electricity north west

Construction and Maintenance

Low Voltage Maintenance

Electricity North West Construction & Maintenance take away the hassle of managing multiple contracts for one electrical network.

Alongside our specialist high voltage teams, we have a **fully qualified & experienced in-house Low Voltage Engineering team**. Through dedicated Low Voltage resource, we can conduct a full review and maintenance of your network from incomer, primary panels and overall network including, PFC servicing and Electrical Inspection Condition Reports (Fixed Wire Test).

REDUCE DOWNTIME: we will plan LV service activities alongside your HV maintenance, to ensure everything is done at the same time where possible

One point of contact for any questions form your HV to LV infrastructure

Maintanance in line with manufacturers guidelines and compliant with the 'Electricity at Work' regulations

Work carried out to suit production and site demands

Arrange a free survey to add your Low Voltage Network onto your existing HV COMA contract. If you have an LV only site that you would also like placing under our cover or if we currently look after an element of your LV network but require more, then please let us know.

Did you Know?

To fully maintain a primary panel the transformer feeding it needs to be isolated

Even with a withdrawable incomer, to provide a full service including bus bar checks, all power must be isolated to the panel, which includes the transformer. If your LV service is currently carried out without a HV isolation then check that the incomer is included in your service as it can be left out, which then makes this a vulnerable point of failure.

By combining your HV COMA and LV Maintenance we will co-ordinate and manage this process

LV Service includes, but not limited to:

- Service to the lever mechanisms (clean and grease)
- Injection test to MCCBs with electronic trip units
- Contact scrap and clean
- Low ohm testing
- Insulation resistance test
- Termination inspection and torque check
- Inspection to all busbar joints and tightness test

All ACB/MCCB services are carried out as per manufacturers guidelines

- Thermal image under load
- Cable size and condition checks
- Fuse rating and resistance checks
- UV expansion marker applied
- Other standard checks included relevant to each individual switch (due to age variants are expected)
- Asbestos survey and removal on aged units by qualified "Cat B" trained engineers
- Any remedial works that cannot be fixed on the day quoted and you will be informed of defects

Electricity at Work Regulations 1989

Regulation 4 Systems, work activities and protective equipment

(1) All systems shall at all times be of such construction as to prevent, so far as is reasonably practicable, danger

(2) As may be necessary to prevent danger, all systems shall be maintained so as to prevent, so far as is reasonably practicable, such danger

(3) Every work activity, including operation, use and maintenance of a system and work near a system, shall be carried out in such a manner as not to give rise, so far as is reasonably practicable, to danger

(4) Any equipment provided under these Regulations for the purpose of protecting persons at work on or near electrical equipment shall be suitable for the use for which it is provided, be maintained in a condition suitable for that use, and be properly used

61 Regulation 4 covers, in a general way, those aspects of electrical systems and equipment, and work on or near these, which are fundamental to electrical safety

74 The operation, maintenance and testing of electrical systems and equipment must only be carried out by those people who are competent for that work (see also regulation 16)

Call: 0845 0702520 or email us: sales@enwcml.co.uk

FOR MORE DETAILS VIST:
www.enwcml.co.uk