Safety Before First

Safety Culture in Action

James Hall
Director of Safety

Niles Industrial Coatings

NILES
INDUSTRIAL COATINGS

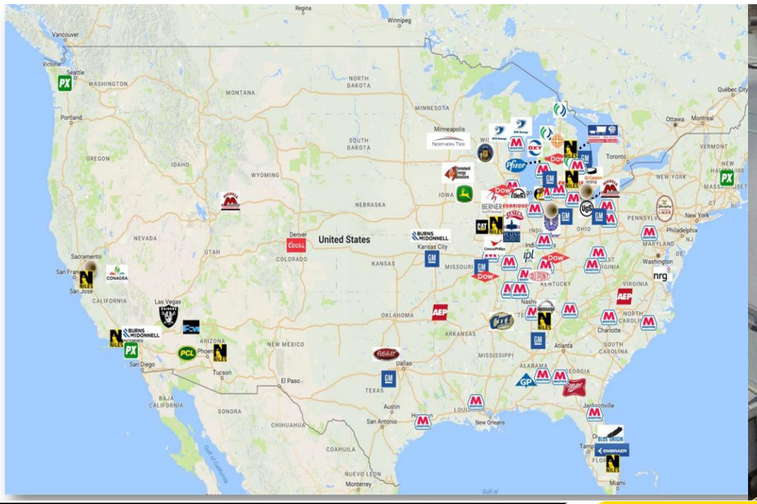
Who Are We?

We are a 3rd generation nationwide asset restoration company and specialty contractor with 80 years of experience in asset restoration and preservation.

Our Mission:

Unlocking potential while protecting your most critical assets.

Locations



Scaffold Staging Access

IP
GM Marion

Roof Restoration
GM Charlotte

- Industrial Painting
- 10-40K Blasting
- Sandblasting
- Industrial Cleaning
- Lead Abatement
- Corrosion Control
- Roof Restoration
- Interior Protection
- Staging & Scaffolding
- Insulation

Safety Culture in Action

C T H

CARE. TRUST. HELP.

TAKE THE TIME TO CARE, IN ORDER TO BUILD TRUST,
THEN YOU ARE ABLE TO HELP ONE ANOTHER.

Safety Culture in Action – Key Takeaway

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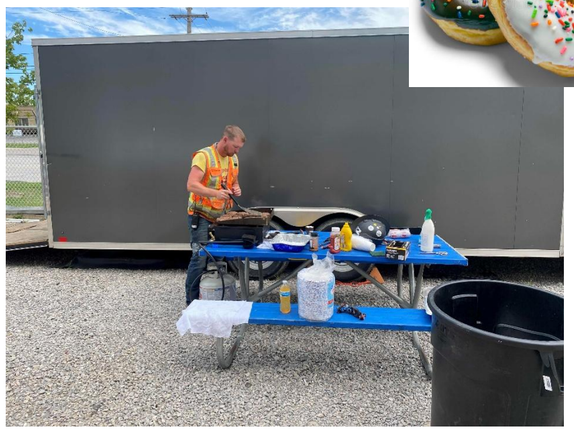
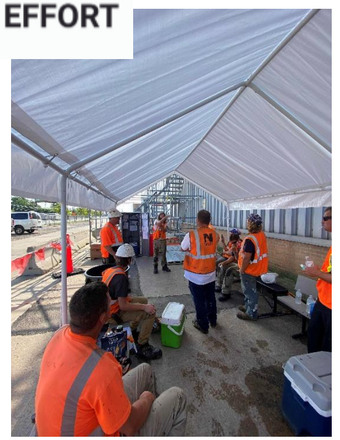
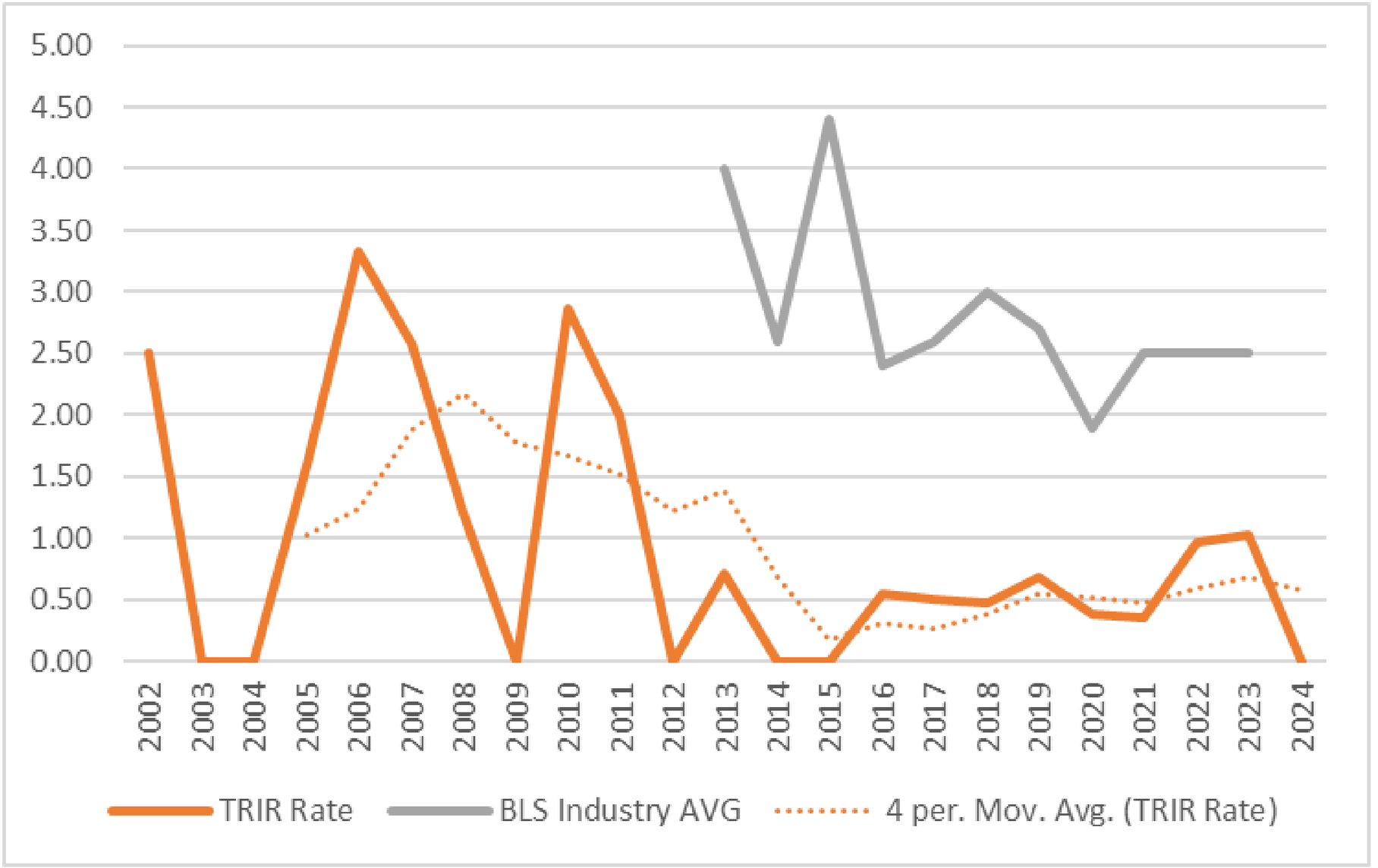


SAFETY
IS A TEAM EFFORT



NILES - TRIR Over Time



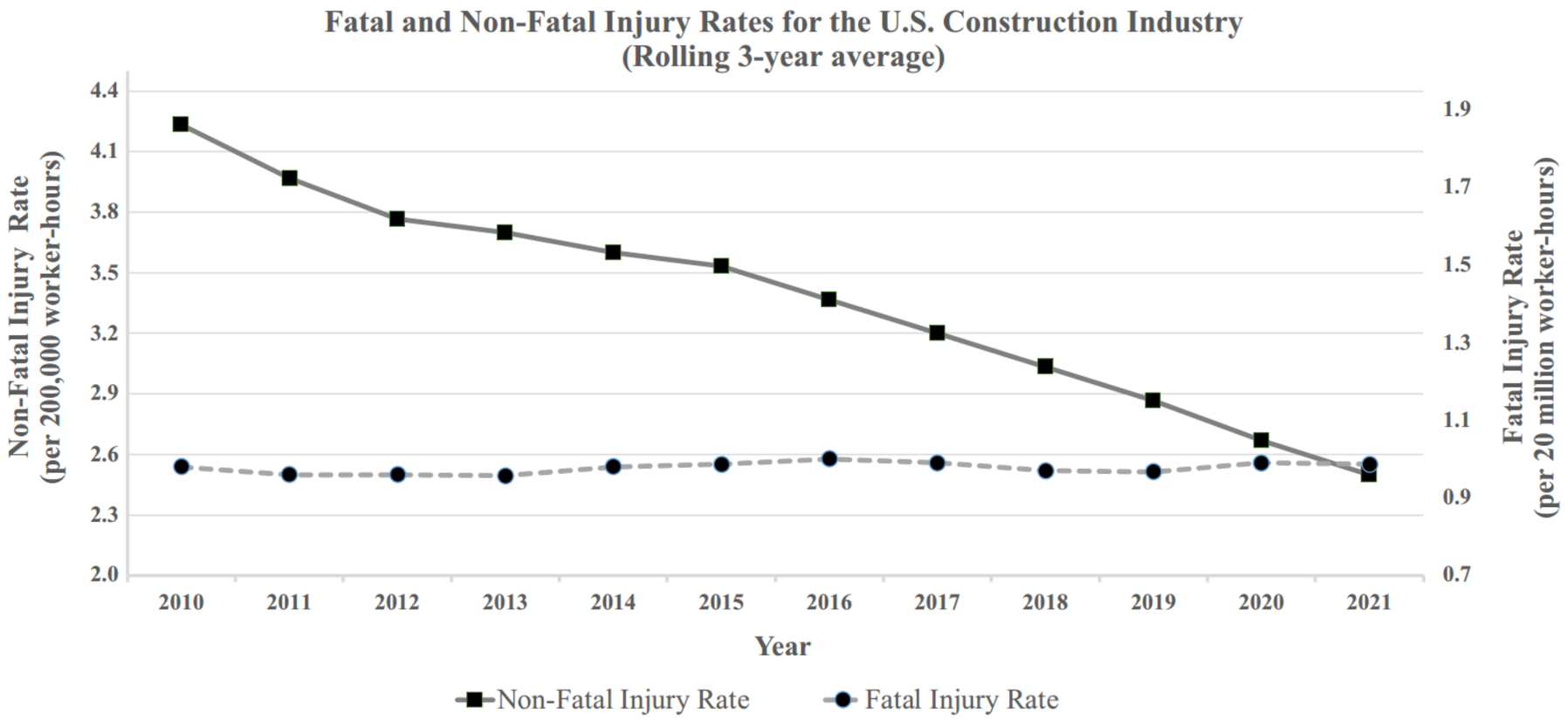
NILES -1.0M+ hours without lost time Injury

PRODUCING A “CULTURE OF BETTER” THROUGH INNOVATION AND ACCOUNTABILITY

Heinrichs Triangle – Behavioral Based Safety

Heinrich's Triangle Theory

Fatal v Non Fatal Injury Rates over Time



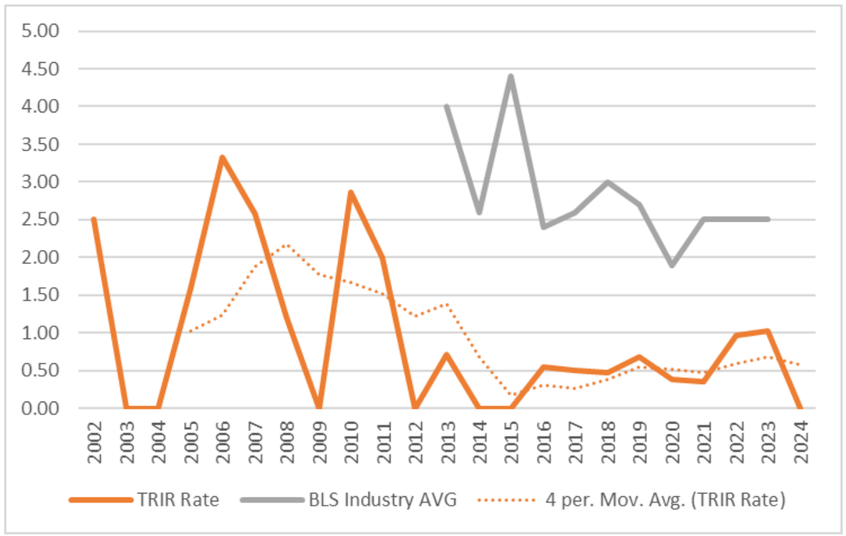
bayona-et-al-2024-the-things-that-hurt-people-are-not-the-same-as-the-things-that-kill-people

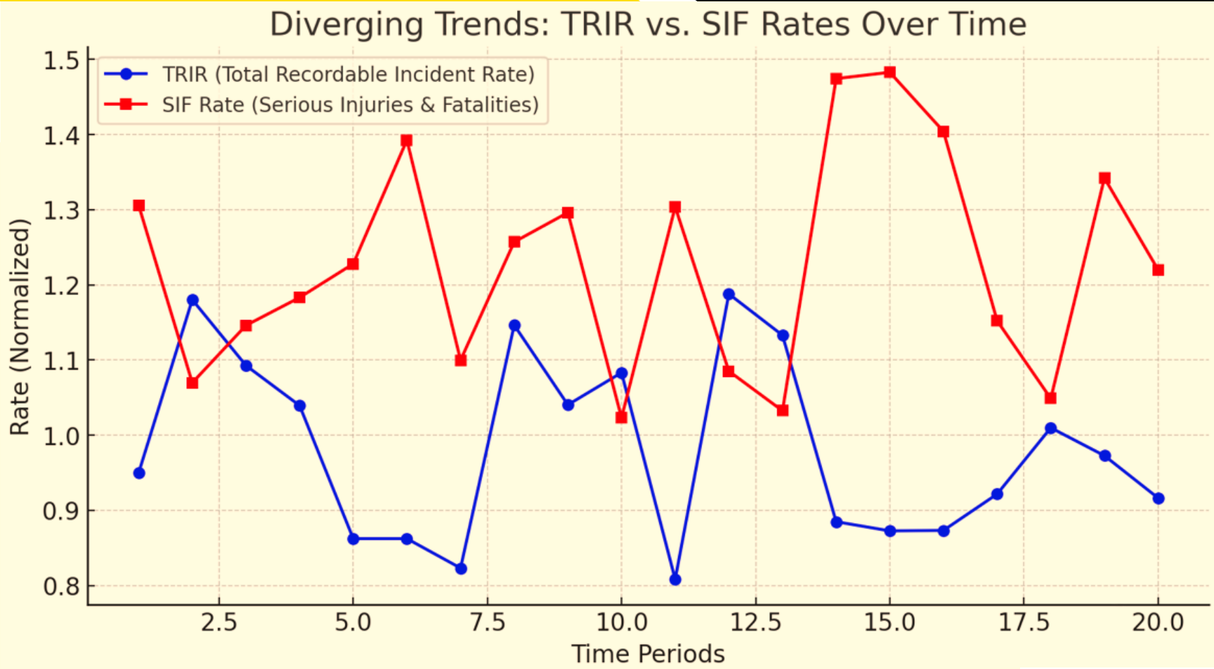
What does a low TRIR mean

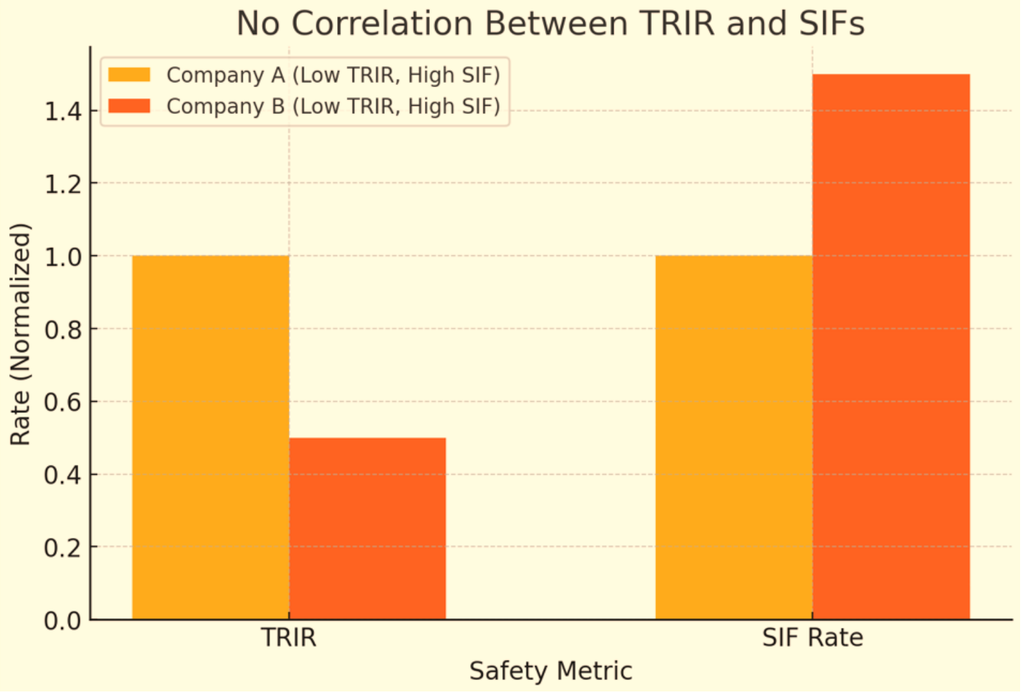
1. **No Statistical Correlation Between TRIR and SIF**

2. **TRIR is Almost Entirely Random and as such is Not a reliable performance Indicator**

3. **A low TRIR is not a good indicator of future safety performance**







Human Organizational Performance – Todd Conklin

- **How leaders respond to failure matters**

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- **Mistakes are normal**

  “People make mistakes. Even the best people, in the best organizations, in the best conditions.”

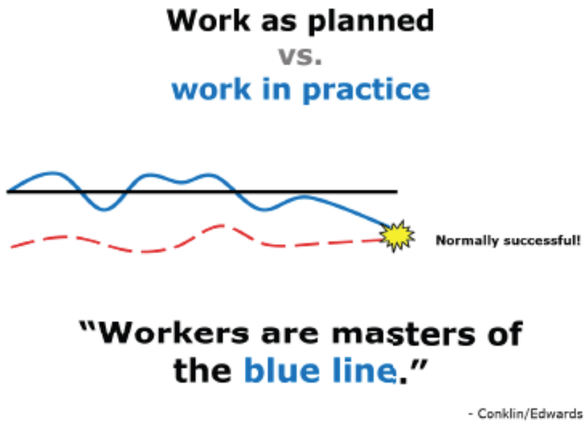
Two Key Factors Differentiate SIFs from Minor Injuries?

Two Key Factors Differentiate SIFs from Minor Injuries

(1) Absent or Not Followed Work Plan

Work planning and execution failures were **highly prevalent** in SIFs.

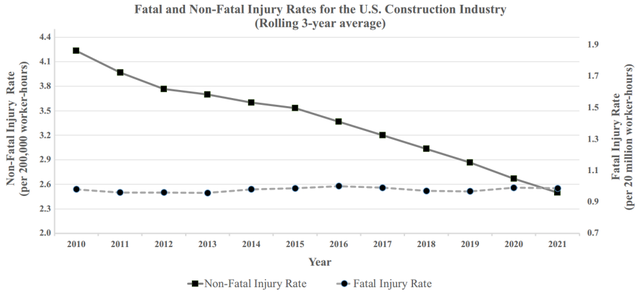
A failure to properly assess and/or control high-energy hazards **led directly to fatalities**.



Two Key Factors Differentiate SIFs from Minor Injuries

(2) Absent Direct Controls

In nearly every SIF incident, **direct controls were missing** or not functioning properly.



Direct controls are

- Physical barriers or fail-safes that keep workers separated from the hazard
- Or mitigate energy exposure when it is released
- And work when a mistake is made

Safety Culture in Action

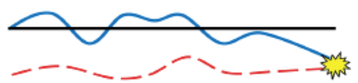
Start When Safe – Key Components

NILES

TriRex Fall Cart Setup & Inspect

NILES UNIVERSITY

Work as planned
vs.
work in practice



"Workers are masters of the blue line."

- Conklin/Edwards

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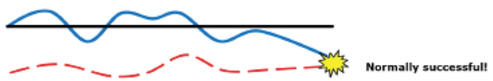

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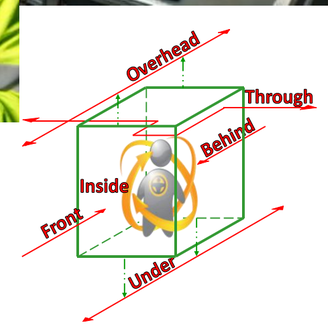

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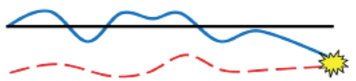

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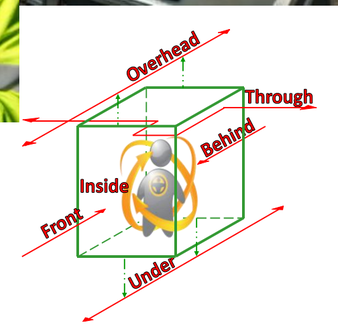
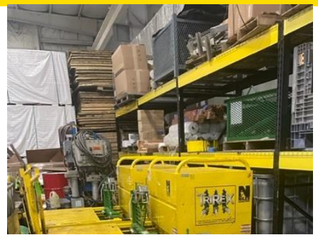


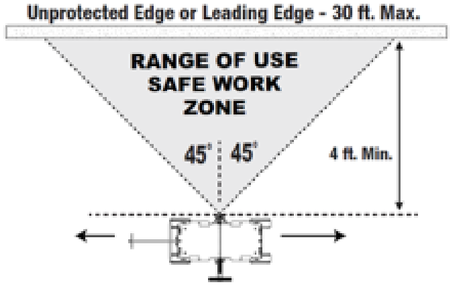
What is it that can seriously hurt or kill me?

What are the direct controls in place to prevent this happening?

Are they sufficient & Are they working?

Fail Safely – Key Components





Prior to Positioning the Penetrator:
Verify that the surface is capable of supporting the Penetrator, ballast weights, cart, and all personnel using it.

Range of Use Chart

Distance to Leading Edge	Maximum Range of Use
4 ft.	8 ft.
5 ft.	10 ft.
6 ft.	12 ft.
7 ft.	14 ft.
8 ft.	16 ft.
9 ft.	18 ft.
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11 ft.	22 ft.
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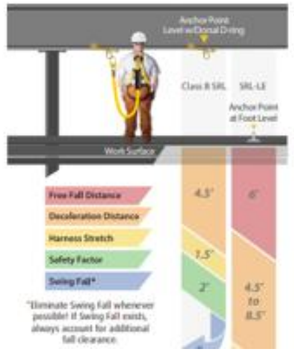
14 ft.	28 ft.
15 ft.	30 ft.

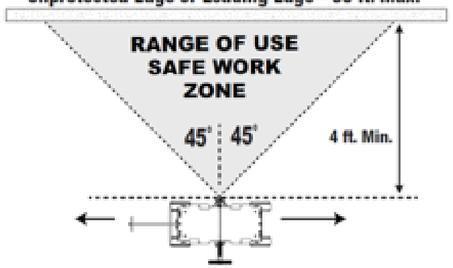
After 15 ft. Max. Range No Greater than 30 ft.

Equipment Standardization



Fail Safely – Key Components

Unprotected Edge or Leading Edge - 30 ft. Max.



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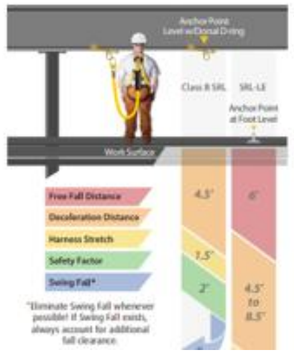
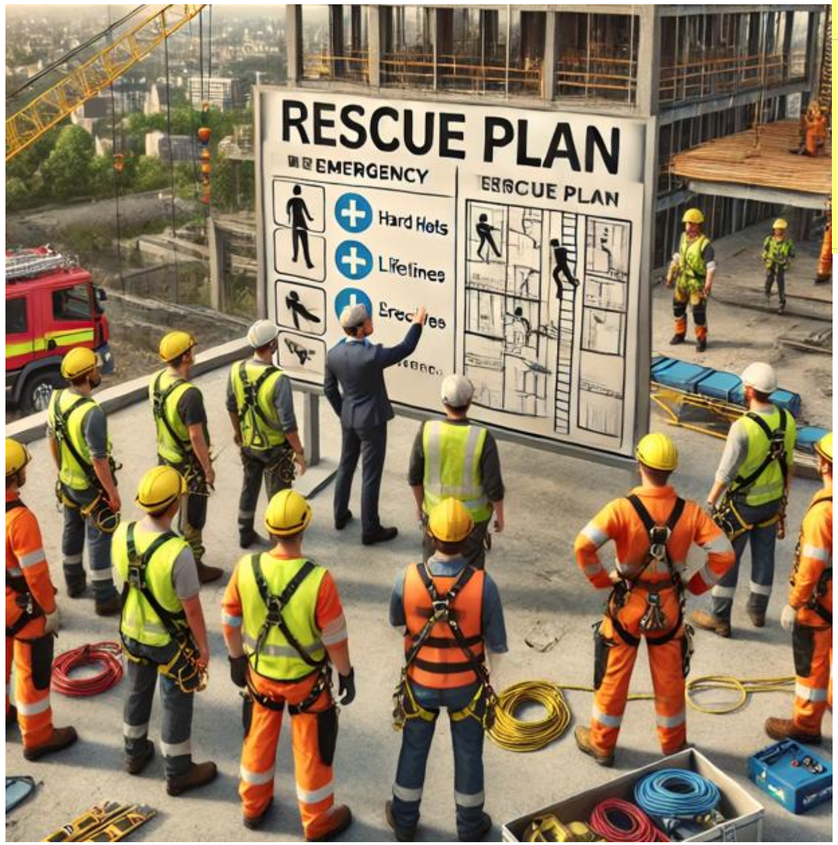
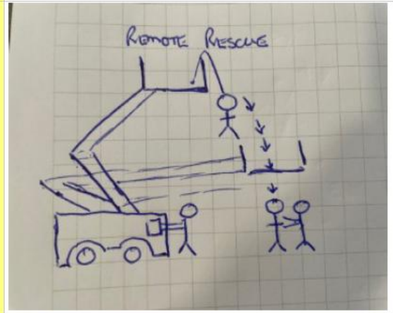
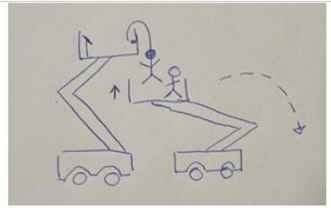




Emergency Response Procedure		Comments
REMAIN CALM. Notify Emergency Contact		Note :- Emergency will be called and the team may implement alternative rescue options in accordance with Client & Local Emergency Departments. Please detail these actions below and follow directions accordingly.
Examine the situation closely and identify any further hazards that could arise. Isolate the area. Undertake Medical Assessment		
If the path to the work area below is clear from obstruction and it is safe to do so use the remote controls on the work platform to lower the basket and the injured worker to the ground. If the fallen worker is injured ensure that another employee is available to assist.		
When using the remotes is not possible or unsafe bring another AWP to the incident site and position the AWP so that it can reach the fallen worker.		

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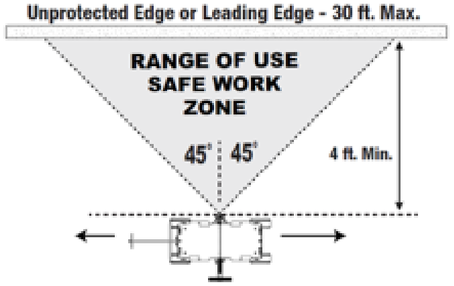

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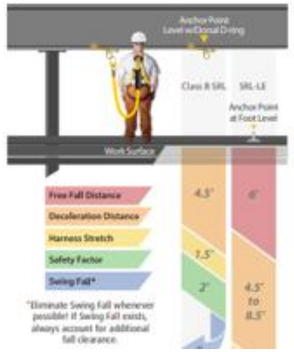

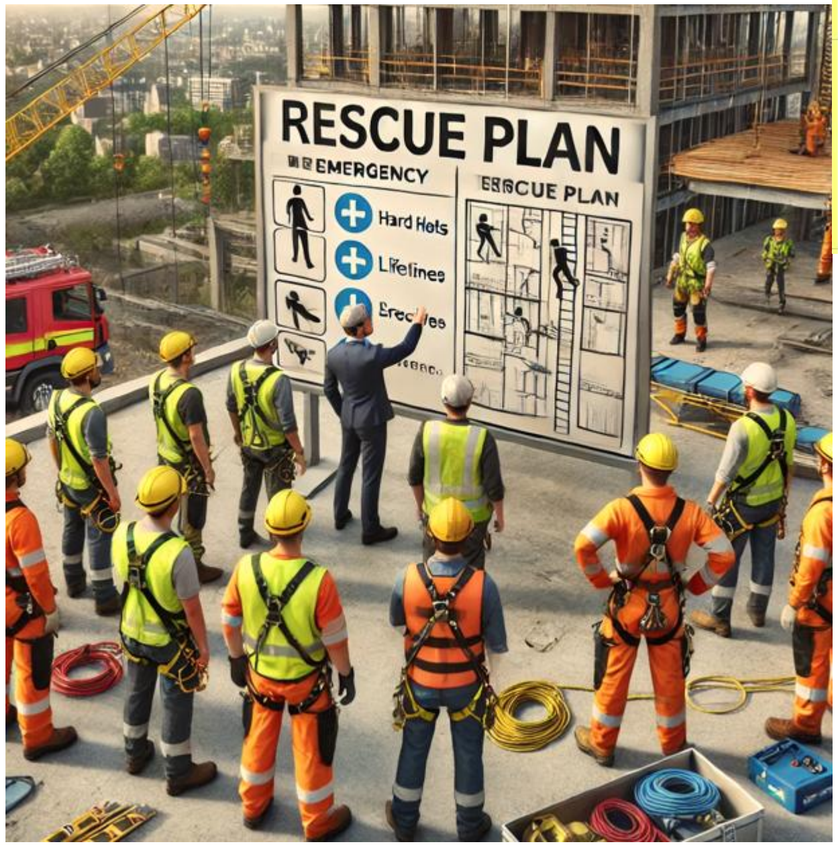

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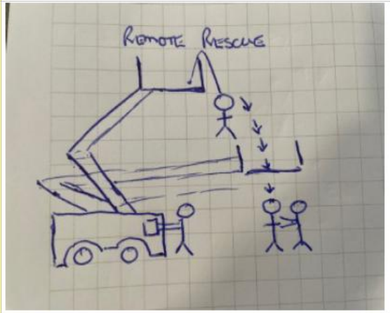
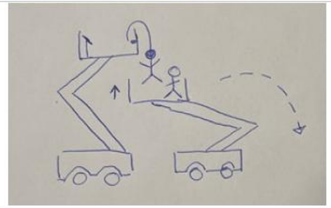
If the path to the work area below is clear from obstruction and it is safe to do so use the remote controls on the work platform to lower the basket and the injured worker to the ground. If the fallen worker is injured ensure that another employee is available to assist.		
When using the remotes is not possible or unsafe bring another AWP to the incident site and position the AWP so that it can reach the fallen worker.		

NILES - CTH - Work Safety Observation

Work Safety Observation (Check That Observed) *

Pick one area from the DropDown List to Observe or Interact

Emergency Protocols

Emergency Protocols *

This is a good one for personnel interaction with the crew.

- Can the workers direct you to the Eye Wash Station, Safety Shower, Take Shelter Locations and Evacuation Route.
- Can they tell you the emergency signals / tones
- Can the tell you the emergency number to phone in case of an emergency.
- Do they know and understand the emergency / rescue plan
- Ask them if they have reviewed the daily engagement today.
- What should they do if they recognize a new hazard for the first time.

Select

Stop When Unsure – Key Components

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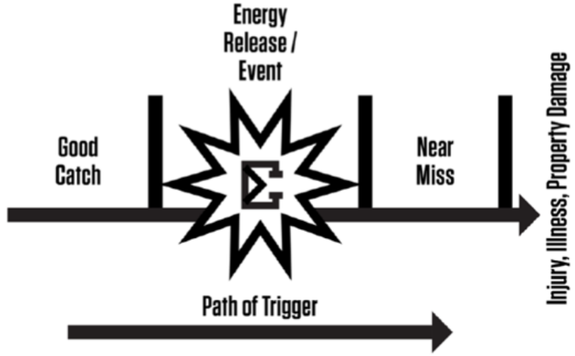

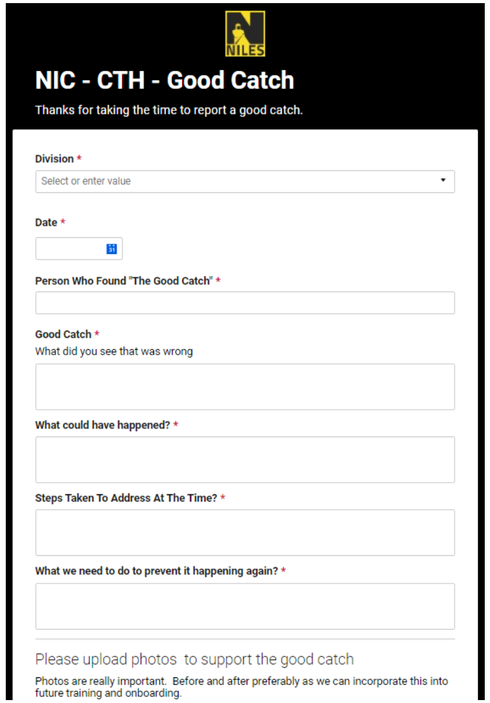

Safety Culture In Action

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CARE. TRUST. HELP.

Don't start any work or behavior you deem unsafe to yourself or your team.

DON'T START WORK AUTHORITY

*You will **never** be penalized for delaying the start of work in unsafe conditions and speaking up about hazards and injuries.*

SAFETY BEFORE FIRST

Stop Work Authority

Stop any work or behavior you deem unsafe to yourself or your coworkers.

STOP

*You will **never** be penalized for stopping unsafe work or speaking up about hazards and injuries.*

Questions ?

James Hall
Director of Safety
jameshall@nilesindustrial.com
(810) 691-1956

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