

2019 President's Awards



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Alliant Energy – Muscatine, IA

Energy Delivery – Hazard Reduction Project



Whole Body Vibration Reduction Project Summary

- AE Ergonomists coordinated with Fleet Leadership and accessed and measured WBV as a result of fatigue reports from employees
- Tandem axle line trucks measured were over the action level and in some cases limit levels for WBV (EU standard)
- Identify high risk machines and implement WBV reduction strategies which included tire air reductions, minor suspension modifications and an improved Sears Manufacturing seat solution (upper right picture)
- Installed Sears seating solutions (left picture) and created a standard seat specification to reduce WBV exposure
- Implemented new seat standard in all new tandem axle line trucks purchased in the future which reduces WBV by an average of 45% for new tandem axle trucks
- Cost of this hazard reduction project - 185K



Atlantic Bottling Company – Des Moines, IA

TyGard Claw Forklift

We had a tremendous amount of MSD injuries in our Des Moines Distribution Center from handling beverage products. Our order builders average 150-200 cases per hour. We wanted to reduce the amount of product handled, especially for our most sold SKU's. To reduce the amount of cases touched, we purchased a TyGard Claw forklift. This forklift layer picks product from the pallet it is brought to us on and places it on pallets to go direct to customers. It can handle between 1,100 and 1,200 cases per hour alleviating workload on our order builders. We have seen a dramatic decrease in injuries after implementing this.

Before



After



John Deere Waterloo Works – Waterloo, IA

John Deere Module Manipulator



Before

- Hazard: Ergonomic risks to back and work above shoulder

After

- All existing safety projects associated with this task were reduced to acceptable levels as defined by John Deere Ergonomic standards.
- **0 safety incidents** since positioner implemented (7 months)
- Operators shared that they feel **noticeably less fatigued and sore** at the end of the day



Russell Construction – Davenport, IA

Fall Protection Hazard / Fall Restraint System

Fall Protection Hazard (Before)

- We had to replace windows in a 17 story apt. bldg.
- All units were occupied.
- Window sills were well below a standard guardrail height which would expose workers to a fall hazard.
- Could not utilize conventional fall protection.



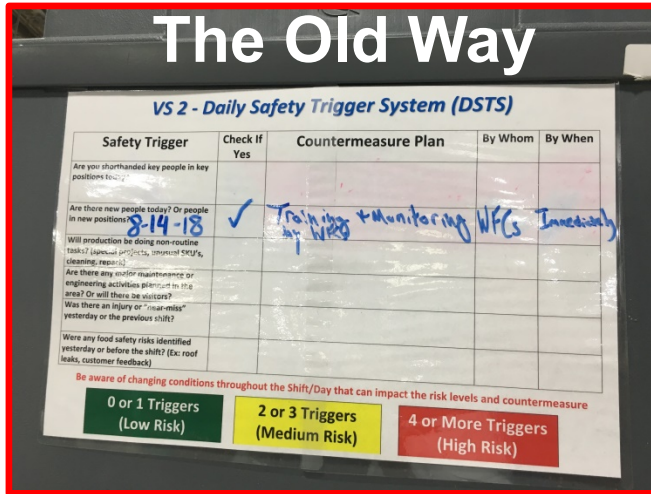
Designed a Fall Restraint System (After)

- These fall restraint dead men were designed to withstand more than 2 times the expected force and can be moved from room to room.
- They were set up for use with a 6' lanyard which prohibited workers from moving past the window opening.



World's Finest Chocolate – Chicago, IL

Safety Communication Improvements



Communicating Hazard Information that people will actually read can be a challenge. WFC installed a powerful laser projector to display important safety information right on the floor at the entrance to the Operations Departments. Information can be updated several times during a shift.

Plus we have some fun with it.



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