



NG Bailey

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ARC FLASH PREVENTION



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Arc flashes are dangerous job-based hazards for those who work in the electrical industry.

An arc flash occurs when electricity jumps or arcs between conductors. This can trigger an explosion that can kill or severely injure electricians and other site workers, as well as causing major damage to a facility.

The dangers of arc flashes can never be completely eliminated, but the risk can be controlled if you understand where the potential hazards are and take the appropriate steps to ensure the safety of your employees.

Freedom can provide a range of arc flash prevention measures to ensure your power distribution system is designed to mitigate these kinds of risks.

Our arc flash prevention services include:



Identifying which Overcurrent Protection Devices (OCPD) are most suitable for your site



Providing appropriate labelling



Advising which Personal Protective Equipment (PPE) to wear



Undertaking arc flash hazard studies

Arc flash hazard studies

An arc flash hazard study identifies where arc flashes could occur in your power distribution system, how to fix them and mitigate any danger, assesses the overall health of your electrical system and maintains compliance. We recommend that an arc flash hazard study is performed at least once every two years and also when any major electrical equipment is added or removed from your system.

We undertake:



Data collection



Protection grading study



Electrical system modelling



Arc flash analysis



Short circuit study



Detailed presentation of results

What will it cost?

An example cost of an arc flash study for a typical system is approximately £7,750*. There is also an option to lower this cost by providing the data to us in the required format. We feel this is a small price to pay to keep you and your colleagues safe.

If you'd like to discuss this with our specialists, please call 0845 168 6040 or email info@freedom-group.co.uk

www.freedom-group.co.uk