



Mech-Elec

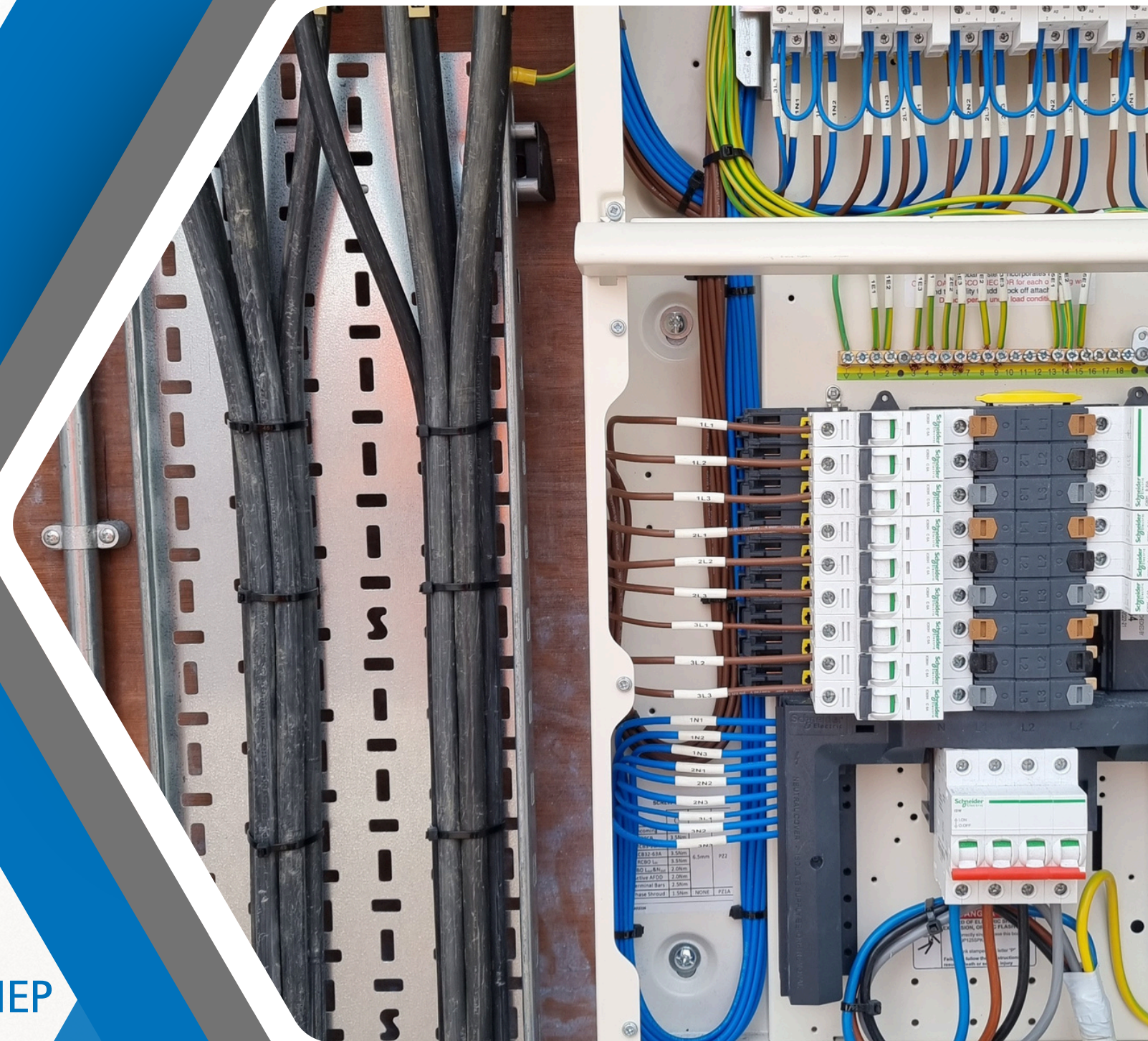
Building Services

DELIVERING ENGINEERING EXCELLENCE

Electrical Installation | Maintenance | EICR's | Emergency Lighting | LED Upgrades | MEP

www.mech-elecbuildingservices.co.uk

0115 6670244





CONTENTS

▶	Mech-Elec Building Services	1
▶	Contents	2
▶	About us	3
▶	Our Electrical Services	4
▶	Planned Preventive Maintenance	5
▶	EICR's Electrical Condition report	6

▶	Emergency Lighting	7
▶	LED Lighting upgrades	8
▶	Mechanical, Vent and plumbing	9
▶	Accreditations	10
▶	Our management team	11
▶	Contact us	12



ABOUT US

At Mech-Elec Building Service we bring over six decades of combined experience delivering electrical and mechanical solutions that keep buildings safe, efficient and compliant.

From commercial offices and industrial units to schools, healthcare facilities and retail environments our engineers deliver reliable installation, testing and maintenance services tailored to each client's needs.

Whether it's a new installation, planned maintenance or compliance testing such as EICRs and emergency lighting inspections we help businesses stay powered, protected and energy-efficient.

As an NICEIC Approved Contractor, ECA Member, TrustMark Government Endorsed Quality business and CHAS Advanced Accredited company we combine traditional expertise with modern technology to deliver results you can depend on — every time.





OUR ELECTRICAL SERVICES

Electrical installations

We deliver complete electrical installation services for new builds, refurbishments and system upgrades – all fully compliant with BS 7671.

Our capabilities

- LV power distribution systems
- Sub-main distribution and switchgear installations
- Containment systems (tray, trunking, conduit, basket, etc.)
- Lighting installations (interior, exterior, emergency)
- Lighting controls and automation systems (PIR, DALI, daylight harvesting)
- Small power installations (sockets, floor boxes, desk modules)
- Data and structured cabling systems (Cat6/6A)
- Fire alarm and life safety systems
- Security systems – CCTV, access control, intruder alarms
- Earthing and bonding installations
- UPS and generator installations
- Surge protection systems
- Mechanical power supplies (AHUs, pumps, fans, etc.)
- Containment and wiring for mechanical services
- Testing and inspection (EICR, commissioning, certification)
- Temporary site electrical services
- Electric vehicle (EV) charging infrastructure
- Solar PV integration and renewable energy systems
- Power factor correction and energy efficiency solutions
- BMS (Building Management System) interface wiring
- Metering and energy monitoring installations





PLANNED PREVENTIVE MAINTENANCE (PPM)

Reduce downtime, extend equipment life and maintain compliance with a tailored PPM package from **Mech-Elec**

Key Benefits

- Early fault detection and reduced breakdowns
- Improved system reliability and performance
- Compliance with insurance and statutory obligations
- Detailed service reporting and recommendations
- Customer portal for quoting and asset management

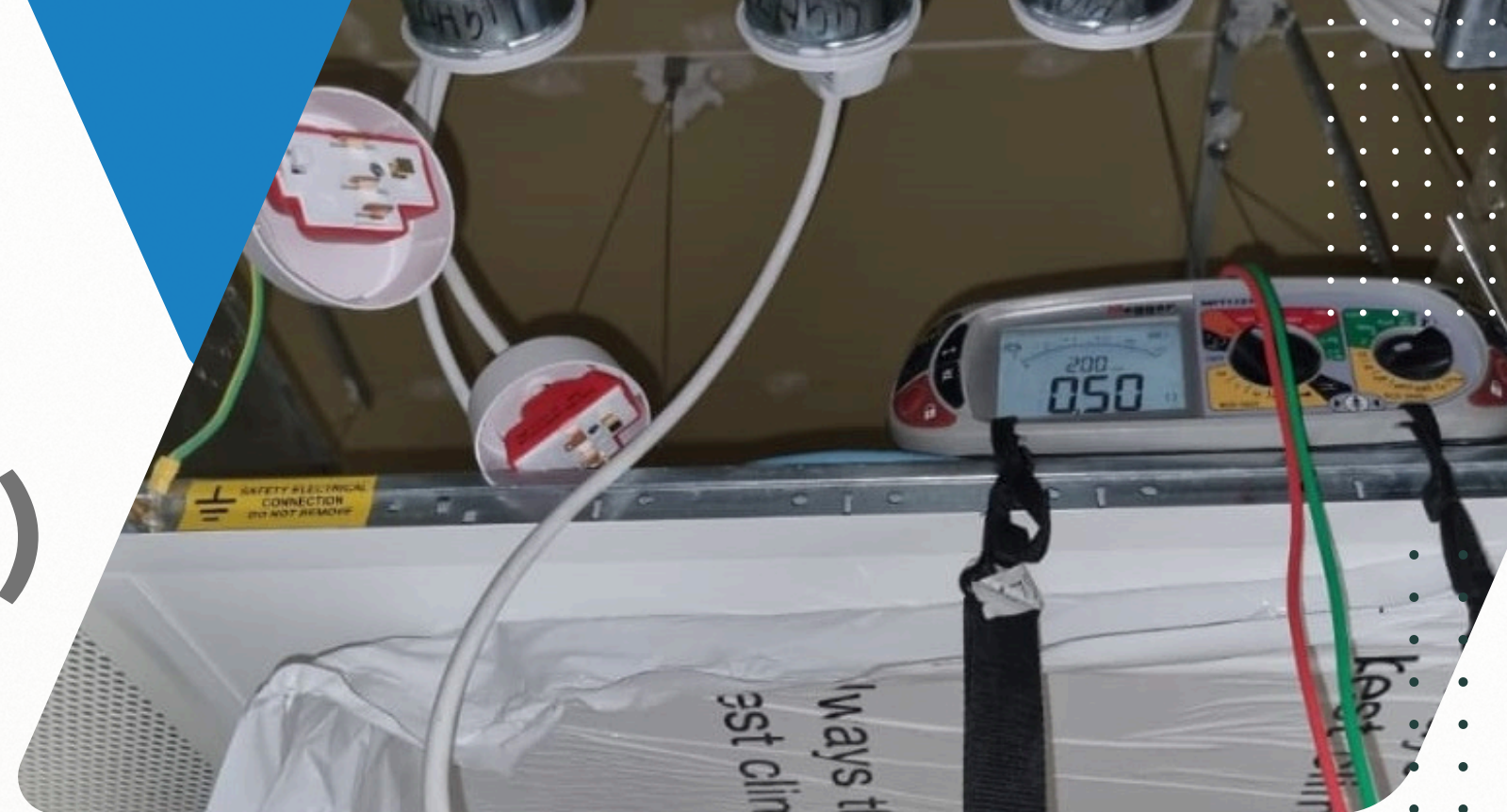
Our qualified engineers ensure your electrical systems operate safely and efficiently – all year round.





ELECTRICAL INSTALLATION CONDITION REPORTS (EICRS)

Regular EICRs are essential to comply with BS 7671 and protect people and property. Our experienced engineers carry out thorough inspection and testing to identify defects, non-compliances or potential hazards.



Recommended EICR Test Intervals

- Commercial premises (offices, shops, retail units) every 5 years or on change of occupancy
- Industrial premises (factories, workshops, warehouses) every 3 years
- Educational establishments (schools, colleges, universities) every 5 years
- Hospitals and healthcare premises every 5 years (some critical areas may require more frequent testing)
- Landlord / rental properties (HMOs and private lets every 5 years (legal requirement under the PRS Regulations 2020)
- Public buildings (libraries, community centres, civic buildings) every 5 years
- Farms and agricultural installations: every 3 years
- Churches and places of worship: every 5 years (as advised by insurers and diocesan authorities)

Our EICR Service includes

Our EICR service includes:

- Full inspection and testing of all fixed wiring
- Photographic evidence and detailed coding of observations
- Clear recommendations for remedial works
- Certification aligned with insurance and legal requirements

We help ensure your business remains safe, compliant, and audit-ready.

EMERGENCY LIGHTING

Keeping your building compliant, safe and ready when it matters most.

Emergency lighting is vital for life safety and legal compliance.

At Mech-Elec Building Services, we design, install and maintain systems fully compliant with BS 5266 – giving building owners and occupants complete peace of mind during an emergency.

Our services include:

- Design and installation of BS 5266 compliant emergency lighting systems
- Monthly function tests and annual 3-hour duration tests
- Lux level verification, remedial works and lighting performance validation
- Detailed compliance reports and certification for insurance and safety records

Regular testing isn't optional – it's a legal requirement under BS 5266-1.

Mech-Elec offers planned maintenance contracts to ensure you stay fully compliant and avoid costly penalties.

- Monthly function checks – confirm all fittings operate correctly
- Annual 3-hour discharge tests – with certified reports for your record



LED LIGHTING UPGRADES

Lighting often accounts for up to 40% of a building's energy usage and upgrading to LED is one of the quickest ways to reduce costs and ongoing maintenance.

Through our LED4Business division we deliver tailored energy-efficient lighting solutions that combine quality, performance and return on investment (ROI).

Our LED upgrade services include

- Site surveys and lighting design
- Supply and installation of premium LED fittings
- Integration with controls and sensors
- Energy savings and ROI reporting

We help clients cut costs, meet sustainability targets and enhance working environments.



MECHANICAL, VENTILATION & PLUMBING SERVICES

At Mech-Elec Building Services we deliver reliable, energy-efficient, mechanical, electrical and plumbing solutions designed to keep buildings safe, comfortable and compliant.

Our experienced engineers manage every aspect of mechanical systems from design and installation through to testing, commissioning and ongoing maintenance.

Mechanical Services

- LTHW and CHW pipework installations
- Boiler and plant room installations
- Pump sets and pressurisation units
- Air source and ground source heat pump systems
- Heat interface unit (HIU) installations
- Gas installations and testing
- BMS integration and control wiring support
- Heat recovery and energy-efficient system upgrades
- Commissioning and system balancing
- Thermal insulation and trace heating
- Pre-fabricated plant assemblies and modular risers
- Mechanical containment systems

Ventilation Services

- Supply and extract ventilation systems
- Heat recovery ventilation (MVHR / HRU) systems
- Smoke extract and car park ventilation systems
- Ductwork fabrication and installation (galvanised, stainless, and fire-rated)
- Local exhaust ventilation (LEV) systems
- Attenuators, dampers, and grille installations
- Air handling unit (AHU) and fan installations
- Testing, commissioning, and air balancing
- Ductwork cleaning and maintenance services
- Natural ventilation and passive systems

Plumbing Services

- Hot and cold-water services installations
- Boosted cold-water systems
- Domestic water storage tanks and break tanks
- Sanitaryware and brassware installations
- Soil, waste and vent pipework systems
- Rainwater harvesting and greywater systems
- Above-ground drainage systems
- TMV and backflow prevention installations
- Water treatment and chlorination services
- Legionella risk management support and compliance testing



ACCREDITATIONS

- ▶ NICEIC APPROVED CONTRACTOR
- ▶ ELECTRICAL CONTRACTOR ASSOCIATION
- ▶ GOVERNMENT TRUSTMARK APPROVED
- ▶ CHAS ADVANCED SSIP
- ▶ DBS ENHANCED CHECKED



OUR MANAGEMENT TEAM



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Location

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