

Doing Safety Differently and Building Capacity Together

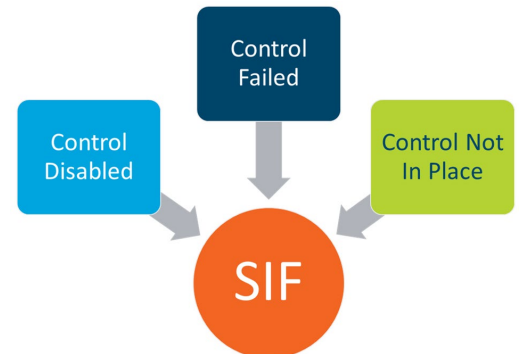


The 5 Principles of Human Performance

1. Error is normal. Even the best people make mistakes
2. Blame fixes nothing
3. Learning and Improving are vital. Learning is deliberate
4. Context influences behavior. Systems drive outcomes.
5. How you respond to failure matters. How leaders act and respond counts.

The 4 Principles of Safety Differently

1. Safety is not defined by the absence of accidents, but by the presence of capacity
2. Workers aren't the problem, workers are problem-solvers
3. We don't constrain workers in order to create safety, we ask workers what they need to do work safely, reliably, and productively
4. Safety doesn't prevent bad things from happening, safety ensures good things happen while workers do work in complex and adaptive environments



High-Energy Control Assessment (HECA)

FIGURE 1
HECA METRIC STRUCTURE

	Exposure	Success
HECA		
High-energy hazard?	✓ Yes	✓ Yes
Direct control?	✗ No	✓ Yes

Total Number of HECA Observations:

$$Total = Success + Exposure$$

$$HECA = \frac{Success}{Total}$$

Although the computation of HECA is simple, the challenge in applying HECA is a consistent application of definitions of a high-energy hazard and direct controls.

