

CPA Safety Innovation Award Winners



2022

Weyerhaeuser - Columbia Falls, Montana

FLIR Windows



A total of 124 Forward-Looking Infrared (FLIR) windows were installed on power transformers across the manufacturing complex to eliminate the risk of 432 individual arc flash hazard exposures while performing monthly and quarterly transformer inspections. Performing these inspections ensures safe and reliable power is delivered to mill operations and provides electricians and engineers with appropriate data to act prior to unplanned equipment failures.



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2021

Weyerhaeuser - Columbia Falls, Montana
Stairway to Safety



Weyerhaeuser

The stairway to safety is an engineered solution to fall hazards that were present when employees accessed the inside a loaded box car in order to secure units for shipment. Before the stairway to safety was implemented, loading box cars had two fall hazards: one to the employee inside the box car and one to the employee on the dock due to a 24 inch gap from the dock edge to the rail car. The stairway to safety was a collaborative effort between the mill personnel and fall protection industry experts. They were able to design and implement a ladder system that not only virtually eliminates the two fall hazards but is designed to be mobile and compact when not in use. The first stairway to safety has been so successful, the mill is working to build secondary systems.

2020

Arauco North America – Bennettsville, South Carolina
Canty Camera System

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The Bennettsville plant's use of the proprietary Canty Camera is a state-of-the art tool for improving fire suppression and detection. Canty Cameras detect visible light changes. The cameras are so accurate that something as simple as a lighter or reflective light strip on a hard hat will be detected by the cameras. Unlike an infrared camera or other traditional detection systems the cameras do not require an extreme heat signature to alarm. The cameras have a digital video recorder (DVR) function that allows operators to have "eyes" in all major areas the press pit from the process control center.



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2019

Arauco North America - Moncure, South Carolina
Light Curtain

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The Moncure plant's use of a light curtain for each packaging line has greatly reduced the risk to employees during quality control checks. A light curtain provides safety by ceasing machine operations if an object crosses a specified zone. The implementation was put into place when an employee got his foot stuck between two bundles while performing a squareness check. The light curtain stops all movement of bundles when the wavelength of light is broken. This technology would have prevented this near miss incident as the movement of the employee in the area would have halted the movement of the bundles and has prevented this incident from happening in the future.

2018

Arauco North America – Malvern, Arkansas
Hit-Not System

arauco

The Malvern plant's use of the proprietary Hit-Not System is a state-of-the art tool for reducing the risk to pedestrians in the wood yard. Hit-Not uses low-frequency magnetic fields that can pass through walls and structures. A magnetic field generator is placed on all powered equipment and a personal alarm device is worn by all pedestrians in their high-visibility vest. The personal alarm device receives a signal from the generator on the equipment warning pedestrians and the equipment operators of possible danger. With this system in place, any time a pedestrian enters the wood yard, operators of front-end loader must place their bucket on the ground until the pedestrian leaves the area.



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2017

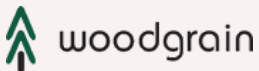
Tafisa Canada Inc. - Lac-Megantic, Quebec
Fail Safe Lock Out Tag Out System



Tafisa's implementation of a fail-safe color-coded lock out tag out system allowed the maintenance team's lock-out procedure to be more time efficient and prevent errors. As a result, when an employee needs to lock a specific area, he uses the coloured locks that match the required section. And if an equipment overlaps two sections, two colours will be assigned to it. Therefore, if the employee needs to lock for example the beige area and an equipment is located in both the beige and blue area, both areas will be locked and the employee has the assurance that overlapping equipment is locked. Therefore preventing power or material flow from coming upstream or downstream into the area where he is working. There is no need to determine which equipment needs to be locked, it's clearly established since each area is organized accordingly.

2016

Woodgrain - La Grande, OR
Employee Driven Safety and Health Program



The Woodgrain Employee Driven Safety & Health Program (formerly Boise Cascade) provides safety and health engagement opportunities so that all employees of the plant may fully participate in establishing and maintaining a safe and healthy work environment. The Woodgrain Particleboard plant has developed a sub-team structure to its safety committee that drives employee involvement. This structure provides more opportunities for employees to be involved. In order for an employee to be considered as participating in the program an employee must have completed a minimum of two safety activities each month. Since the program started on March 1st 2016 there has been 100% employee participation.



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2015

Maibec East River – Nova Scotia

Behavior Based Safety Observation Program



Maibec CanExel™
Engineered siding

The Behavior Based Safety Observation program used at Maibec (previously Louisiana Pacific East River) allows employees take a moment to observe co-workers actions on the floor. A mannequin was used on the floor dressed in various attire and put it in precarious conditions that would allow employees to participate without fear of having a negative interaction. The location of the mannequin and the safety violations involved changed each week and it was communicated to everyone so they could participate equally. Employees were much more engaged, identified many violations and had no fear of reproach or negative reaction as they may have in the past when approaching a co-worker.

2014

Arauco North America – Moncure, NC

Safety Leadership Program

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The Safety Leadership Program implemented at the particleboard and MDF mills in Moncure, North Carolina incorporates leadership training, monthly safety update communications, and procedure and policy development. This program propagates the ideal that production will not take precedence to safety. As a result, these mills had their lowest recordable incident rate in the last 15 years and the severity and frequency of incidents decreased. The Safety Leadership Program implemented at Moncure is driving radical change in a positive direction.



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