



## DON'T LET IT HAPPEN TO YOU

**Multiple arc flash incidents occur in workplaces across the U.S. every day.**

The risk of an arc flash explosion occurring at your facility is not negligible. The ongoing trend towards increasing power usage combined with an aging electrical infrastructure actually forecasts greater risk in the near future.

The Electrical Power Research Institute estimates direct and indirect costs to an employer from a fatal electrical accident in the millions. This includes:

- ▶ Medical costs
- ▶ Lost productivity
- ▶ Workers compensation
- ▶ Hiring and re-training
- ▶ Equipment replacement
- ▶ Facility repair
- ▶ Insurance premium increases
- ▶ OSHA citations
- ▶ Litigation and punitive damages

And in the end, OSHA will enforce compliance, including performing an Arc Flash Hazard Analysis, through a succession of inspections that can leave you scrambling.

While every facility will have its' own unique set of costs, it has been proven, without exception, it is far more expensive to allow one arc flash accident to occur than it is to prevent it.



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## WHAT IS AN ARC FLASH?

An arc flash occurs when electric current passes through the air instead of its intended path. The result is extremely high heat that causes severe burns, blinding light, and an explosion causing hearing damage, bodily injury and can be fatal.

## SHOCK HAZARD ANALYSIS?

NFPA 70E-2012 130.4 requires that a shock hazard analysis be performed before beginning energized work. AVO includes a shock hazard analysis as part of its arc flash hazard analysis and shock protection boundaries are printed on the labels. AVO places a high priority on electrical safety and offers a full package of electrical safety services.

## WHY USE THIS KIT?

This Kit will help you plan and execute a successful Arc Flash Hazard Analysis, by showing you how to:

- ▶ Build internal support for your analysis
- ▶ Identify the components necessary for compliance
- ▶ Compare bids effectively

## WHO IS THIS KIT FOR

Managers who are responsible for the safety of personnel in their facilities and OSHA compliance.

Managers who are planning to complete an Arc Flash Hazard Analysis and want to collect pricing from qualified providers.