SAFESTART® FORUM

FOR HUMAN FACTORS PRACTITIONERS

2024

ORLANDO, FL

APRIL 23 & 24

How to to Improve Overall Safety With an HFR

Pete Batrowny

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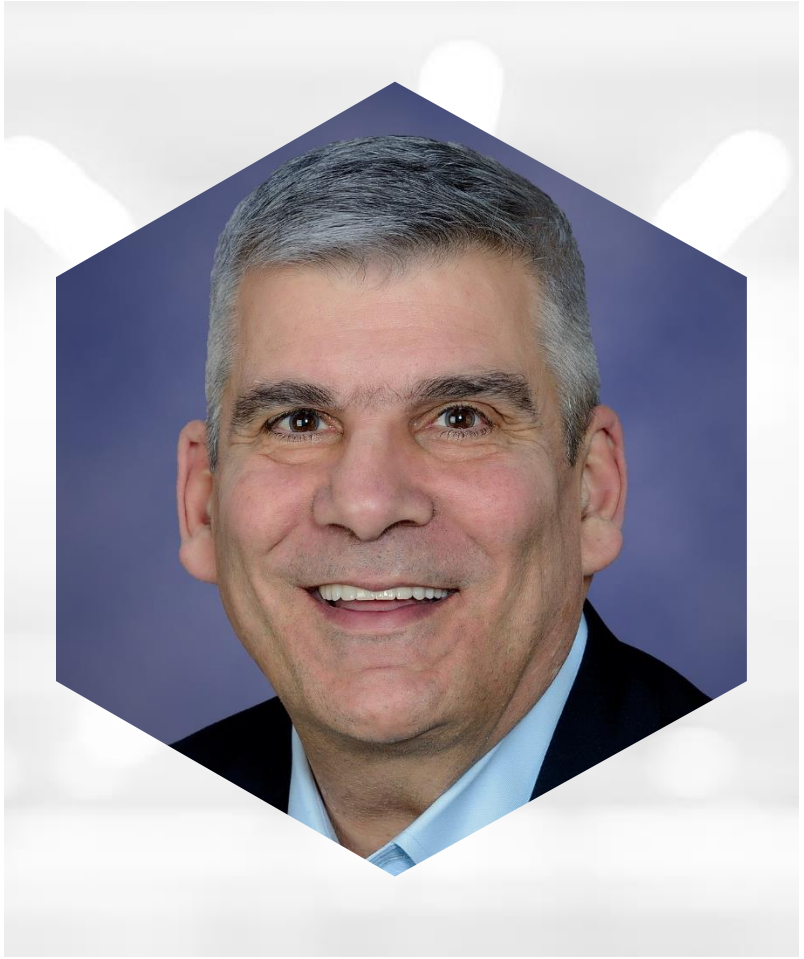
Senior Consultant – SafeStart
Independent Consultant / Advisor



- Lots of experiences
- Still learning

The Human Factors Framework

TECHNICAL SYSTEMS

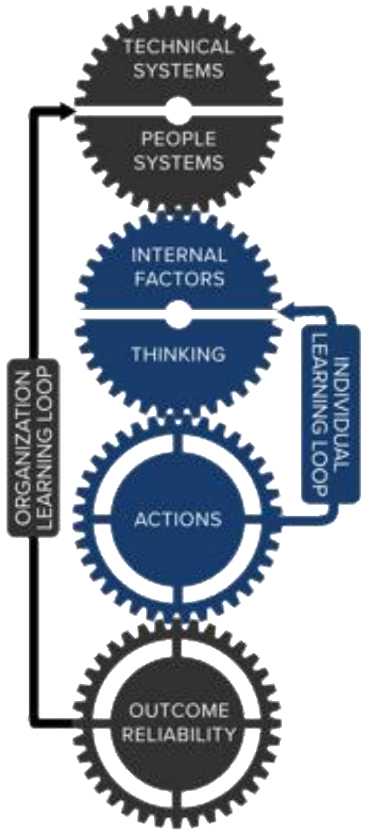
- engineering
- process
- equipment
- safety management system

PEOPLE SYSTEMS

- work team
- supervisory skills
- organizational culture

OUTCOME RELIABILITY

- health, safety, environment
- production
- quality
- organizational performance



INTERNAL FACTORS

- fatigue
- illness
- distraction
- overconfidence

THINKING

- decision-making
- autopilot
- attention
- habits

ACTIONS

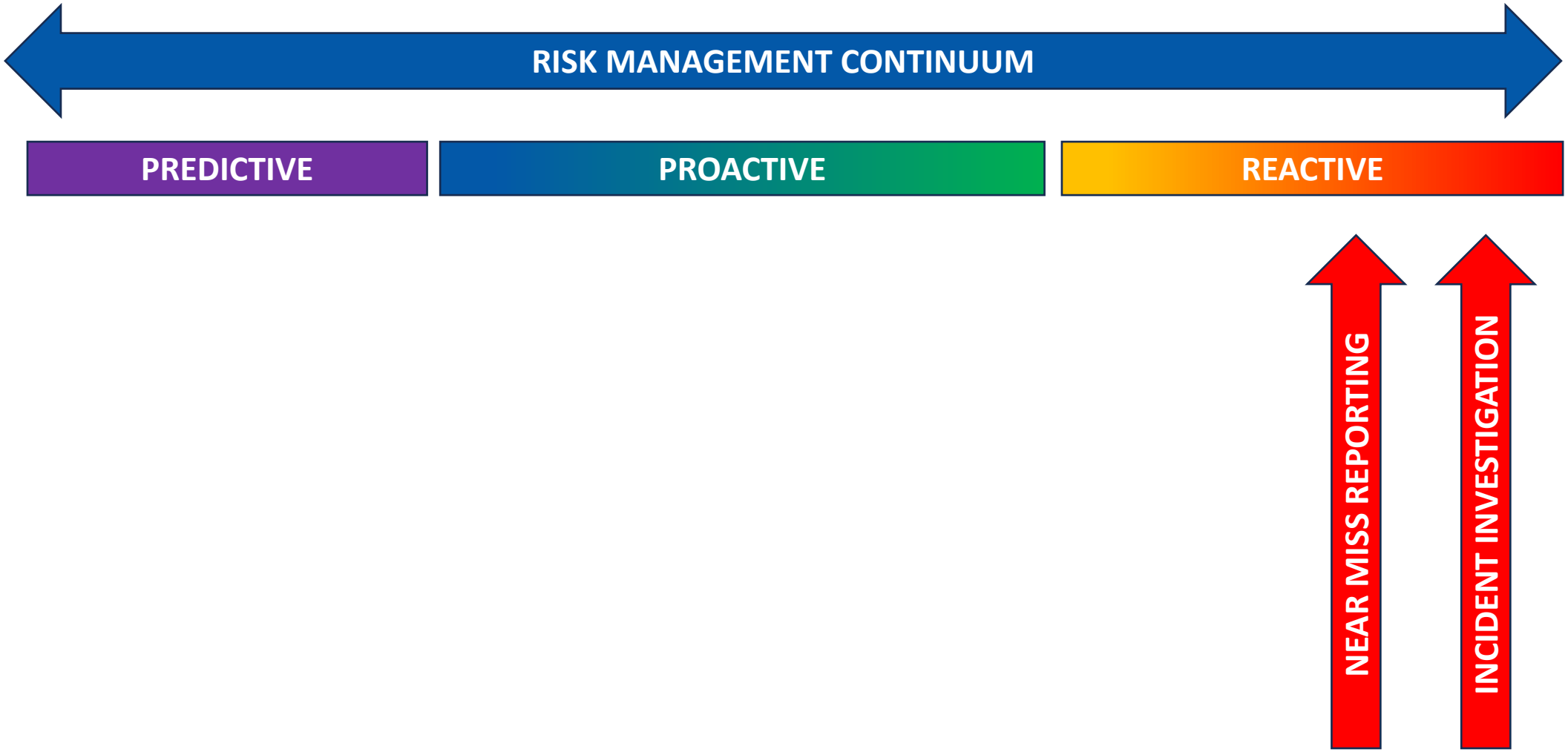
- behaviors
- accuracy/errors
- risk perception
- relying on memory

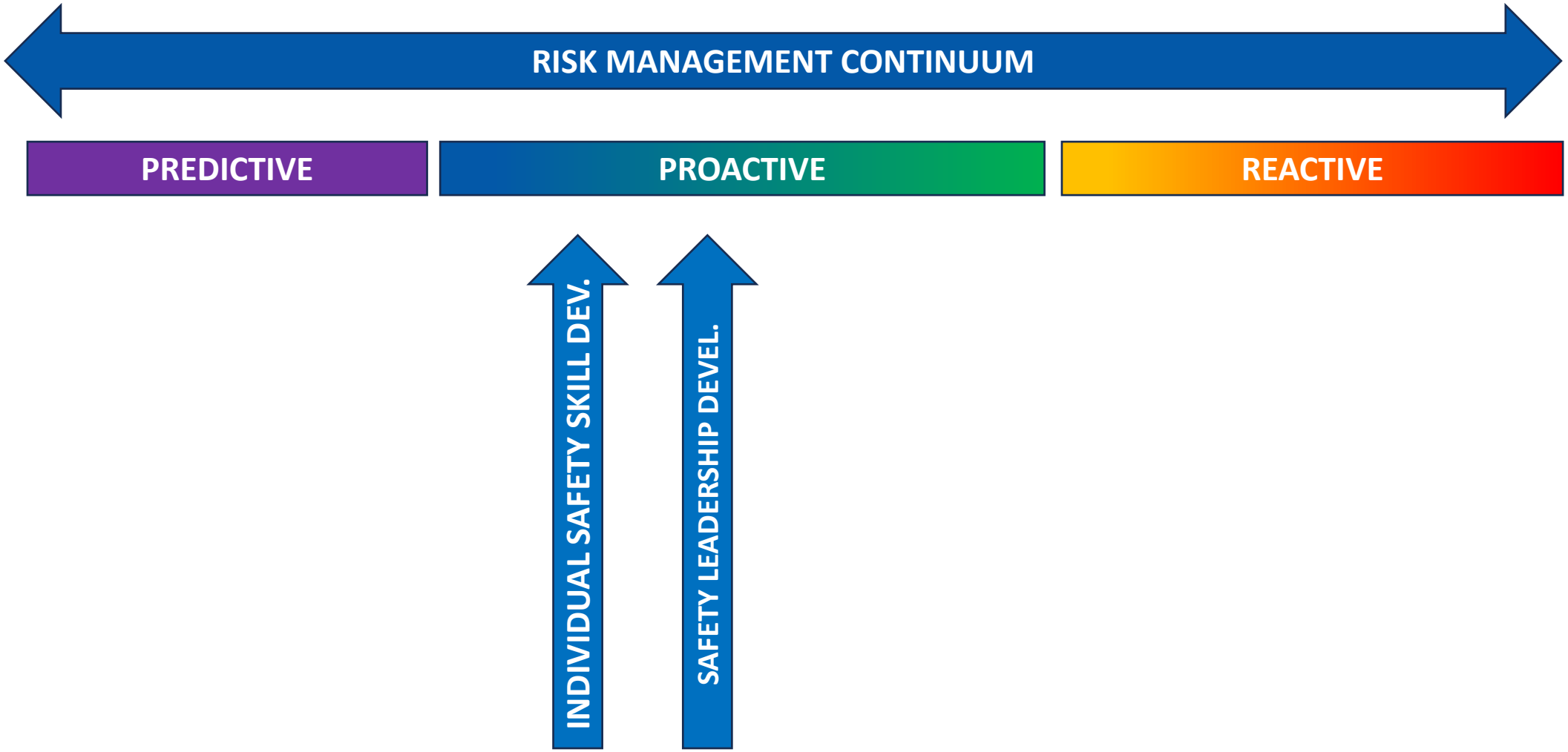
Leadership and Organization	Evidenced Practical Application in Safety
Leadership: People Systems	Leadership Commitment Vision/Policies/Principles Safety Climate and Culture Employee Engagement Communication
Linked Organizational People Systems	Performance Management Strategy/Goals/Objectives Organization/Structure
Supervisor and Front-Line People Systems	Internal Factors –Decision Making Supervisory Skills Training / Capacity Building / On-boarding Individual Performance Management
Programs and Processes	
Technical Systems	Audit Program Operating Procedures Metrics Analysis MoC Contractor Leadership And Management Incident Management Hazard / Risk Control Information Management HF in the SMS HF Leading Indicators HF in the Design of Safety Processes SIF Potential

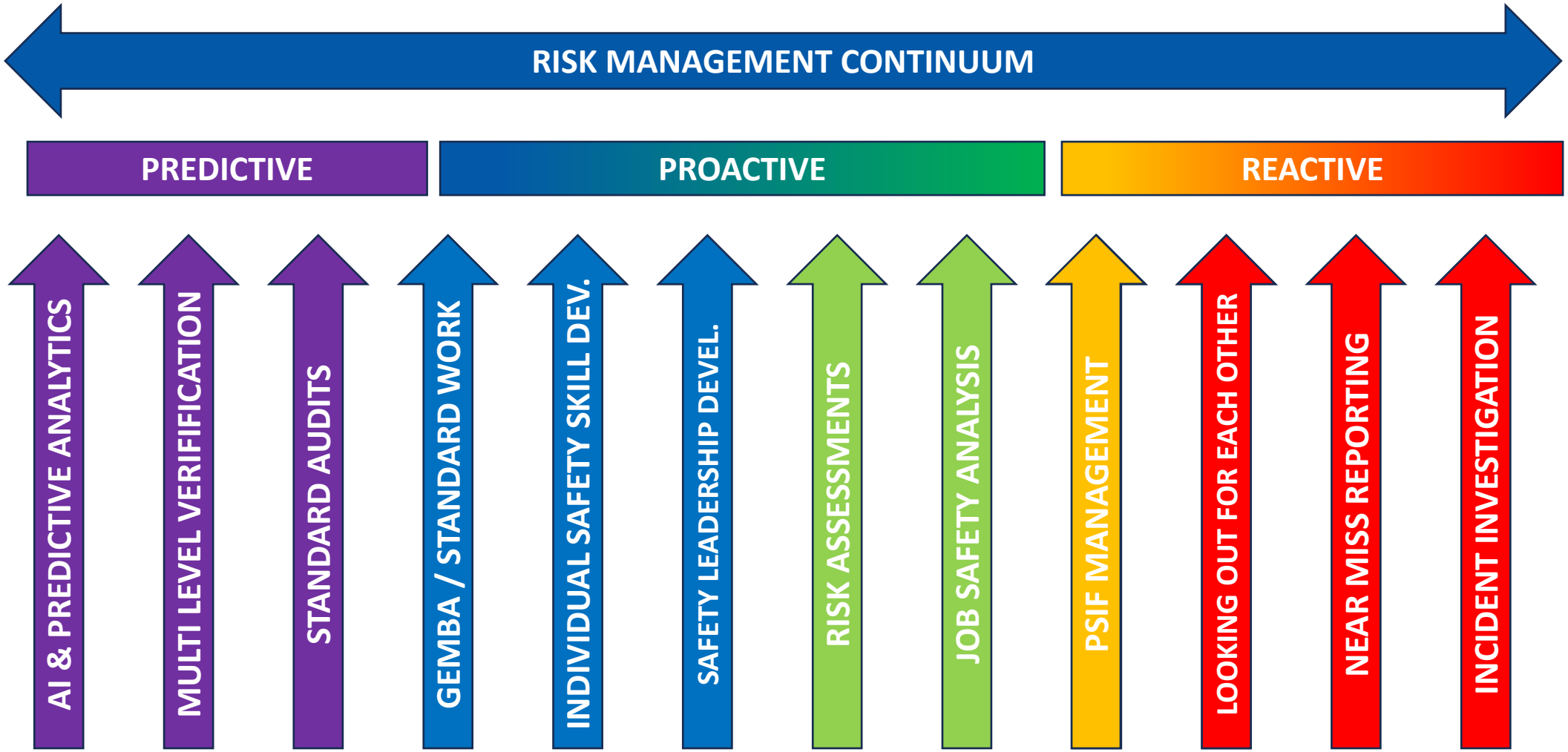

RISK MANAGEMENT CONTINUUM
PREDICTIVE
PROACTIVE
REACTIVE

Our systems are effective at improving safety conditions

- Strongly Disagree
- Disagree
- Neutral
- Agree
- Strongly Agree


RISK MANAGEMENT CONTINUUM
PREDICTIVE
PROACTIVE
REACTIVE
NEAR MISS REPORTING
INCIDENT INVESTIGATION


RISK MANAGEMENT CONTINUUM
PREDICTIVE
PROACTIVE
REACTIVE
INDIVIDUAL SAFETY SKILL DEV.
SAFETY LEADERSHIP DEVEL.


RISK MANAGEMENT CONTINUUM
PREDICTIVE
PROACTIVE
REACTIVE
AI & PREDICTIVE ANALYTICS
MULTI LEVEL VERIFICATION
STANDARD AUDITS
GEMBA / STANDARD WORK
INDIVIDUAL SAFETY SKILL DEV.
SAFETY LEADERSHIP DEVEL.
RISK ASSESSMENTS
JOB SAFETY ANALYSIS
PSIF MANAGEMENT
LOOKING OUT FOR EACH OTHER
NEAR MISS REPORTING
INCIDENT INVESTIGATION

Leaders here are effective role models for 'walking the talk' for safety

- Strongly Disagree
- Disagree
- Neutral
- Agree
- Strongly Agree

TECHNICAL SYSTEMS

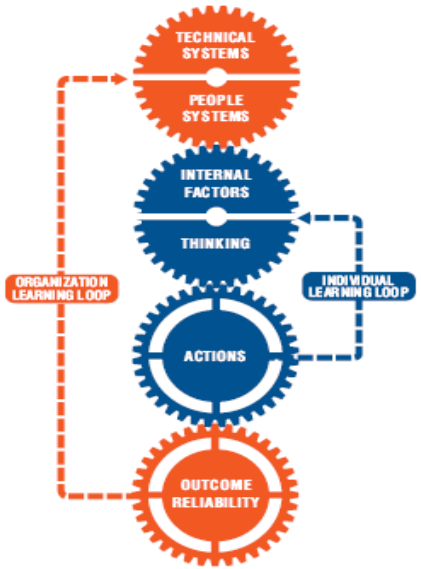
- ☐ engineering
- ☐ process
- ☐ equipment
- ☐ safety management system
- ☐ other _____

PEOPLE SYSTEMS

- ☐ work team
- ☐ supervisory skills
- ☐ organizational culture
- ☐ other _____

OUTCOME RELIABILITY

- ☐ safety
- ☐ production
- ☐ quality
- ☐ organizational performance
- ☐ other _____



INTERNAL FACTORS

- ☐ fatigue
- ☐ illness
- ☐ distraction
- ☐ overconfidence
- ☐ other _____

THINKING

- ☐ decision-making
- ☐ autopilot
- ☐ attention
- ☐ habits
- ☐ other _____

ACTIONS

- ☐ behaviors
- ☐ habit development
- ☐ having conversations
- ☐ flagging issues
- ☐ other _____

Instructions

1. Describe the situation, including how it could have been worse:

_____

_____

_____

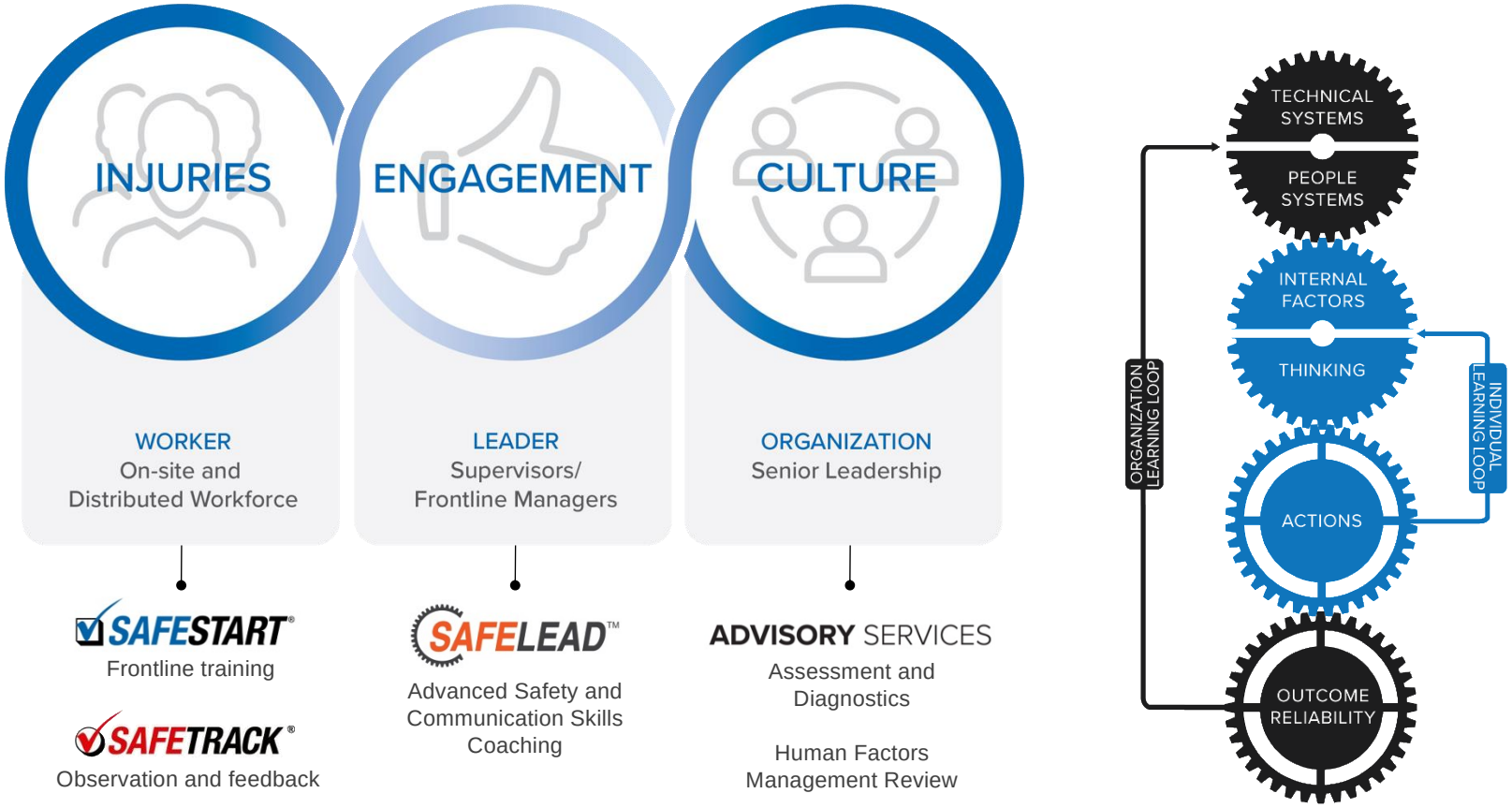
2. Check the applicable items on the organization and individual learning Loops.
3. Consider the most influential items you checked. Place a 1 beside the most impactful and continue ranking the top five overall items.
4. Identify specific skills or systems gaps that need to be addressed in order to prevent this from reoccurring.

_____

_____

_____

What's Next


INJURIES
ENGAGEMENT
CULTURE
WORKER
On-site and
Distributed Workforce
LEADER
Supervisors/
Frontline Managers
ORGANIZATION
Senior Leadership
SAFESTART®
Frontline training
SAFETRACK®
Observation and feedback
SAFELEAD™
Advanced Safety and
Communication Skills
Coaching
ADVISORY SERVICES
Assessment and
Diagnostics
Human Factors
Management Review
TECHNICAL SYSTEMS
PEOPLE SYSTEMS
INTERNAL FACTORS
THINKING
ACTIONS
OUTCOME RELIABILITY
ORGANIZATION LEARNING LOOP
INDIVIDUAL LEARNING LOOP

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THANK YOU FOR ATTENDING!