



# CAPACITY TO FAIL SAFELY

Building Capacity to Manage Pressure  
Toolbox Talk



# BUILDING CAPACITY TO MANAGE PRESSURE

- » Pressure is a common hazard, but are we always setup for success in the management of pressure?
- » The Building Capacity to Manage Pressure program is an online course with three modules:
  - Incident Review (video re-creation)
  - Understanding Pressure
  - Understanding Human and Organizational Performance (HOP)
- » The goal of this program is to build capacity to manage pressure by exploring new ways of thinking about safety performance.



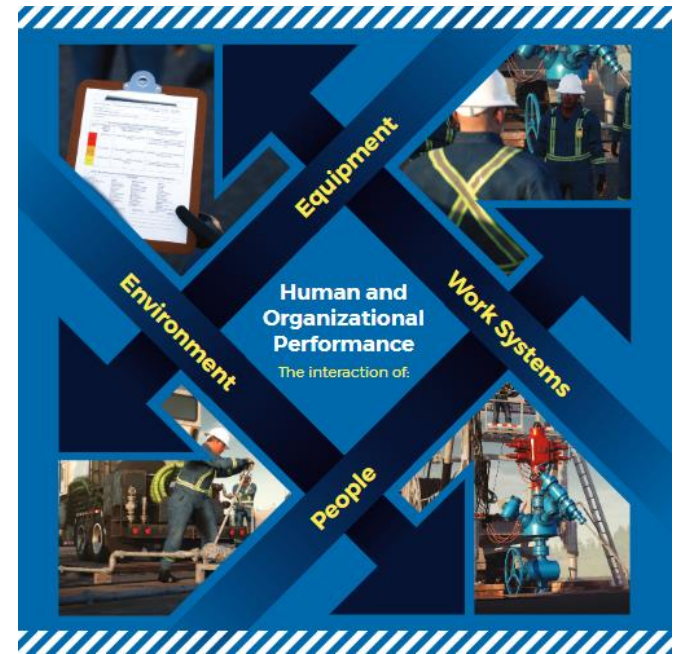
# TRADITIONAL APPROACHES VS HOP

- » Traditional approaches to safety often focus on preventing or minimizing human errors or mistakes:
  - Human Errors - defined as unintentional actions
  - Mistakes - defined as deliberate actions, but those taking the action do not intend a negative outcome
- » This approach has been effective in reducing incidents, but these benefits have been slowly declining over the years.
- » New philosophy is emerging in safety called Human and Organizational Performance (HOP).



# HUMAN AND ORGANIZATIONAL PERFORMANCE

- » HOP examines the interaction between:
  - People
  - Work systems
  - Equipment
  - Environment
- » HOP focuses on human and organizational weaknesses that lead to errors and mistakes.
- » HOP recognizes we cannot eliminate all errors or mistakes from a system that involves humans.



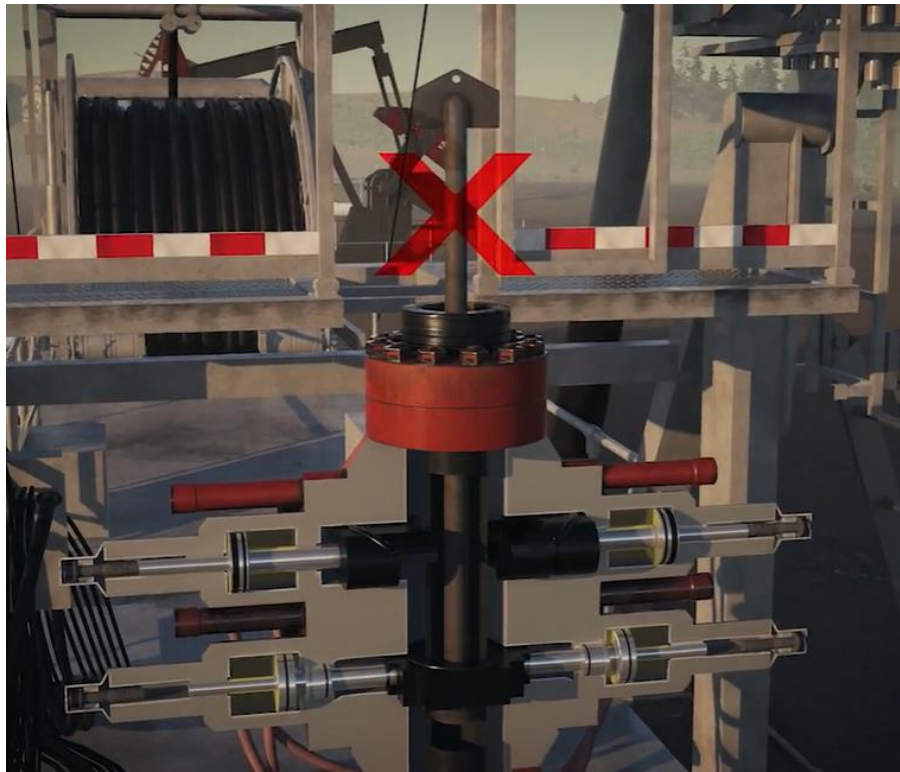
# CAPACITY

- » Therefore, HOP is not about the absence of incidents, but rather the presence of safeguards or safety controls that can prevent serious incidents, even when a person makes an error or mistake.
- » HOP asks, “What happens when someone makes an error or mistake?” and seeks to design safeguards for such situations.
- » This concept is known as “capacity”. A system of controls that has capacity means it allows/enables the worker to “fail safely” when an error or mistake is made.



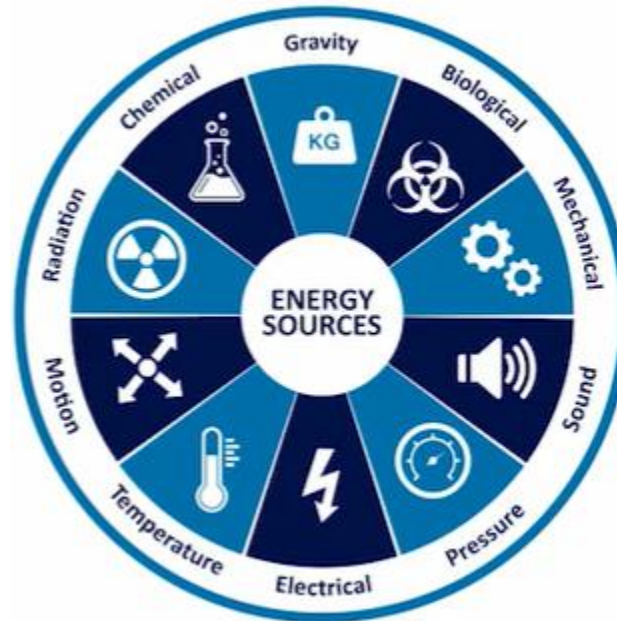
## INCIDENT REVIEW

- » In the re-creation video, the test bar lacked the capacity to fail safely because it was able to protrude from the blowout preventer (BOP).



# HAZARDOUS ENERGY

- » Where in your work is the hazardous energy located? Use the energy wheel to identify energy that could lead to a serious incident.



- » Are the controls enough to keep you safe if an error or mistake occurs?

# QUESTIONS AND RESOURCES

- » Identify situations without capacity in your work and bring them up for discussion and focused action in your company.
  
- » Resources:
  - [Building Capacity to Manage Pressure Program](#)
  - [Life Saving Rules](#)
  - [Potentially Serious Incidents Program](#)