What's lurking beneath YOUR waterline? Discovering your blind spots



NERC Human Performance Conference

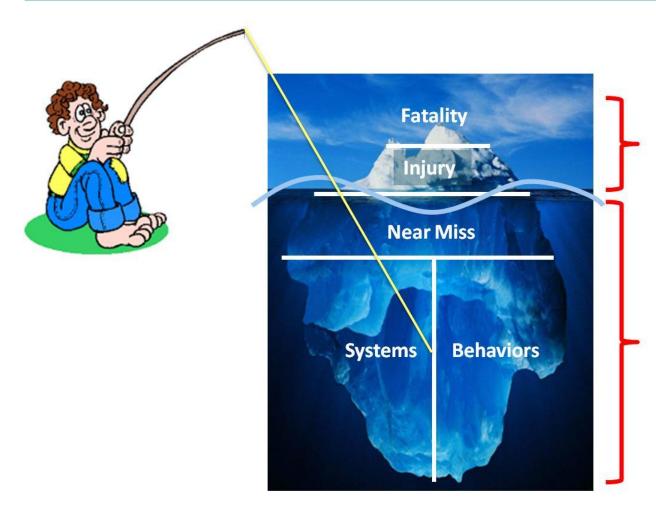
Monika Bay, BGE March 30, 2016

Includes ST-PRA methodology pioneered by Outcome Engenuity





It's what's beneath the water line that will bite you



What we can see...yesterday's events

What we can't see...tomorrow's events

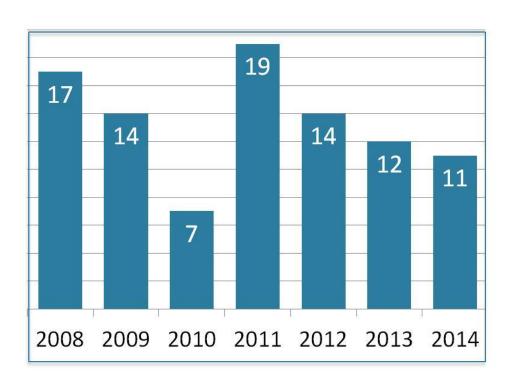


ST-PRA* risk modeling uncovers the real risk drivers

- Predicts how failures can occur
- Shows how systems and behaviors are interconnected
- Leverages field employee input
- Assigns probabilities so we can quantify the risk
- Points to the primary risk drivers
- Helps us evaluate what's changeable
- Helps us develop interventions that actually reduce the risk



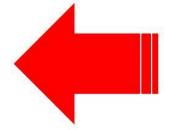
It works! Our first success story – backing collisions



13.4 = Historical avg

4.5 = Predicted

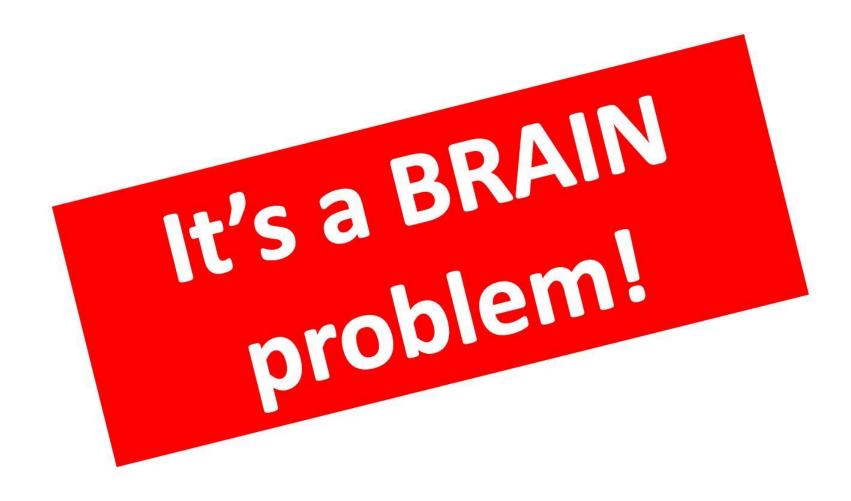
2 = Actual



86% reduction

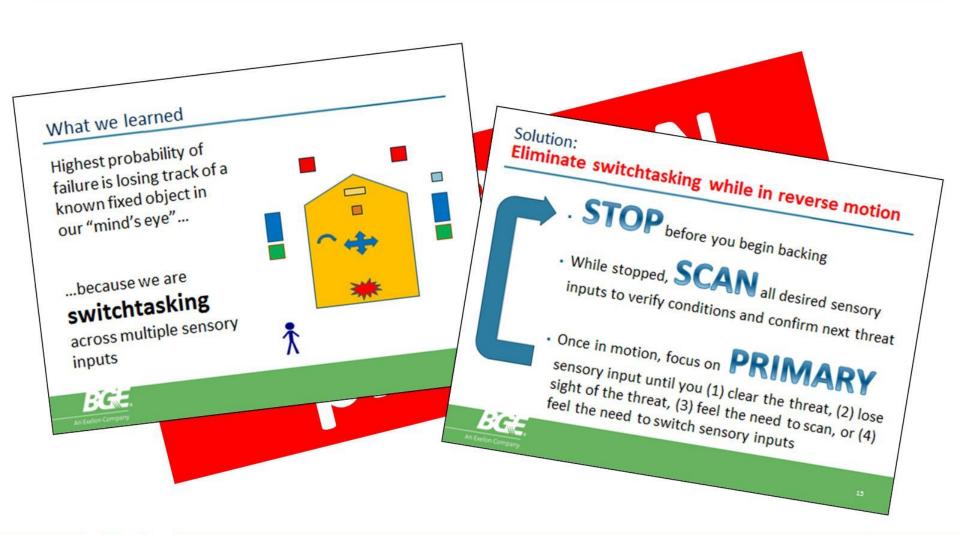


ST-PRA risk modeling revealed a human limitation



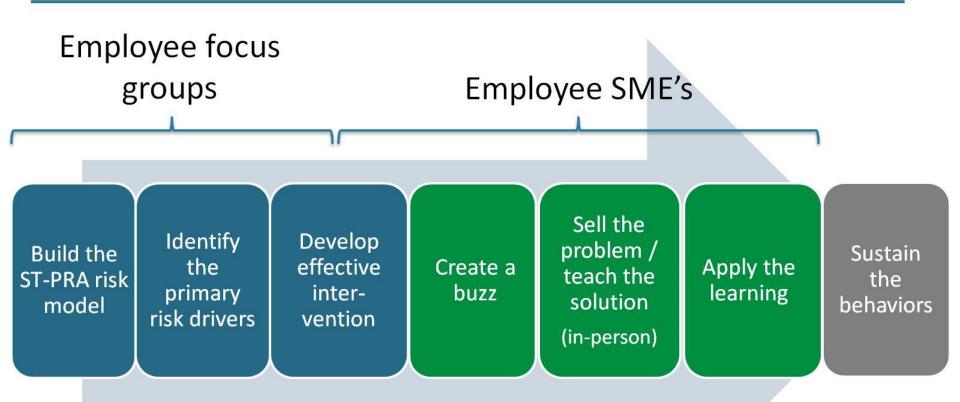


ST-PRA risk modeling revealed a human limitation



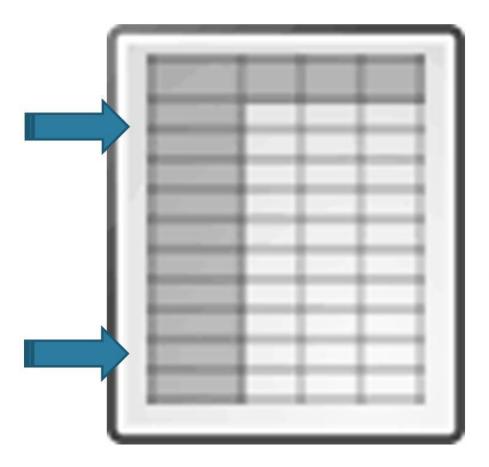


The 7 steps – Our blueprint for success





Our Safety Event Risk Inventory (SERI) guides the way



- Based on quantitative risk modeling (ST-PRA)
- Reflects prioritized view of risk
- The basis for making riskbased decisions
- Helps ensure prudent allocation of resources



It's the way our brain assesses and manages risk that makes us vulnerable!



What you don't see can kill you!

Reducing the risk of line-of-fire incidents

Our next breakthrough!



