

Safety
VS
Production

Group 1

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Introduction

Safety

- History
- Accident prevention
- OSHA
- Different types of OSHA

Production

- \$\$\$\$
- Common Ground

Maintenance



Roland Smith, a 57-year old grandfather, was crushed to death at a New Jersey Amazon warehouse in December, 2013.

Workplace Accidents

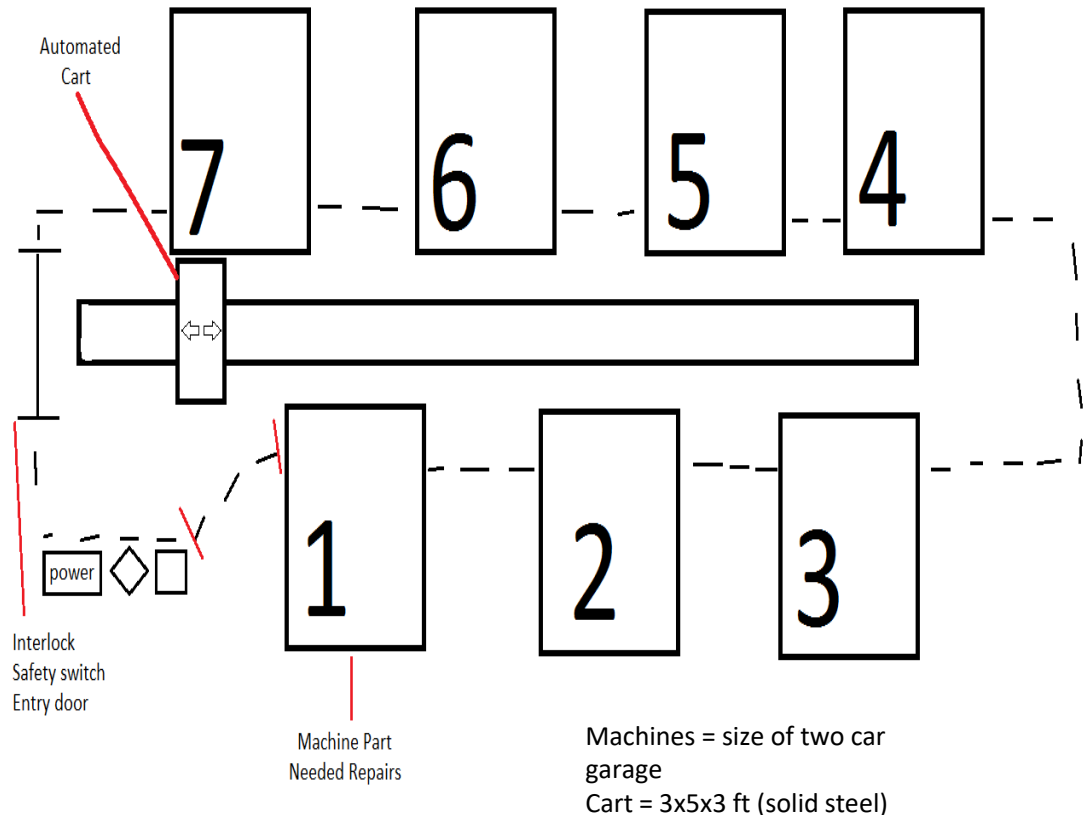
- Ronald smith crushed by equipment at new Amazon warehouse
- Contract worker for temporary firm called Abacus
- Warehouse operated for Amazon by third party logistics firm called Genco
- Larger companies like Amazon typically hire temporary employees in order to prevent the loss of valuable production time while they properly train permanent employees
- Case study proves that temporary workers are at a 50% higher risk of injury due to lack of proper training

Workplace Accidents

- Nearly 6,000 workplace fatalities annually
- Temporary workers make up 16% of workplace fatalities in the United States
- A majority of which are production driven
- Many companies promise full-time positions to temporary workers depending on their performance
- OSHA stepped in to work on better regulations for proper workplace training for temporary workers

Workplace Accidents

- 3rd shift maintenance team
- Heavy duty fencing removed to save production time
- Change out from 3rd to 1st shift
- 1st shift maintenance man told about repairs
- Unmanned machine center with fencing down
- Lockout tag out procedure not followed



Safety

- Industrial Revolution
- Companies were seeing increase in injuries
- Insurance companies laid the bricks for safety
- Founded in early 1900s
- Unions established standards; work conditions, benefits, right to know hazardous materials.

Department of Labor OSHA

- Work place safety
- 1910 General Deputy Clause
- 1926 Construction
- MSHA Mining
- Right to know

- OSHA has standards for all kinds of work conditions
- Companies are required to comply if more than 10 full time employees

Standards for:

- Ergonomics (everyday strain of repeated work, lifting, twisting, computer)
- 1910 (Manufacturing, loop hole if note covered, General Deputy Clause)
- 1926 construction standards and safety
- MSHA

How OSHA works?

- They can show up unannounced
- They have to identify themselves
- Walk through
- Audit: injuries, equipment, safety procedures
- Write citations and fines on the spot
- If violations are found, they will want to see and audit a company's safety procedures

- Shut companies down for repeat violations
- Independent insurances companies do safety audits just like OSHA
- OSHA only shows up unannounced if death or eyesight injuries

How many safety issues are in these pictures?



Production

- Where corporate America profits
- Based on hourly or piece rate
- Most work place injuries accrue
- Most common injuries are; cuts or pinch points

Common Ground

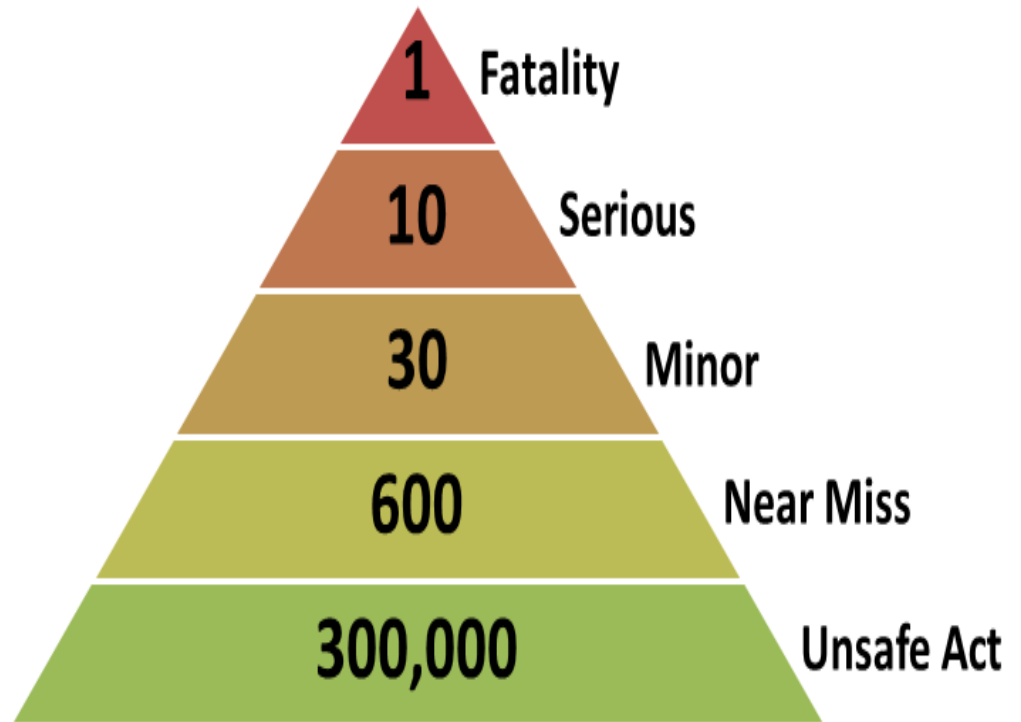
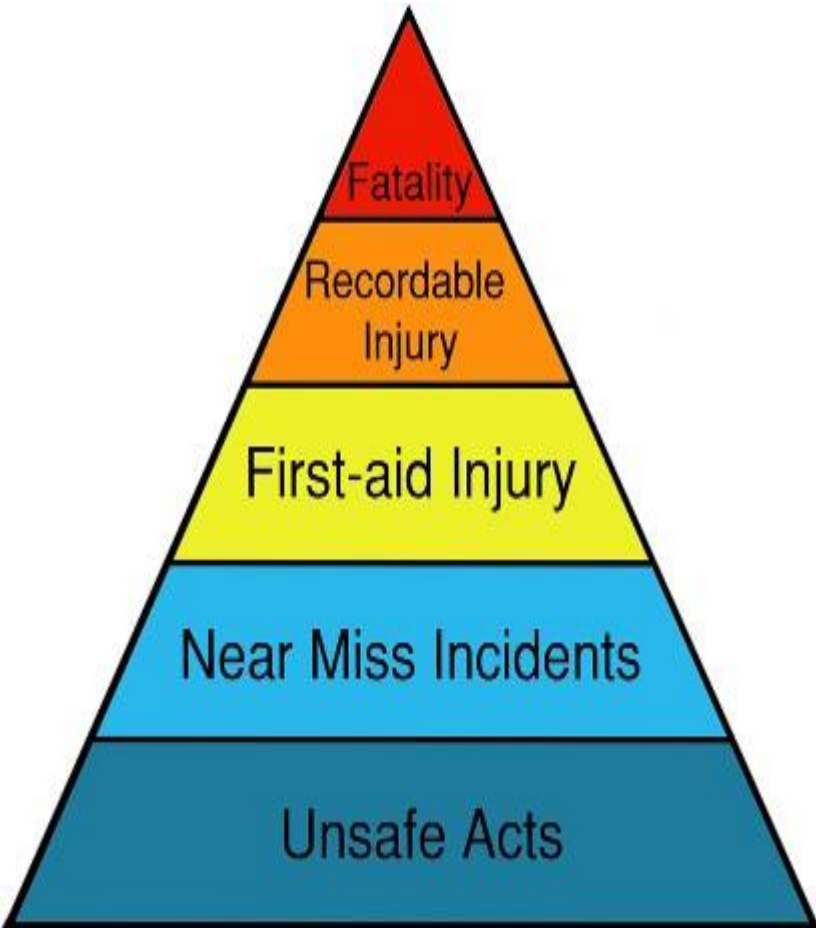
Safety

- Wants all PPE worn
- Each company sets their own safety standards
- Can not restrict production, for example guarding slow machine down but yet keep worker safe
- Broken down by department and year

Production

- Meetings before every shift for days goals
- Reports all injuries to safety
- A company that is strictly production driven will have more injuries
- Less injures equals; less down time, expense like medical bills, training replacement employ

Relationship between the two graphs



Working Together

- A company can't be strictly safety driven or production driven
- Safety shouldn't be so strict it slows production down
- Yet production shouldn't be able to run freely
- This could cause injuries to sky rocket

Maintenance is the married between Safety and Production

- Lockout tag out
- Repairs
- Light currents
- Burn permits
- Confined space permits

End Result

- Just like when the Industrial Revolution started, there will always be continuous safety issues as technology develops
- Safety and Production should meet a common ground
- At the end the day the employee wants to go home safe and employer wants to profit

References

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