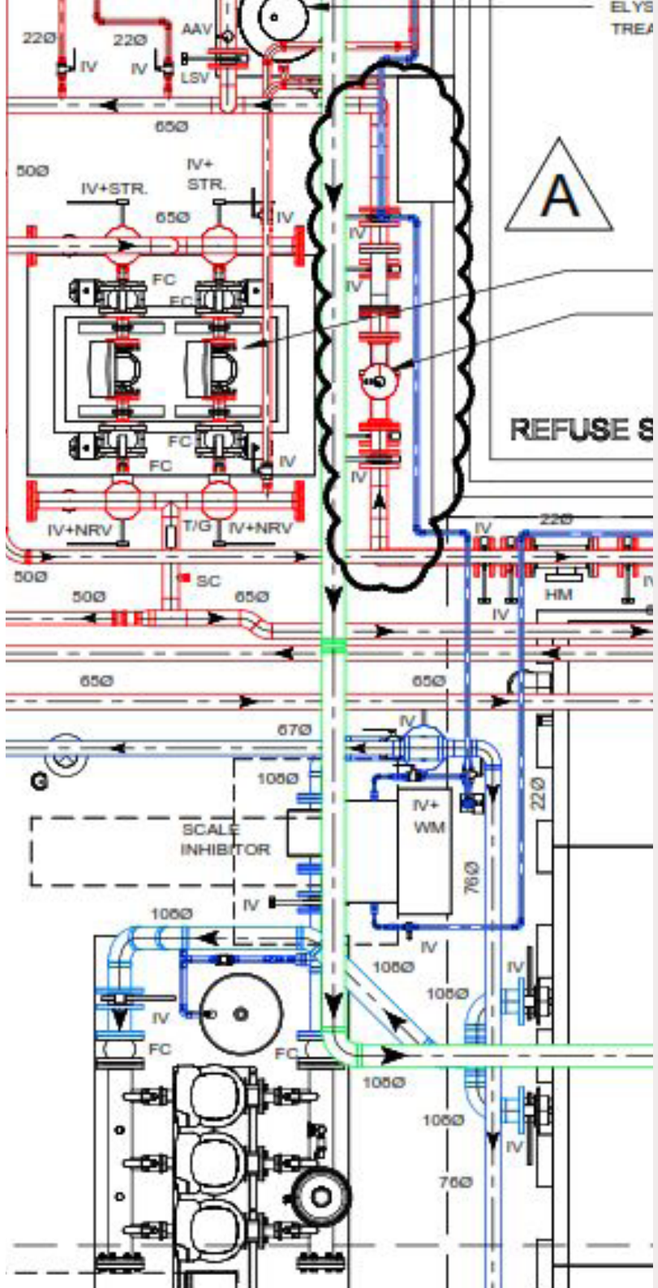
Design work can be carried out by our own in-house team, however we can, as required, utilise the services of external partner consulting engineers with Watkins managing the process.

Our team can produce fully detailed designs and fully co-ordinated working drawings using the latest AutoCAD drawing software.

Design Calculations

Our design calculations are carried out utilising the latest design software packages and are in full accordance with current legislation and CIBSE guidelines.

We are also able to assist with building control submissions and calculations necessary to comply with Building Regulations.



Residential, Commercial & Industrial Building Services Engineering Systems Including:

- Drainage Schemes – Above Ground Design
- Gas Systems
- LV/HV Electrical Systems
- Telecommunications Provisions, Cable/ Satellite Systems
- Interior and Exterior Lighting
- Heating Systems
- Ventilation Systems (including Heat Recovery)
- Hot and Cold-Water Services
- Security, CCTV and Door Entry Systems
- Dry Riser Schemes
- Wet Riser Systems
- Air Conditioning
- Fire Alarm Systems
- District Heating Systems
- Renewable Technology Designs
- Sprinkler Systems
- Smoke Extract Systems
- Lightening Conductors
- Smoke & Environmental Ventilation
- Car Park Ventilation
- Building Management Systems

Environmental, Social & Governance

The impact of Watkins operations on our employees and the wider community is a key priority and working safely is at the forefront of all our business decisions.

With dedicated staff, inspections and an extensive training programmes, risks to our business and clients are positively reduced.

Environment

Watkins monitors and aims to reduce our impact on the environment. Monitoring includes waste, CO2, energy and water usage.

We have reduced our energy use recently with solar panels to all offices and switching vehicles to more efficient models.

Quality

Our Quality Management System ensures that all work sare independently checked and tested prior to handover. Our induction and personnel checks ensure each operative is qualified prior to works.

Test and inspection sheets are completed for each level of the installation (i.e. first fix, second fix). All systems are commissioned by highly qualified engineers. Any defects are tracked and improvements suggested.

Health & Safety

All works are planned to incorporate the latest technologies and techniques to reduce the risk of harm. Safety Plans, Method Statements and Risk Assessments are developed and reviewed for all works.

All site staff carry relevant CSCS cards and are trained in manual handling, noise and vibration, PUWER, working at height and face fit testing.

WASP: Watkins Audit And Safety Program

Every Watkins site is audited by independent HSEQ Consultants on a monthly basis as a minimum, and more frequently where required.

Inspections cover all aspects of Watkins works including documentation, site conditions, environment, equipment, quality management and behavioural safety. Reports are produced on iPads and available with photos electronically

All WASP metrics and information for our Customer Care department is collated to produce monthly HSEQ reports.

These reports are used to benchmark Watkins performance both against internal targets and against industry standards.

Community Engagement

We're committed to engaging with our neighbours, local communities and businesses, suppliers and doing our bit for the environment.

Youth Construction Trust
We work closely with the Youth Construction Trust providing immersive experiences and on site training to young people who face barriers getting into construction.

Proud sponsors of Thanet Wanderers
We're long-standing supporters of local rugby team Thanet Wanderers. We're proud to be principal sponsors of the Mini and Juniors team and support the club's Schools and Community programme.

Proud sponsors of Keely Chiericato PGA
We're proud to support professional PGA golf coach Keely Chiericato, based at Manston Golf Club just a few miles down the road from our head office. We've sponsored Keely for a number of years now and it's a pleasure to watch her career develop.

Our people

Jade Plain

Document Control Assistant Manager

Jade is a Document Controller in the Operations Department and has been at Watkins for 7 years. She first started in our customer care team and has progressed to a document controller, and most recently assistant manager, spending time both in the office and out on site.

Sam Taylor

Project Engineer

Sam is a Project Engineer in our Operations Department and has been at Watkins for four years. Sam has made steady progress over the years, having completed a HNC and HND in Building Service Engineering.

He currently spends three days a week on site and is the first point of contact for clients and the team on site, identifying problems first hand and working towards a solution.

Watkins Energy

Watkins Energy offers end-to-end energy services, specialising in the design, construction and ongoing operation and maintenance of both small and large-scale heat networks.

We work closely with developers, local authorities, housing associations and managing agents to make sure our fully managed service enables our heat networks to be maintained and operated to the highest standard.

www.watkinsenergy.co.uk

Watkins Academy

Good safety is paramount to any business and it's one of our values. We created Watkins Academy to support our subcontractors to become competent in a challenging industry.

We offer HSEQ consultancy to help businesses in construction develop safe working practices and also offer HSEQ training sessions.

www.watkins-academy.co.uk

Head Office
Watkins House, Leigh Road,
Haine Business Park,
Ramsgate, Kent,
CT12 5EU

General Email
info@watkins.co.uk

Phone
01843 852277

Customer Care Email
customercare@watkins.co.uk

Find Us Online
watkins.co.uk