



KINETRICS

Accident Re-Creation to Develop Valuable Sales/Teaching Tools

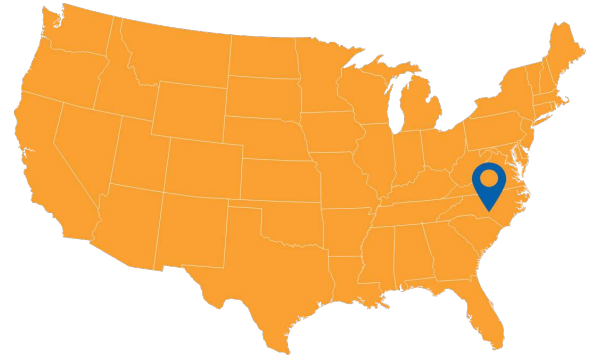
Case Study

Project Objective

Founded in the late 1800s, Glen Raven® has evolved into an industry-leading supplier of fabrics around the world, including the GlenGuard® brand of flame-resistant products. GlenGuard® often calls on Kinectrics to perform routine arc and other testing on their products. However, sometimes arc ratings alone fall short of delivering a powerful message to end-users about compliance.

GlenGuard® placed their trust in the expertise of ArcWear and Kinectrics to re-create various accident scenes to illustrate what could happen in a real-world arc flash incident. These accident recreations were captured with high-speed videography to deliver the eye-opening message to end-users about the importance of high quality PPE.

The goal of the project was to demonstrate the benefits of selecting proper PPE and utilizing best work practices.



Client:



Project Title: Accident Re-Creation to Develop Valuable Sales/Teaching Tools

Location: Burlington, North Carolina, USA

Year: 2021

Scope of Work

ArcWear and Kinectrics were tasked with re-creating dozens of accident scenes using a variety of work scenarios and manikins outfitted with a variety of arc-rated and non-arc rated clothing options.



We called on decades of experience to design realistic settings that are relevant to the client's customer base and pulled together the appropriate equipment set for the various scenes.



Kinectrics provided its world-class High Current Lab facilities and specialized crew of experts to manage multiple days of testing trials safely and efficiently.

All this was provided with safety as a top priority, with trained professional firefighters on-hand to manage any issues resulting from exposing non-arc rated clothing to arc flash.

Delivering Results & Adding Value

This work resulted in an impactful series of high-quality videos that GlenGuard® now utilizes to boost the sales and awareness of its arc rated products. These training pieces serve to dispel several myths about arc rated and non-arc rated clothing, as well as proper (and improper) use of PPE in the field. Seeing firsthand the life-changing devastation that an arc event can cause will quickly change the mind of an end-user who previously may have cut corners with non-arc rated clothing.

In addition to boosting the sales for our client, the work performed by ArcWear in the Kinectrics High Current Lab allowed GlenGuard® to deliver a powerful message that ultimately sends end users into a safer working environment so that they can return home safely to their families each night.



Non-FR Clothing



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