

# Why Choose Katoni Engineering?



## Experienced Team

We have a dedicated team of experienced electrical, safety and regulatory professionals who have proven track records in their respective fields and who are proud of delivering clear solutions and exceptional customer service.



## Tailored Solutions

Our solutions are customised to meet the specific needs of our clients, ensuring that we maximise value and achieve the desired outcomes, whilst always ensuring continued regulatory compliance.



## Innovative Approach

We leverage our expertise to deliver innovative solutions that drive improvements.



## Practicality

As a company who also delivers execute services we provide practical solutions which can be delivered in the real world.

## Contact Us

For more information about our Arc Flash Hazard Management service, please don't hesitate to get in touch with our Head of Department, [debbi.blackwood@katoni.com](mailto:debbi.blackwood@katoni.com). We would be happy to discuss your specific needs and provide customised solutions to help you achieve your goals.

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# Arc Flash Hazard Management

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The consequence of an Arc Flash event can be significant; often resulting in severe injury or death. Katoni have an experienced team of industry professionals capable of providing comprehensive lifecycle support; our Risk Assessments follow the 4P Principles and always apply the Hierarchy of Controls.

## Predict

We predict the severity of thermal effects. We consider the parameters relevant to you and use these to quantify the hazard severity by predicting the thermal effects of Arc Flash incident energy levels using industry standard calculation methods. We will always ensure you understand these theoretical levels, using the latest software to aid explanation.

## Prevent

Prevent the harm. Prevention is the fundamental safety principle for the management of Arc Flash. We seek to design out, eliminate or remove the hazard at its source in the first instance. We have extensive experience of implementing further risk control measures including full engineering, procurement, construction and commissioning services for arc detection scheme installation. We can also support changes to equipment design to include such measures as arc suppression, internal separation, and improved racking design as well as adjusted protection settings, replacement/additional overcurrent protection and switchgear replacement.

## Process

It is a vital element of any effective Arc Flash management system to have robust policies and procedures; our team can provide Electrical Safety Rules based on extensive experience and an abundance of knowledge gained through lessons learned. We advocate for the use and implementation of Dynamic Risk Assessments, developing these and helping you to embed these within the workforce. An Arc Flash Awareness Programme complements these steps; we can provide onsite safety training and education. We also offer audit services to ensure continued compliance with your management system.

## Protect

For any remaining residual risk after all other control measures have been implemented, we protect the worker. We can carry out PPE assessments to adequately define the required PPE characteristics and compare these characteristics with market availability. We take in to account ergonomic factors to ensure a higher likelihood of compliance from the people involved; considering such factors as the heavy nature of Category 4 PPE.