

Window Treatment Manufacturing Plant

INTRODUCTION

A window treatment manufacturing plant in Colorado is tasked with monthly routine preventative maintenance that requires personnel to monitor equipment within five buildings covering approximately 1.25 million square feet. One of the most time-consuming aspects of this task is physically testing for presence and absence of voltage on all of their equipment.

The company has a strong emphasis on safety culture and their safety committee hosts monthly safety meetings for their 30+ maintenance personnel. At these routine tier meetings, leaders are required to bring at least one new topic to discuss.

In keeping with the NFPA 70E Article 120 code, maintenance personnel at this plant are required to don Personal Protective Equipment (PPE) rated for CAT II or IV

THE SOLUTION

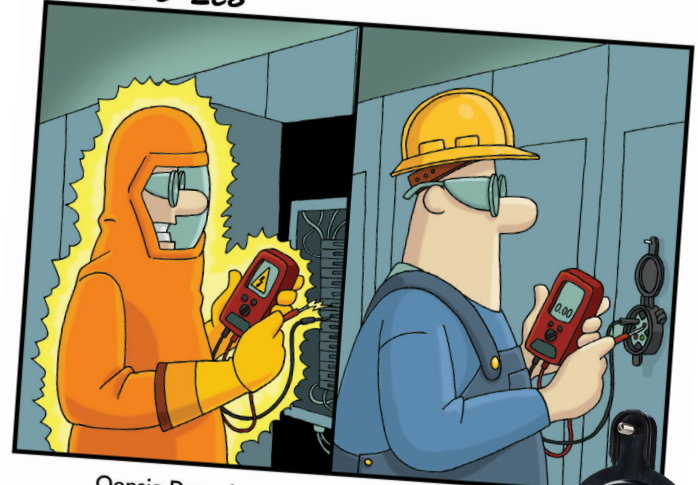
As a longtime user of our GracePort® panel interface connectors, the plant's Electrical Engineer for maintenance and equipment came across our other product offerings online. They immediately recognized what our Permanent Electrical Safety Devices (PESDs) could do for their routine LOTO processes. By not only maximizing the safety for the maintenance personnel involved, the Safe-Test Point™ also saved them time in the process by bringing test points to the outside of enclosures.

The high impedance protected Safe-Test Point™ provided their qualified personnel the ability to perform their monthly duties without having to don PPE. The addition of the PESD decreased a high-volume LOTO process from twenty to thirty minutes down to a five to ten minute task.

equipment in order to safely validate presence or absence of energy. This is due to the requirement that they must open panel doors to perform their tasks on equipment and therefore may become exposed to electrical hazards.

The process of gearing up in the expensive and bulky PPE takes anywhere between twenty and thirty minutes, they reported. To put that into perspective, routinely servicing just one piece of equipment takes up four to six hours per year. That value alone is a mere fraction to the total number of motors and equipment that require routine Lockout/Tagout (LOTO) each year at the 1.25 million square foot plant.

Burnie & Les



Oopsie Doopsie

Easy Peasy

Safe-Test Point™ can be mounted on the side of the enclosure, door or flange and provides four test point jacks to allow measurement of AC/DC voltages either phase to phase or phase to ground. Installation of Safe-Test Point™ allows workers to perform Absence of Voltage Tests from outside an electrical cabinet. By following proper safety procedures, the risks of arc flash or shock hazard is reduced.



Today, they have a combination of approximately fifty Safe-Test Points™ & Voltage Test Stations within their facility and will be purchasing up to twelve more soon, they said. Overall, the manufacturing plant's labor has gone from spending anywhere between two hundred and three hundred hours annually down to between fifty and one hundred hours per year with the Safe-Test Point™ solution.

The addition of PESDs decreased a high-volume LOTO process from 20 - 30 minutes down to 5 - 10 minutes



The Electrical Engineer from the plant had this to say about GracePESDs:

"I actually promote [the Safe-Test Point™] frequently. Great product. Recommend for 208V 3-Phase or higher to use these due to the fact that it mitigates the need to get dressed in bulky arc flash shock hazard gear to verify if there is voltage. For general LOTO aspects, this device is a godsend for us."

–Electrical Engineer, Window Treatment Plant, Colorado

For more information on the Safe-Test Point™ or Voltage Test Station visit us at: www.pesd.com or call 1-800-280-9517 to talk to our sales team.