
Safety Culture Excellence and Electrical Safety Innovations

- A Safety Partnership Story

It all started with a commitment to safety.

Back in 2018, Panduit, along with local supplier partner Rexel, reached out to the “World’s Premier Entertainment Company” to introduce a safety innovation that would change how absence of voltage testing procedures are performed. This innovation would increase not only productivity but also aide in reducing the number of electrical incidents due to human error. That innovation was the VeriSafe™ Absence of Voltage Tester.

Why bring this new electrical safety innovation to this Entertainment Company? Panduit recognized their commitment to safety was instilled into their culture, and knew there was potential to grow an excellent safety partnership.

When safety lives within a workplace culture.

The Entertainment Company believes safety is paramount above all other keys to excellence and is evident in their safety programs and policies. They have established hundreds of internal standards along with an aggressive quality assurance program designed to enforce both their standards and detailed industry regulations.

The Entertainment Company’s safety program communicates its clear vision and dedication to the safety of their employees. It empowers their employees to start their day with the Company’s fundamental safety beliefs at the forefront of everything they do.

Injury prevention and incident reporting are significant features of the Entertainment Company’s safety program. Employees receive education on “near misses” and the importance of reporting them to a supervisor. This open type of communication and empowerment nurture a safety mind-set within the culture.

The Entertainment Company’s safety program breaks out electrical safety “Do” and “Do Not” actions, proper Lockout/Tagout procedures, potential hazard recognition training, the importance of PPE use, and much more. It is provided to all employees, even if they don’t personally interact with electrical equipment in their daily tasks.





Safety Thought-Leadership and Innovation

In 2017, Panduit realized an opportunity to leverage its expertise in engineering and R&D along with its passion for designing innovative products focused on helping to advance the reduction of workplace electrical hazards and formed the Prevention through Design (PtD) team. The PtD team's mission is focused on innovating groundbreaking new electrical safety technology that reduces risk, increases safety, and helps industry leaders achieve operational goals.

Since its inception, the PtD team has been laser-focused on providing industry leading-thought leadership and groundbreaking safety products. We shared this dedication with the Entertainment Company, providing education on the Hierarchy of Controls and the impact designing hazards out of electrical processes have on the reduction of electrical incidents. The Entertainment Company and Panduit already had a robust and long-standing partnership with other solutions, including network infrastructures and IC/MRO products. However, this was an opportunity for the Entertainment Company to recognize and trust Panduit as an expert in electrical safety technology.

The Hierarchy of Controls

The hierarchy starts with the controls perceived to be most effective and moves down to those considered least effective.

The National Institute for Occupational Safety and Health (NIOSH) defines the controls as:

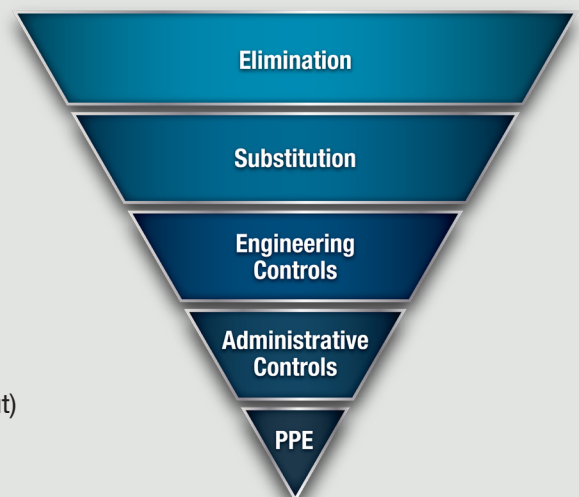
Elimination - physically remove the hazard

Substitution - replace the hazard

Engineering Controls - isolate people from the hazard (VeriSafe™ AVT)

Administrative Controls - change the way people work (Lockout/Tagout)

Personal Protective Equipment - protect the worker (PPE)





A partnership on the horizon... but first, “did Safety approve it?”

Panduit presented its electrical safety innovation, the VeriSafe™ Absence of Voltage Tester, along with its knowledge of electrical standards such as NFPA 70E to the Company’s Laundry Services Department. Due to its extensive electrical equipment demands, Laundry Services showed great potential for reaping the benefits of incorporating the AVT into their safety processes. Panduit was able to illustrate and educate on how VeriSafe AVT improves productivity and efficiencies for both electricians and non-electrical workers. The Laundry Services Team was excited about the product and recognized the benefits it could provide to its daily safety practices and production - there was one small problem; they needed the Safety Department to approve it.

Meanwhile, talks began with the Ride and Show Attractions Department. Attraction maintenance continues 24 hours a day, seven days a week. All rides are inspected every night to confirm that they are ready for the next day’s operation. The theme park’s night shift is responsible for maintenance, inspection, and the attractions’ scheduled service. In order to keep a handle on the numerous attractions spread throughout the parks, the maintenance program is managed through a computer-based system. This system tracks the maintenance requirements of all the attractions and generates management tools that schedule and staff the needed maintenance activities. The sheer volume of attractions that need to be inspected and maintained nightly puts an intense time and productivity demand on the maintenance teams. The theme park needed an electrical safety solution that verified the absence of voltage quickly. The VeriSafe Product Team presented the AVT solution to the Attraction Department. Once again, they thought it was the perfect solution, but asked, “did Safety approve it?”

Attractions and Laundry were onboard, and through their support, Panduit reached out to the Safety Department. Our Prevention through Design team met with their EHS managers and engineering teams. Electrical standards were discussed along with the features and benefits of the VeriSafe AVT. After coordinating resources and careful review, Panduit received approval for the installation of the VeriSafe AVT from the Safety Department.

Permanently Mounted Testers in Standards & Regulations

Best practice for verifying the absence of voltage is described in NFPA 70E. NFPA 70E has requirements for verifying the absence of voltage with portable test instruments (120.5(7)) and permanently mounted test instruments (120.5(7) Exception 1).



The future of our safety partnership.

Through this process, Panduit was able to provide excellent safety solutions to the Entertainment Company and establish ourselves as leaders in the electrical safety industry. The Entertainment Company has asked Panduit to provide further training, thought leadership, and videos to strengthen its electrical safety procedures and develop a VeriSafe AVT installation training program. Panduit looks forward to expanding our partnership with the Company and further improving its electrical safety procedures.

These initial deployments are just the beginning. Panduit is working with the Entertainment Company to provide VeriSafe AVTs in other areas of operations including...

- Facility Infrastructure - Utility, Engineering, and Maintenance
- Transportation
- Research & Development - partnering to expand product solutions to meet The Entertainment Company's needs



Panduit provides ways to make adopting the VeriSafe AVT easier. For example, insulation piercing connectors and retrofit enclosures for consistency and speed of installation. To learn more about Panduit's electrical safety innovations and the VeriSafe AVT, please visit www.panduit.com/verisafe



Since 1955, Panduit's culture of curiosity and passion for problem solving have enabled more meaningful connections between companies' business goals and their marketplace success. Panduit creates leading-edge physical, electrical, and network infrastructure solutions for enterprise-wide environments, from the data center to the telecom room, from the desktop to the plant floor. Headquartered in Tinley Park, IL, USA and operating in 112 global locations, Panduit's proven reputation for quality and technology leadership, coupled with a robust partner ecosystem, help support, sustain, and empower business growth in a connected world.

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**Contact Panduit North America Customer Service by email: cs@panduit.com
or by phone: 800.777.3300**

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PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020