

Electrical Contracting

Empowering Performance



Proactive electrical maintenance to minimise production downtime and eliminate inefficiencies

AES offer a range of specialist services suited specifically to heavy-duty industrial and manufacturing environments. However, the business was built upon a bedrock of general electrical contracting services, which we still offer today.

Power & Distribution

Small Power

Lighting



Electrical Contracting

General electrical contracting covers a much wider gamut of services than most people initially consider. As well as providing a **reactive emergency call-out service** when things go wrong and faults occur, AES spend much more time supporting manufacturing, engineering, industrial and other commercial clients with a much more proactive electrical support service.

New build design & installation

With ever-rising energy costs, we can advise you on **making your building more energy efficient** and therefore more desirable to potential investors. All the work we carry out is **fully compliant** with all building regulation requirements.

Moving premises

When relocating to larger or smaller premises, moving electrical equipment often causes the most issues because of its size, age or general conditions. That's where we come in and can ensure that the **move runs smoothly**.



Switchgear Replacement

Investing in replacement switchgear can make a lot of business sense in terms of **efficiency and reliability**, plus the latest products can be **fully automated**. Our highly experienced team will ensure that your switchgear is replaced **with minimum disruption** to your day to day operations. We can also help with the switchgear specification, the schedule of work and removal of redundant switchgear.



Fire Alarm installation

All our fire alarm systems are designed by us to BS 5839. These are on constant standby, ready and waiting to operate in the event of a fire, allowing people to safely exit the building. Alongside this, we can integrate the fire alarm with music systems, fire shutters and mechanical equipment to ensure the **system is fully automated**

Planned Maintenance

Ensuring **the efficiency of modern production facilities** is critical in today's competitive marketplace. A planned preventative maintenance programme is one way to ensure your equipment is always operating at this level. Combined with the tightening of legislation that often requires regular, mandatory testing of electrical installations, opting for a planned maintenance programme has many benefits.



Electrical Contracting

Power & Distribution

All commercial buildings, particularly industrial environments and factories, have the challenge of taking the electrical input from the grid and then distributing it around the premises as required.

We can assess where power is needed and calculate how the power should be distributed from the mains distribution point. As well as considering what is currently required now, **we'll consider your future growth plans and what flexibility needs to be built into accommodating additional equipment or machinery.**

Small Power

Small power and lighting circuits are the next stage after main power and distribution and involve the final circuits from the specific distribution points to all the equipment, using three-phase supplies.

Three-phase supplies are much more efficient for commercial volume users of energy, allowing you to **run lower voltages**, use more **cost-effective** wiring and make the building a much **safer environment**.

Lighting

As well as **installing low energy lighting**, AES can also help clients significantly **reduce their power usage** through **Lighting Control** and **protect staff safety** with **emergency lighting** installations.

As with many energy-saving ideas, **lighting control** has two key benefits: environmental and cost, generally **saving around 30%-50%**.

If the **eco-friendly** option is also one that will **save your company money**, then it really is a no brainer. And with major advances in lighting systems and lighting control, cost savings aren't restricted to your energy bills – some modern lighting controls are **cheaper to install** than the traditional 230V switches.

Lighting control covers a number of different options and systems to ensure energy usage is minimised. These cover **dimmers, manual lighting controls, timed systems, movement sensors** (passive infra-red, ultrasonic or microwave), and **daylight sensors/photocells**.

Making sure your staff can exit a building during an emergency is the top priority for all businesses, and we design our **emergency lighting system** to have a battery-back-up device that automatically comes on when a building experiences a power cut.



Empowering Performance

AES Ltd, Pildacre Lane, Ossett,
West Yorkshire, WF5 8HN

T: 01924 283 737

E: info@advancedelectrical.org.uk

W: advancedelectrical.org.uk



AES
Advanced Electrical Services



AES
Advanced Electrical Services