

Basic Fundamentals

- Safety
- Quality
- Productivity
- Housekeeping
- Preventive Maintenance



George Driver (843) 200-1675

“It is not always what we know or analyzed before we make a decision that makes it a great decision. It’s what we do after we make the decision to implement and execute it that makes it a great decision.”

William Pollard



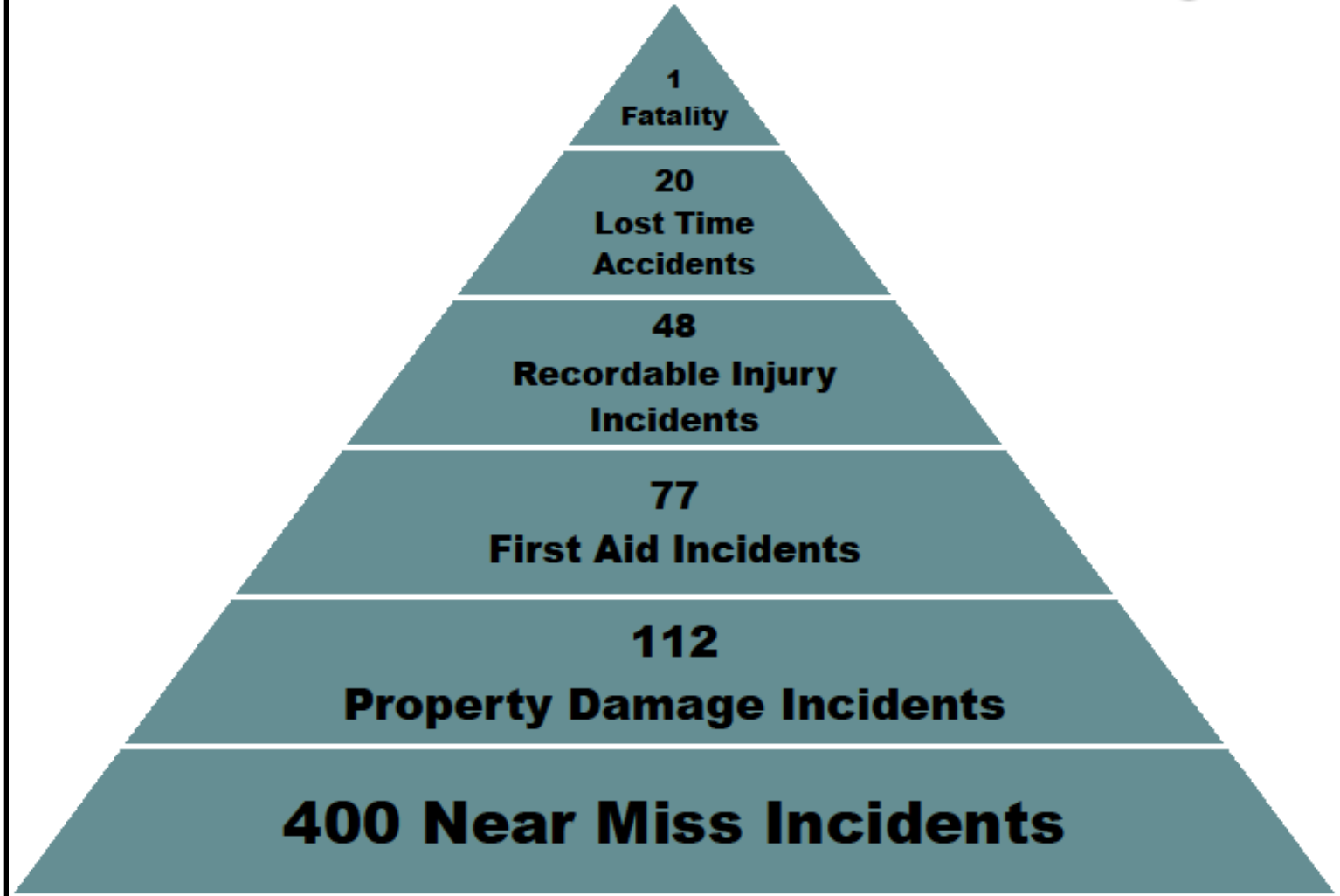
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Understanding Near Miss



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Work From the Base of the Triangle





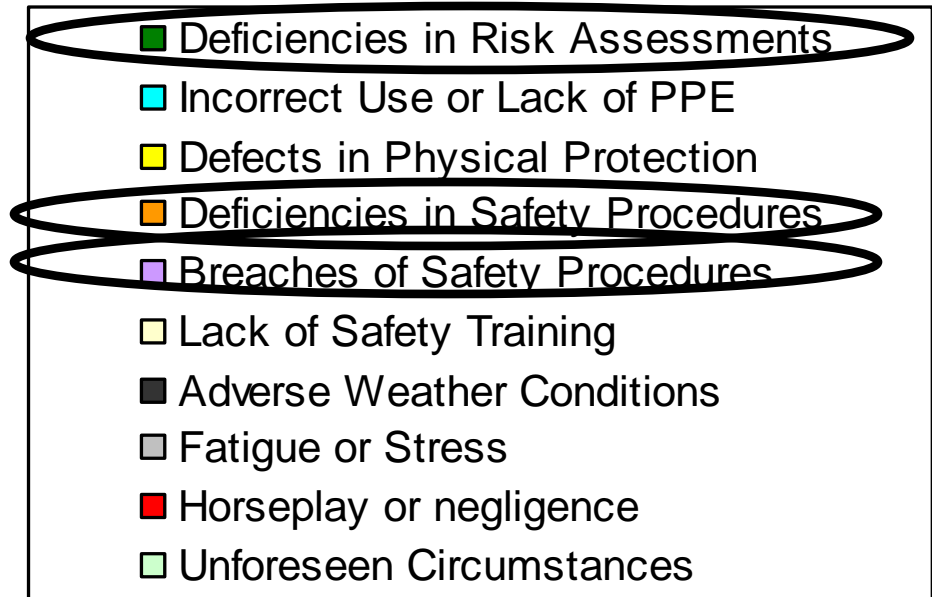
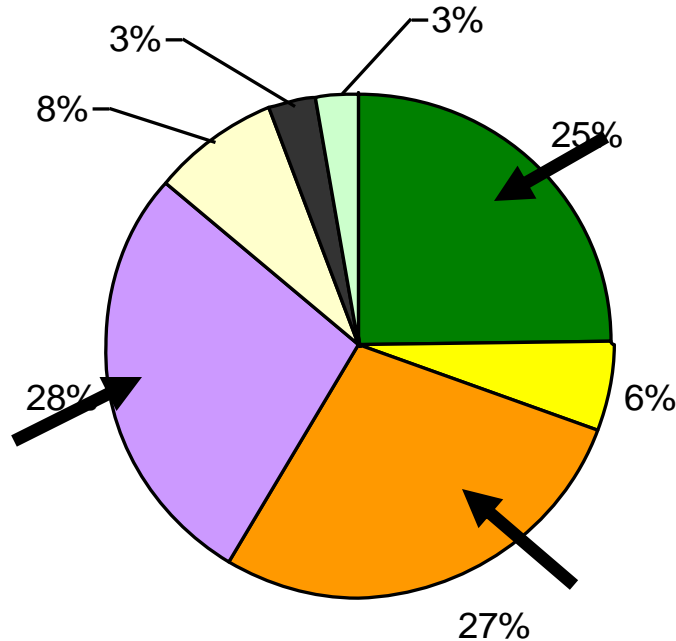
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Accident Analysis

Areas of Concern



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- **Nearly 90% of all serious injuries / fatalities due to 3 common themes:**
 - **Deficiencies in Risk Assessments**
 - **Deficiencies in Safety Procedures**
 - **Momentary Breaches of Safety Procedures**
- **Often done in the best interests of meeting operational efficiency!**



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Known accident areas



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- **Four main areas:**

- **Mobile Equipment**
- **Falls from Heights**
- **LOTO Violation and/or Poor Guarding**
- **Maintenance Related Work**



Again...

Often done in the best interests of operational efficiency!



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Accident Statistics



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Incidents & Injuries

(Only represent the tip of the iceberg)



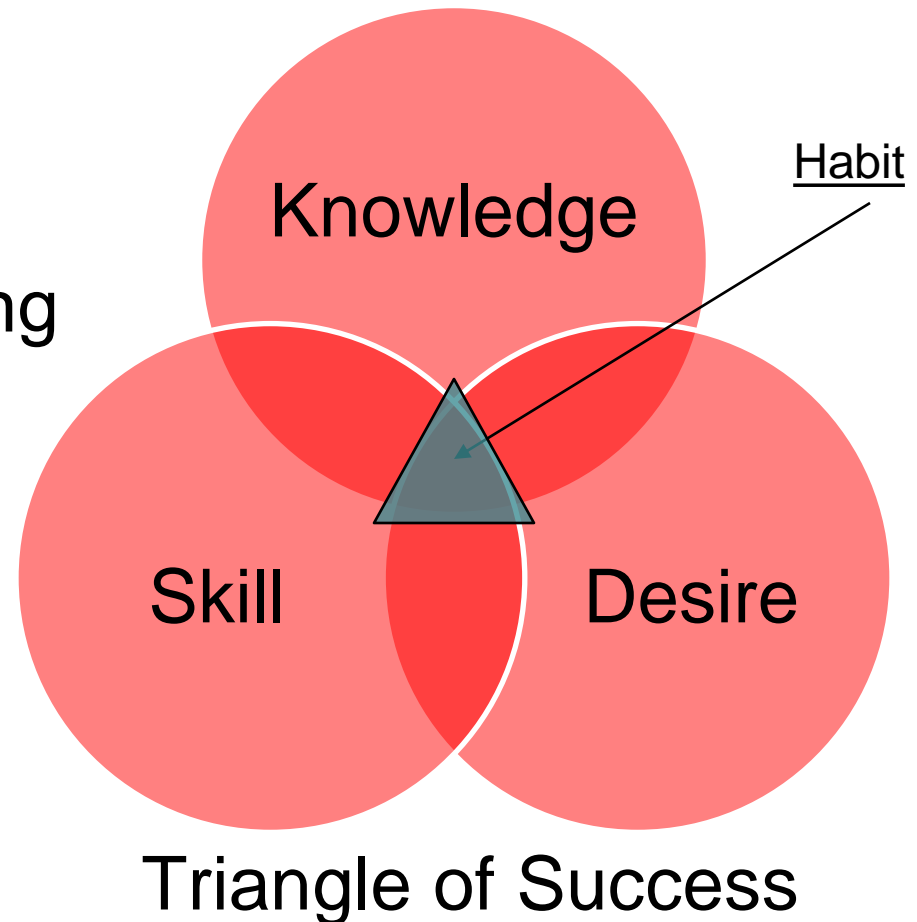
Property Damages

Near Misses

Unsafe & At Risk
“Behaviors & Acts”

is when ALL employees work safely...

- everyday
- every new task
- while no one's looking
- do so habitually



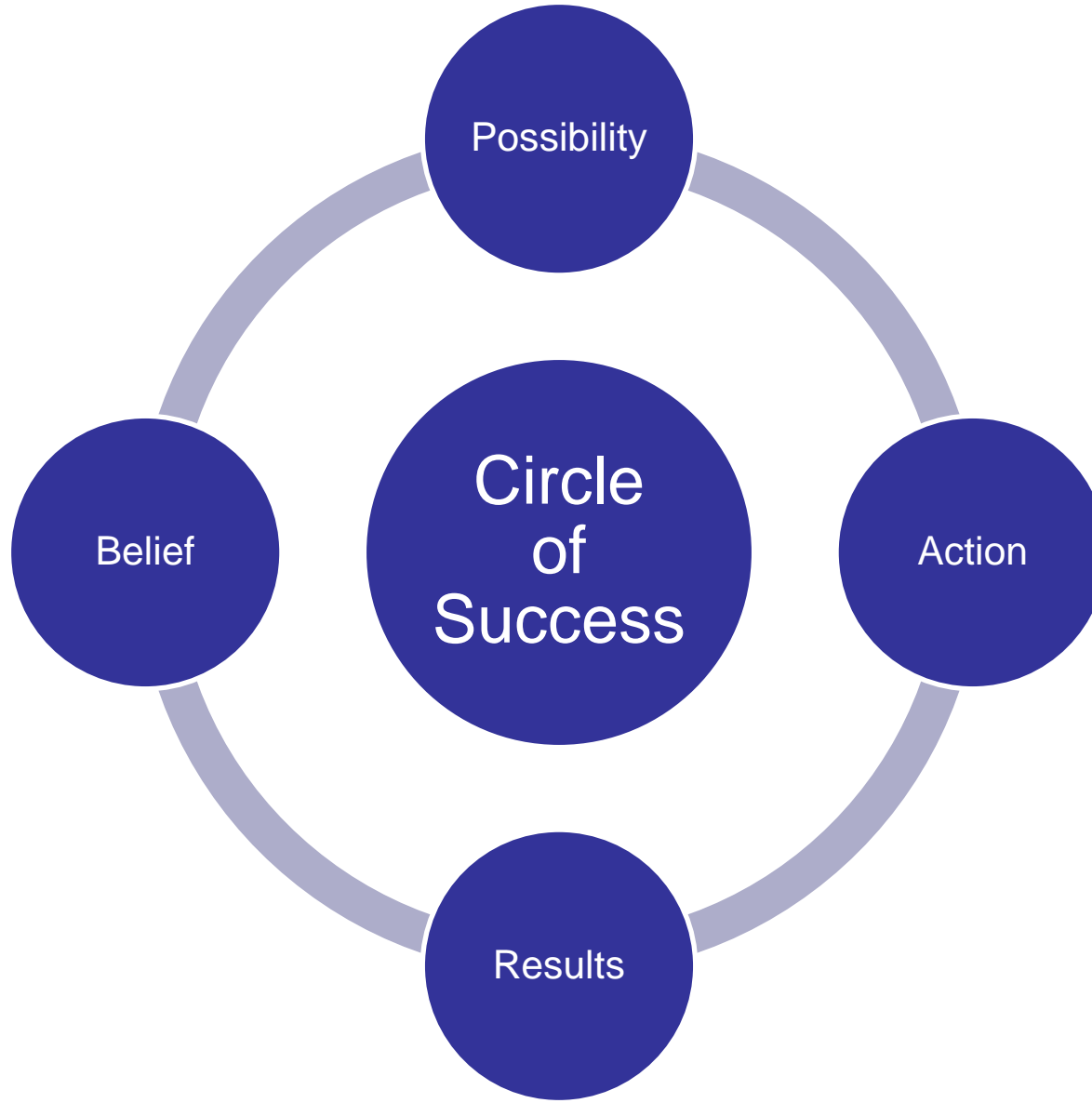


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Leadership Success



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Exceptional Leader's Traits



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1. Courage
 - Dare to be a little different, to be up front, to be the best; to make the tough decisions
2. Commitment
 - Passionate about achieving their goals, willing to pay the up-front price for success; disciplined
3. Character
 - Have a strong moral and ethical compass
4. Compassion
 - Truly care about the success/well-being of others
5. Competence
 - Know their business at a gut level
6. Confidence
 - Have a deep belief that they can weather any storm

RISK is:

- Inherent - will always exist to some degree
- Definable - in terms of Frequency, Likelihood, & Severity
- Quantifiable - within a group context
- Subject to Change - when equipment / processes / procedures, and behaviors change

- The risks are known, but ignored...
 - Titanic- “sailed untested ship through ice field at nearly full speed on a moonless night, in the hope of setting a record”²
 - Challenger- “Ever image conscious, NASA brass pushed to launch despite engineers ‘rubber seals in cold weather’ concerns”²
- Risk Assessment stops...
 - Three Mile Island- no US nuclear plant experienced a serious accident in 25 years²
 - BP Macondo Well 4/2010- the deep water rig had produced several years, advancing the technology the entire time. ‘When you think you have a robust system, you tend to relax’.”²
- Action (reaction) only “after” a serious incident or fatality



What are Risks & Hazards?



- Contact with:
 - (Object / Equipment)
 - (Harmful Substance / Chemicals / Debris / Dust and Extreme Temperatures)
- Body Motion
- Caught in / under / between (crush)
- Bites / Stings
- Fatigue
- Electrocution
- Slip
- Trip
- Fall from:
 - (height)
 - (same level)
 - (lower level)
 - (onto)
- Struck from:
 - (above)
 - (side)
 - (behind)
- Loud Noises

Training and Practice in Risk Identification is Essential
(OBSERVATIONS/JHA's/JSA's/TRACK/R³)



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See the Risk?



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Risk Assessment – Why?



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To prevent fatalities and injuries by identifying hazards and reducing the risk of injury from those hazards to as low a level as is reasonably practicable.





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Best Safety Managed Companies....



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- Safety is **the #1** corporate value
- **Safety is employee driven**
 - Risk assessment and systems analysis is a **continuous process** with **employees** (subject matter experts) and **managers** involved
 - **New and planned** activities receive **rigorous risk assessment/ systems analysis** to bring residual risk as low as possible
 - All new **processes, equipment, tools** are evaluated and **approved for safety by employees who run or use it**



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Fundamental Question



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- Doesn't it make sense that those closest (most exposed) to the risk have the most to say as to how it gets fixed?
 - Subject matter experts
 - Most Ee's want to do their jobs well, please their boss
 - All Ee's look to make their jobs better (easier)
 - Average Ee is “not connected” to the EHS process



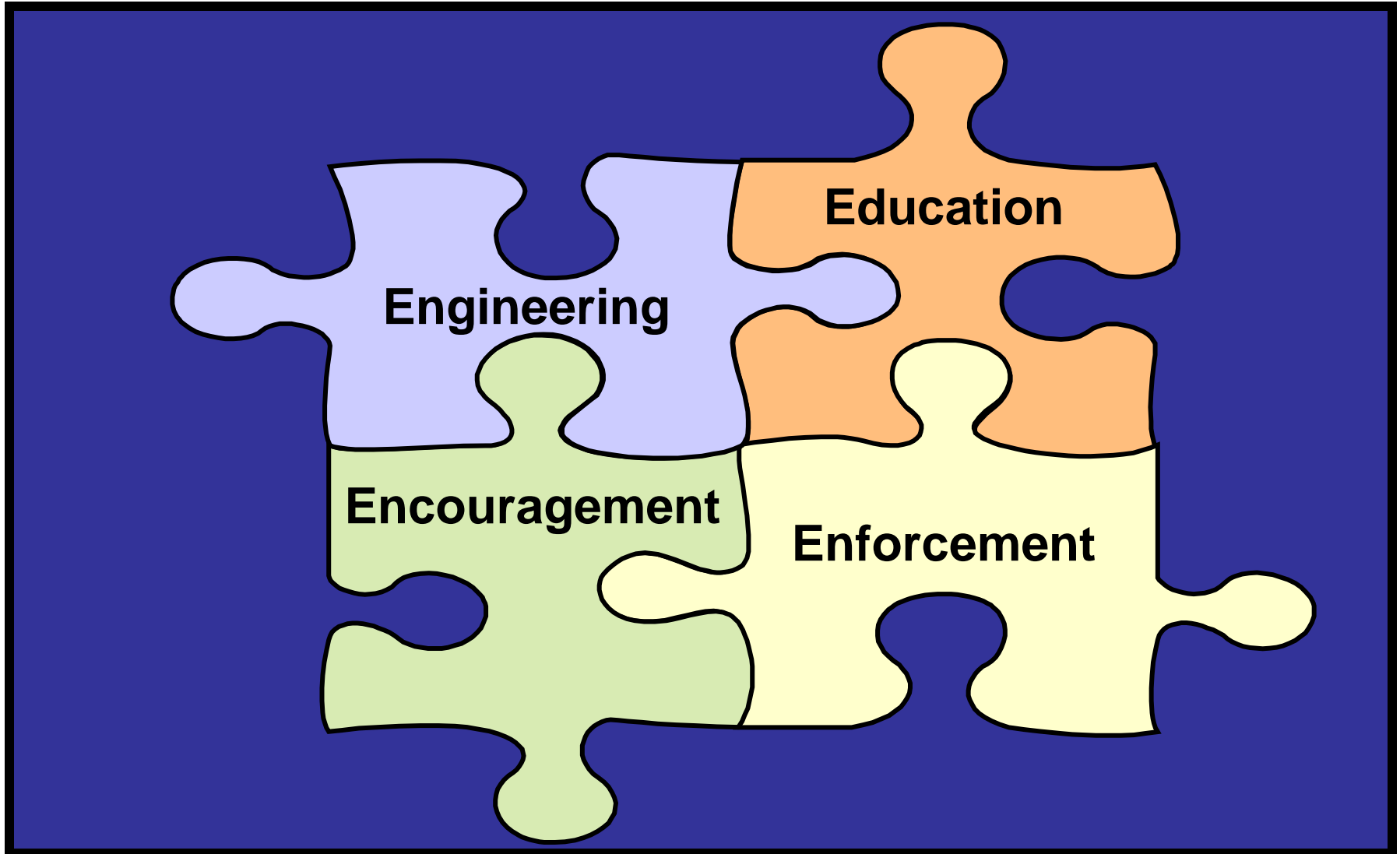
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Safety Strategy

(as an advantage point)



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Integrated Behavior Solutions



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Consider the following as an example:

- Use a telescoping boom lift rather than a front end loader bucket to reduce fall hazards while repairing head pulley on a 40' conveyor (**engineering**)
- Provide training on telescoping boom lift safety (**education**)
- Monitor the *use* of the boom lift and give them feedback to ensure it is being correctly and consistently used (**managed consequence**)
 - **Focusing on critical behaviors**
 - **Critical behaviors stated objectively as expectations**



Guarding Efforts - Engineering

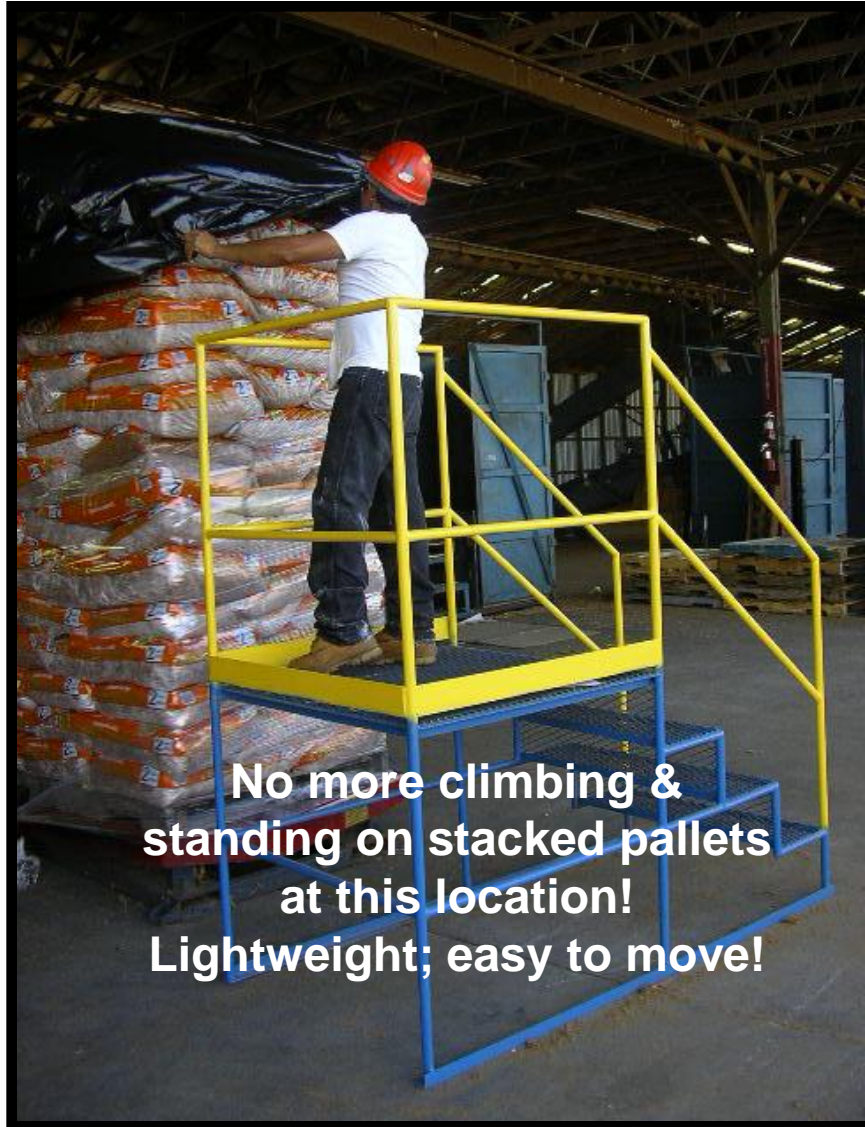


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Fall Protection - Engineering



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No more climbing & standing on stacked pallets at this location! Lightweight; easy to move!



No more climbing!!! Grease line extensions added to facilitate bearing lubrication from ground level



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Engineering



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Idiot-proof guarding!



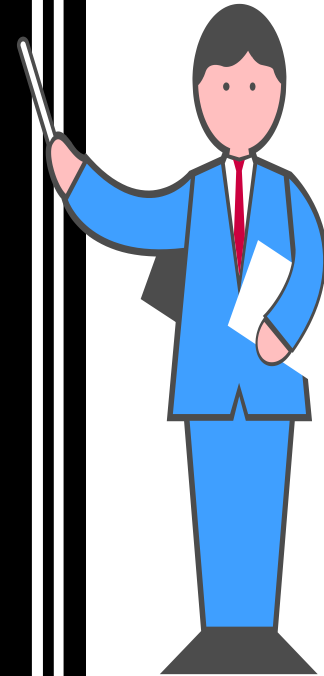
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Education



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- ✓ **New employee orientation**
- ✓ **Mentoring**
- ✓ **Front-line managers (off site training)**
- ✓ **Safety is a part of the skill (for growth)**
- ✓ **Learn by doing (OJT)**
- ✓ **Classroom instruction – weekly**





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20+ Instructors trained, equipped to be Trainers



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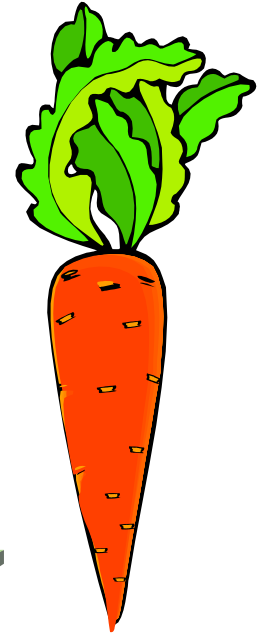
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Encouragement



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- ✓ Celebrate success!
(Major milestones)
- ✓ Motivate for safe behavior!
(what gets rewarded, gets repeated)
- ✓ Get all employees to want zero accidents!





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Enforcement



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- Documented Disciplinary Action Policy & Procedures
 - Progressive (1, 2, 3 - strike your out)
 - Verbal / written warnings, days off w/o pay, termination
 - Trained / known / posted
 - Prominently Displayed – for all to see – all the time
 - Included in new hire training orientation
- Front-line enforcement
 - Must be fair, balanced, unbiased
- PM/GM accountability
 - Consistent, designed for growth

Celebrate success,
because success
breeds success!

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SHADY DALE, GA.
HAS WORKED 1000 DAYS
WITHOUT A RECORDABLE ACCIDENT!

Thank You
FOR STAYING SAFE!
AUTHORIZED PERSONNEL ONLY
HARD HATS - STEEL TOES - SAFETY GLASSES



2008/11/



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George Driver (843) 200-1675

Thanks for listening!

Questions?