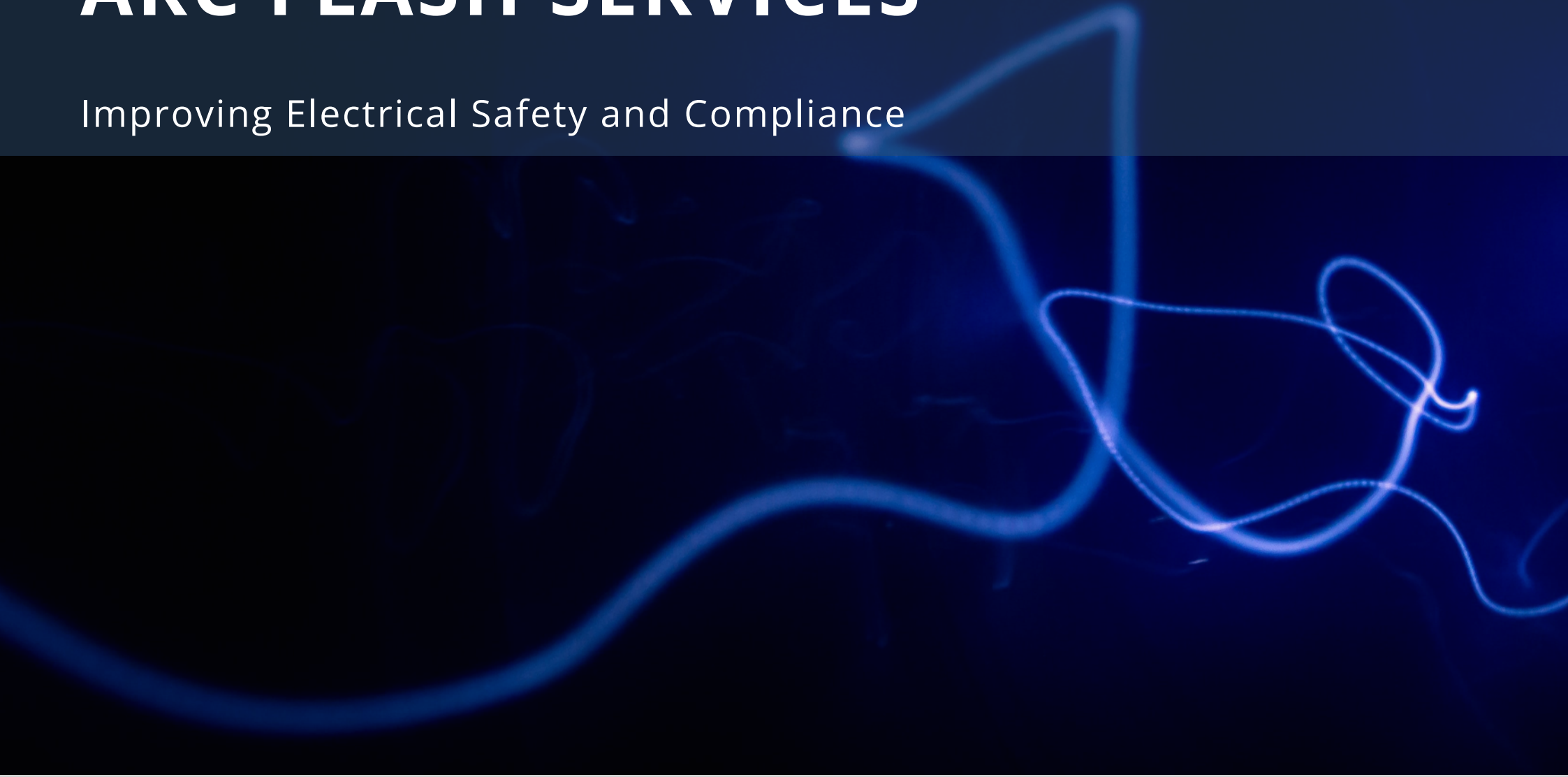
ARC FLASH SERVICES

Improving Electrical Safety and Compliance



Safe Arc Solutions

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Can arc flash impact you?

What is an arc flash?

An electrical arc flash happens when two conducting surfaces inadvertently come into contact, often during testing or maintenance when a tool can be dropped or a mechanism becomes misaligned. A large electrical fault current flows, forcing the surfaces apart and leading to an electrical arc across the gap. This releases a huge amount of energy which can cause serious injury, or death, or result in serious equipment damage.

Arc flash incidents can have devastating consequences for people and equipment.

What are your obligations?

Arc flash is identified in the United Kingdom's Electricity at Work Regulations 1989 as one of the hazards of working with electricity. As such, site owners and operators have a legal duty to understand and control the risks posed by arc flash.

Arc flash is one of the key hazards when working on energised electrical equipment.

How can Safe Arc Solutions help?

We are an experienced arc flash consultancy specialising in studies, risk assessment and management of arc flash. We follow the guiding principles of Predict, Prevent and Protect and have services to support you from initial hazard identification through to a complete arc flash management strategy.

Safe Arc Solutions can help you develop a practical approach to arc flash risk management.

Safe Arc Solutions

Our arc flash services

Predict

Data Gathering
Complete a desktop review or carry out a site visit

Hazard Identification
Review equipment and activities to identify you arc flash hazards on site

System Modelling
Build a digital model of your site's distribution network for the most accurate analysis

Arc Flash Study
Determine the potential severity of an arc flash through evaluation

Prevent

Risk Assessment
Assess the risk level from arc flash for electrical equipment across a site

Risk Reduction Study
Identify ways to reduce the arc flash risk according to the Hierarchy of Controls

Protection Study
Reduce the arc flash severity by adjusting overcurrent relay settings

Protect

Site Strategy
Incorporate arc flash into your safety processes and procedures

Risk Management
Equipment labels, boundary drawings, task risk assessment sheets and more

Arc Flash Training

PPE Selection

Follow-on Support

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