





THREE ZONES OF FUNCTIONING

Stable Zone

No growth

Stagnant

Comfortable

Chaotic Zone

• Low productivity

• Constant crisis

• Haphazard

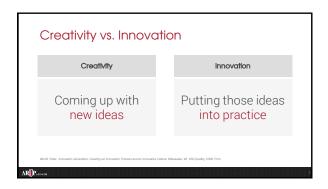
receive Zone

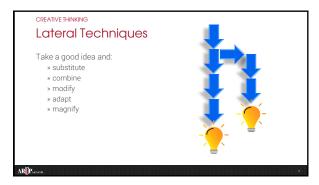
Creative Zone

Creative tension

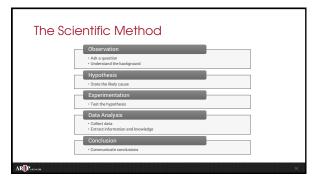
Innovative

In flux



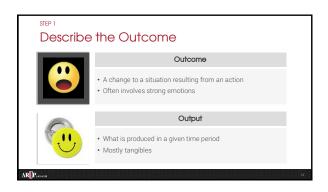




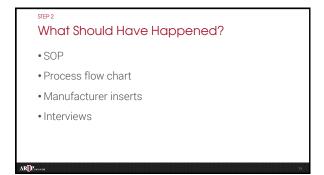


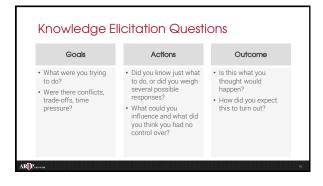




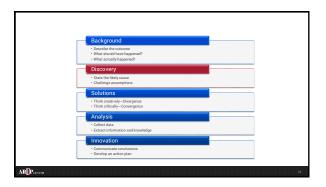


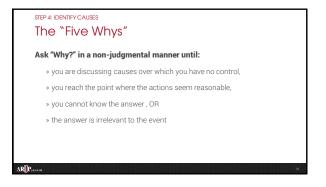


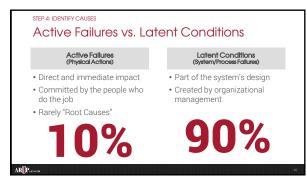












Understanding and correcting latent conditions ensures unexpected events do not recur.

Active failures are the result of actions that seemed reasonable at the time

Inaccurate perception of what is reasonable comes from latent conditions

Use active failures to chase down latent conditions.

Identify Any Contributing Factors

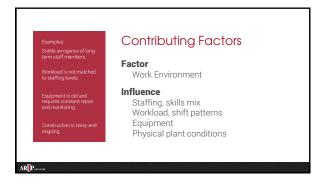
Institutional
Organization or Managerial
Environmental
Team Dynamics
Individual
Task-related
Customer-related

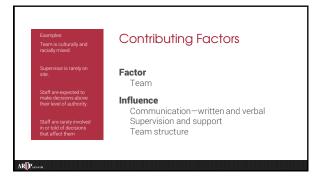
Examples:
Regulations are counterintuitive and difficult to apply
Due to global economic pressures, sitesis is high resources are low.

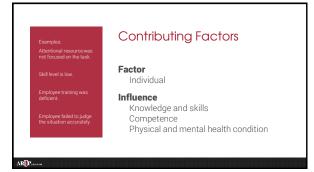
Regulations for each state are different and difficult to remember.

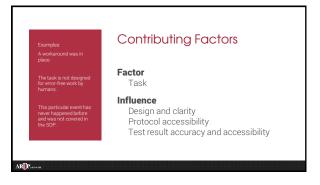
Factor
Institution
Influence
Economics
National healthcare climate
State regulators and regulations

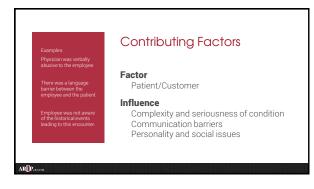


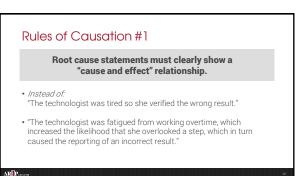












Rules of Causation #2

Negative descriptions should not be used in root cause statements.

- » Instead of:
- "The employees on this shift are lazy."
- » "Employees are expected to process between 10 and 15 samples per hour; during this period, the average number a samples processed for all employees on the shift was 7.5 samples per

Rules of Causation #3

Each human error must have a preceding cause.

- "The cause of this failure was human error."
- » The employee entered the wrong number
- Why? She was transcribing the results from a worklist and got off line
 Why? The patient name is on the left side of the page and the result on the right
- Why? The page has been adapted from another procedure, instead of designed for this one

Rules of Causation #4

Violations of procedure are not root causes; they must have a preceding cause.

- » Instead of:
- "This employee never follows procedures."
- » "The procedure is complex and the documentation difficult to follow; thus, employees often develop work-around practices."

Rules of Causation #5

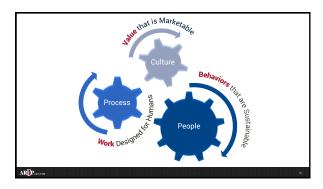
Failure to act is only causal when there is a preexisting duty to act.

- "Everyone knows that client concerns should be passed on to the supervisor, but this was not done."
- » "The employee did not notify the supervisor that the client had questioned the result. The procedure and the job description do not include this as a required step."

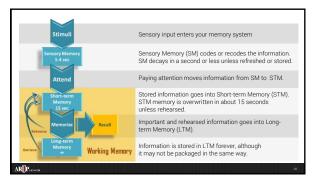
Rules of Causation #6

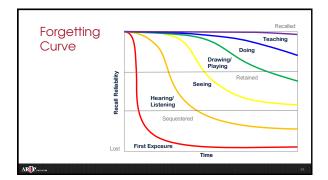
Solutions that have not yet been implemented are not causes.

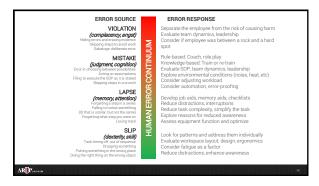
- » Instead of:
- There was no script available, so the employee misinformed the
- » "There is a great deal of information required when calls like this are received and the employee failed to mention one of the more important pieces of information. We will consider scripting for scenarios such as this one"



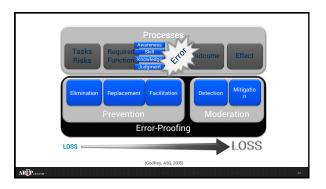




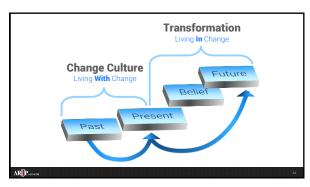




Process Design Every system is perfectly designed to achieve exactly the results it gets. -Paul Baralden







Challenge Assumptions "Your assumptions are your windows on the world. Scrub them off every once in a while, or the light won't come in." —Issac Asimov



Lateral Thinking Making the simple complicated is commonplace; making the complex simple, awesomely simple, that's creativity. --Charles Mingus

Lateral thinking techniques Generating Alternatives Suspending Judgment Fractionating Reversing Brainstorming and Stimulating Focusing and Polarizing Finding Connections

Imaginative Thinking

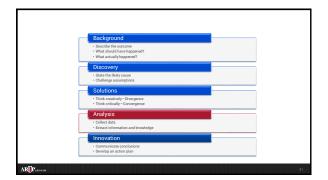
The intuitive mind is a sacred gift and the rational mind is a faithful servant. We have created a society that honors the servant and has forgotten the gift.

-Albert Einstein

R Protesta

Intuitive techniques

- Observing
- Analogizing
- Pattern Matching
- Imagining
- · Abstracting
- Chunking
- Body Thinking, Empathizing
- · Modeling, Playing
- Transforming
- Synthesizing



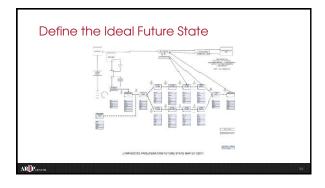
Find the problem
Curiosity, why?

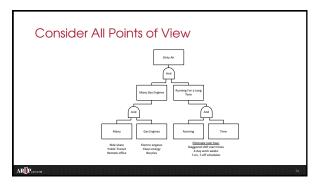
Generate ideas
Brainstorm and test

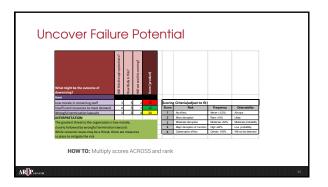
Judge
What kept it or will keep it from working?

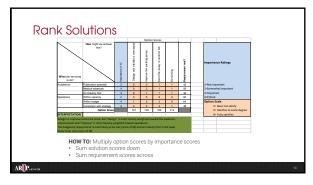
Regenerate
How about...?

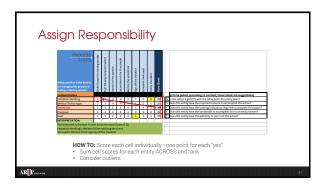
Implement
All systems go

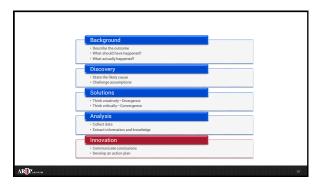












Pursuit of Order Fear of Failure Winning at all Cost Failure to Incubate Judging Instead of Generating

Blocks to Innovation

Pre-empt Your Competition

Use All Available Assets

Redefine Winning

Cooperate and Collaborate

Summary 1. Know what you know; know what you don't know 2. Determine causes and challenge assumptions 3. Think creatively, then think critically 4. Innovate 5. Act

