DEKRA
Arc Flash Risk Assessment

Secure Your Electrical Installations.
Safeguard Your Equipment.
Protect Your People.
Arc Flash Risk Assessment by DEKRA

Understand the Risk

Arc flashes occur when electricity travels through the air, either between two conductors or between a conductor and the ground. This can happen when equipment is damaged or poorly maintained, or if someone accidentally touches an energized component. The ensuing intense burst of heat and light is caused by the sudden release of electrical energy and poses a serious hazard to workers in large industrial sites and small offices alike. To prevent accidents, arc flash risks must be identified through thorough assessments, proper use of personal protective equipment (PPE), and accurate labelling. These measures are essential when designing, installing or modifying electrical systems, and just as vital when inspecting existing equipment.

Avoid Injury, Downtime, and Costly Damage

Arc flashes pose a serious threat to workers and electrical systems. DEKRA's Arc Flash Risk Assessment helps you meet safety regulations, avoid hazards, and ensure every panel and cabinet in your facility is properly labelled and compliant. Protect your workforce and get ahead of the risk.

Our Assessment Process

To tend to your individual needs, DEKRA provides a clear, 4-phase approach:

1. **Data Collection** – We collect all necessary data on site based on the diagrams you provided.
2. **System Modeling** – Using NFPA-compliant software, we calculate and analyze the likelihood of arcing as well as the necessary arc flash boundary distances for each panel and cabinet in your installations.
3. **Analysis** – We conduct short-circuit, coordination, and energy analyses.
4. **Reporting** – We provide customized PPE recommendations and equipment labels that specify the arc flash boundaries. If required, we can also apply all labels on site.

Why DEKRA?

With global reach and local insight, DEKRA is your ideal partner for arc flash safety. Our experienced consultants apply global standards like NFPA, IEEE 1584, and OSHA while adapting to your region's specific demands. Our trusted software is regularly updated, ensuring your results are always reliable. Furthermore, we offer personal consultation and appropriate labels in printed or digital form to secure your entire work environment.

Choose safety and compliance. Choose DEKRA.

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