

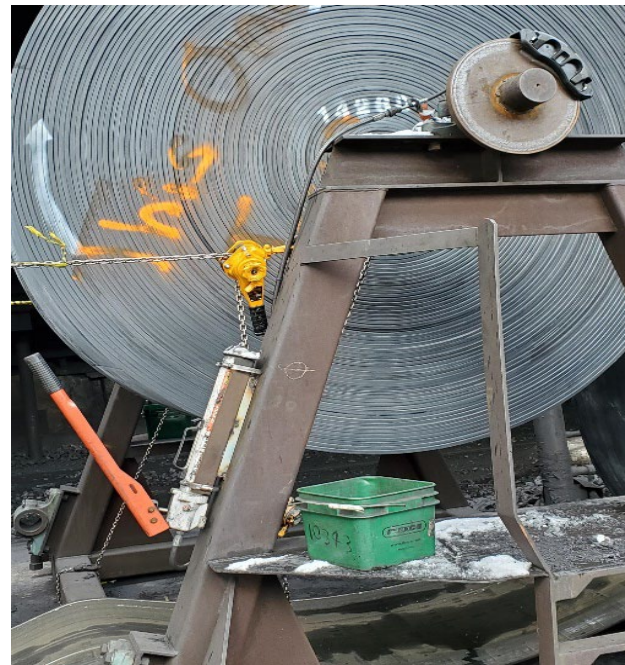


We care  
We support  
We protect

We are Safer Together.  
Every day, everywhere.



## Fluor / IHO SunCoke – Hydraulic Brake System



**FLUOR**

**STORK**  
A Fluor Company



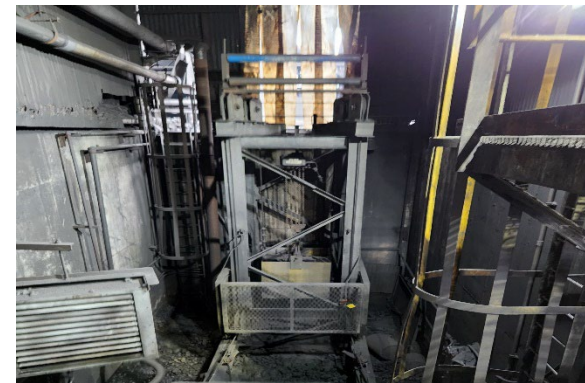
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## Problem:

When replacing a 12,000 lbs conveyor belt roll, the belt is reeled in by the winding belt stand, while the new belt is being installed simultaneously from the Unwinding belt stand.

The main issue that the Millwrights had when installing their conveyor belt was only amplified whenever the Millwrights would have to descend the belt downward such as into the wharf, which can cause the roll to rotate recklessly, and possibly cause damage to either property, equipment, or even cause a potential injury to workers in the workplace.





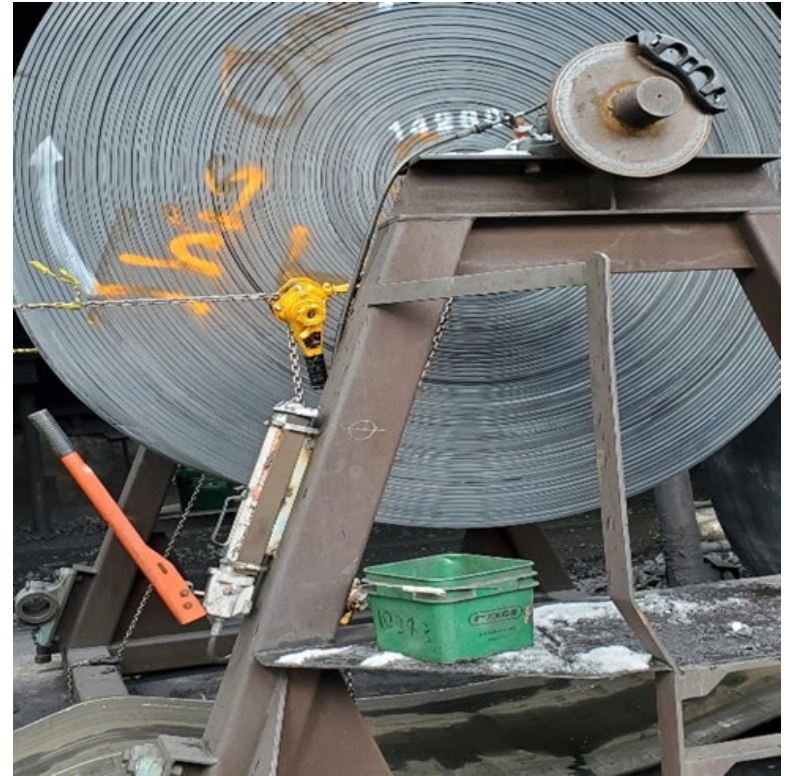
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## Innovative Solution:

That's when Todd Doland came up with the idea to attach a rotor, caliper, and a portable hydraulic pump to the shaft onto the unwinding stand to make it safer and easier for our Millwrights to install their Conveyor belts.





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## Belt Pull Plate & Mechanical Splice Clips

Rigging Straps & come alongs were utilized before the Hydraulic Brake System came into the picture. But now rigging Straps and come-alongs are used as a backup safety control measure even though it is not needed on the unwind belt shaft.

Belt Pull Plate – Winding Stand  
Mechanical Splice Clips- Unwind Stand





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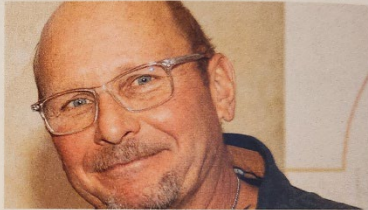


# 2023 SAFER TOGETHER ANNUAL AWARDS

## TODD DOLAND – Millwright

SunCoke Indiana Harbor – East Chicago, Indiana

Todd Doland has been the key to countless technological innovations, process improvements, and safety interventions at the SunCoke Indiana Harbor site. His name has become almost synonymous with the “We Support” category of the Safer Together Annual Awards, as his peers nominate him year after year for his contributions to safety.



The Indiana site encountered a fall incident this year when a bench side floor gave way. It became clear that the Fluor and SunCoke teams needed to come together to create a solution as replacing the bench floor would take months and upwards of \$1 million to complete. Who else to call upon but Todd Doland? Todd was tasked with designing and fabricating a “Cokeside Bench Platform Cart.” The cart eliminated the need for bench floor replacement and provided employees with a safe working platform. This portable bench platform cart eliminated fall hazards for the task and saved SunCoke approximately \$700,000. Todd modified the cart for convenience as well – it is equipped with roller wheels under all four sides to move it as necessary along the train rails from oven to oven. Transporting the cart was also covered in the cart’s design as Todd added lifting lugs and purchase points for forklifts. The cart includes tie-off points to tie off an extension ladder and features a rail brake stop to prevent the cart from experiencing any movement. It doesn’t end there, though. There is also a ramp leverage handle, which makes workers’ access to the oven even more convenient. The Cokeside Bench Platform is just one technological stride that Todd has brought to life. The well-respected SunCoke millwright is committed to making operations faster, more efficient, and most importantly, safer.

SAFER TOGETHER



## 2023 SAFER TOGETHER ANNUAL AWARDS

WE CARE • WE SUPPORT • WE PROTECT

FLUOR

### WE CARE

Those who **CARE** serve the **HEART** of safety. Nominees’ consistent attitude, behavior, and values inspire those around them to pursue safety excellence as they follow their example and impact. They mentor, coach, and lead others with their excellent HSE practices.

### WE SUPPORT

Those who **SUPPORT** serve the **MIND** of safety. Nominees look for tangible ways to collaborate and innovate, seeking out new technologies and systems while sharing best practices and expertise for the betterment of the group. They are active in teaching and training and support the Safer Together program.

### WE PROTECT

Those who **PROTECT** serve the **BODY** of safety. Nominees take practical and action-oriented steps to ensure the safety of those around them by identifying hazards and preventing harm. When they see something, they say something and incorporate changes to mitigate future hazards. They use their Stop Work Authority and Nice Catch to prevent incidents.

### LIFESAVING

Those who had a direct impact or intervened to save a life or to stop a situation that could have been life threatening.

AL AWARDS 2023



Here are a few more of many innovative ideas that Todd also came up with. which are the Column deflective shield (TP), Hydraulic brake system to control the belt, a High Heat Tempered glass designed to protect the factory glass from the extreme heat and to also keep the cab and operator cool, when performing lip chip activities. And finally, The Cokeside Bench Platform.





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# TODD DOLAND'S FAVORITE QUOTE CAME TRUE

**My boss told  
me to have a  
good day...  
so I went  
home.**

