

we connect



**MES**  
POWER ENGINEERING



**MES Power Engineering** provides high and low voltage engineering services throughout the UK with our team of professional, fully qualified and highly trained Electrical Engineers.

Our Company specialises in the supply, installation and maintenance of electrical equipment along with associated services required by our Commercial Clients and owners of high and low voltage electrical distribution systems.

Our business objective is to deliver a comprehensive service covering all aspects of design, construction and maintenance, combined with quality work and competitive pricing.

# Why MES Power Engineering?

We can provide a full turnkey service, from feasibility and design, through to installation, maintenance and routine inspections. We have experience at working with all the Distribution Network Operators (DNO) and Independent Distribution Network Operator (IDNO) and to their specifications.

We provide our clients with a dedicated point of contact for their distribution connection projects.

## Our Services

- Design and build new HV and LV Installations
- New Multi Utility Connections and Infrastructure
- HV and LV Cable Jointing
- Testing and Commissioning of Distribution Switchgear
- Low and High Voltage Switchgear Maintenance
- Routine Inspections and Asset Monitoring Solutions
- Thermal and Partial Discharge Testing
- Earthing Design and Installation
- P28 Studies
- Harmonic G54 Studies
- Protection and Load Flow Studies
- Cable Fault Location and Repair
- Fibre Jointing and Testing
- Project Management Services
- 24/7 Emergency Call-Out Facility



# Maintenance Solutions

Our maintenance work is carried out in accordance with current codes of practice for the maintenance of electrical switchgear and control gear including BS6423:2014 for low voltage equipment and BS6626:2010 for voltages above 1 kV up to and including 36 kV.

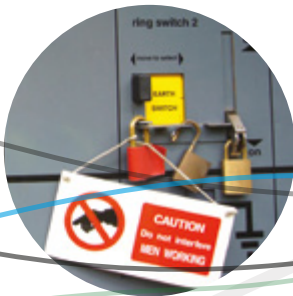
Our contracts are tailored to your needs whether you require a one-off or an annual/ four-year term arrangement we will provide you with a detailed schedule and maintenance report. We can also perform the Authorised Person's duties if you do not have anyone trained at high voltage.

## Maintenance Services

- Routine Inspections and Asset Monitoring Solutions
- Low and High Voltage Switchgear Maintenance
- Transformer and Switchgear Painting
- Thermal and Partial Discharge Testing
- 24/7 Emergency Call-Out Facility
- Cable Fault Location and Repair

### **On routine inspections we:**

- Carry out a statutory visual inspection of the switchgear and substation
- Check security and lighting
- Check earthing and paint condition
- Check batteries and chargers
- Perform a non-intrusive testing
- Carry out any minor repairs



**On maintenance shutdowns in accordance with an agreed schedule we:**

- Carry out a full maintenance of the HV & LV switchgear and battery chargers.
- Take a transformer oil sample to confirm oil integrity to prevent catastrophic failure
- Carry out protection testing
- Carry out any repairs or defects identified by the ENA switchgear database.

**AGEING SWITCHGEAR DILEMMA... Retrofit, refurbish or replace?**

Depending on the age and condition of a switchgear installation there comes a time when switchgear becomes a liability and failure can cause considerable downtime and financial loss. We at MES can help you to assess the condition and recommend either a partial or in serious cases, a total switchgear replacement. We have the expertise to design, plan and replace, minimising power supply downtime in the most cost-effective manner.

## New or Replacement Switchgear Services

- High Voltage retrofit Switchgear truck replacement programmes
- HV and LV Switchgear Changes
- Design and build new HV and LV Installations
- New Multi Utility Connections and Infrastructure
- HV and LV Cable Jointing
- Testing and Commissioning of Distribution Switchgear
- Earthing Design and Installation
- P28 Studies
- Harmonic G54 Studies
- Protection and Load Flow Studies
- Fibre Jointing and Testing
- Project Management Services

**For further details or a quotation call us on**

**0845 519 9303**



mes-power.com

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wemaintain@mes-power.com

