



HSEQ Management Software

Critical Control Management (CCM)

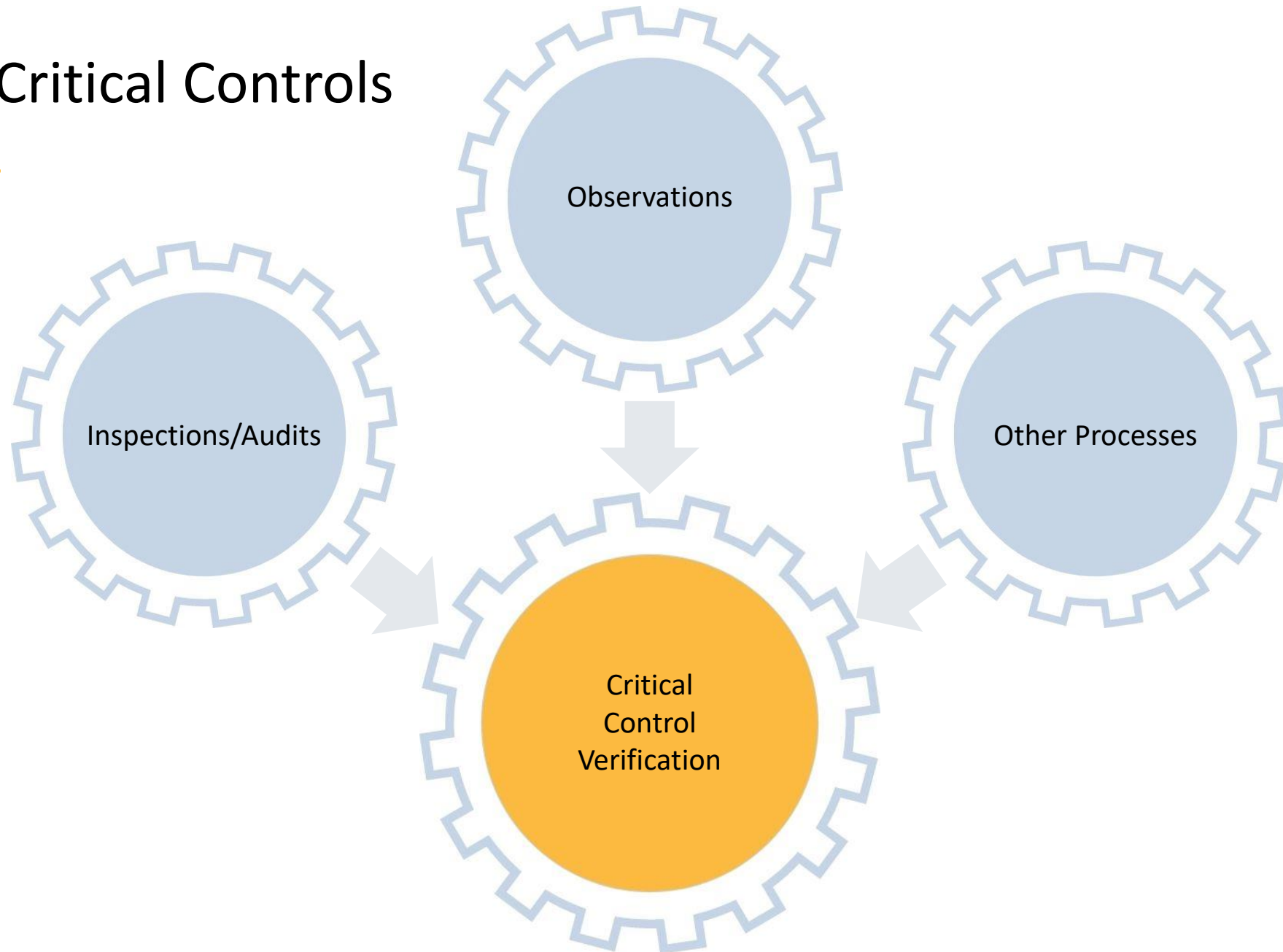
Controlling Critical Risks Using myosh

The myosh approach to CCM

- ✓ Use everyday processes to verify critical controls (No additional administrative overhead)
- ✓ Integrate with other modules and processes
- ✓ Notify/escalate when a critical control becomes ineffective
- ✓ Report on the performance of critical controls



Verifying Critical Controls

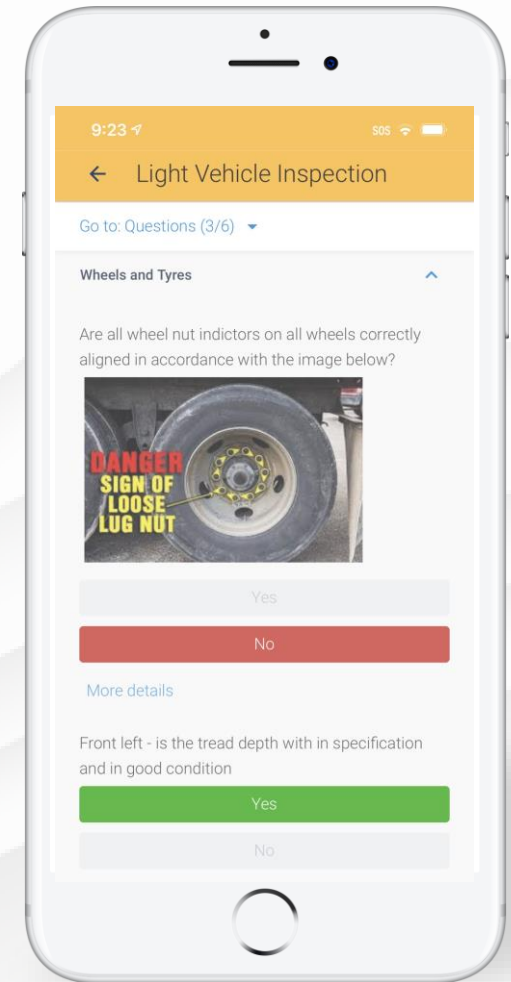


Verifying Critical Controls

Using myosh, Mitchell Services verifies thousands of critical controls every month

myosh reporting shows

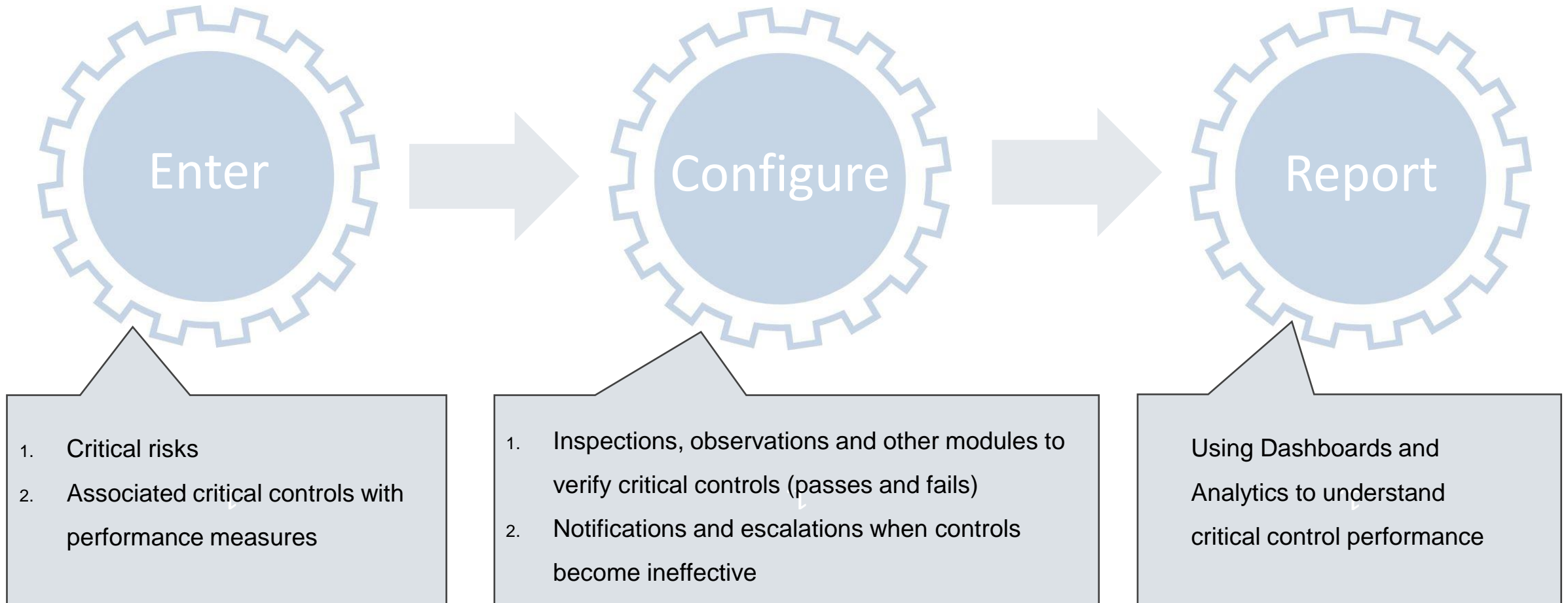
- ✓ How many
- ✓ Where
- ✓ On what
- ✓ No of failures/passes
- ✓ Ineffective controls needing review
- ✓ Which critical risks became uncontrolled



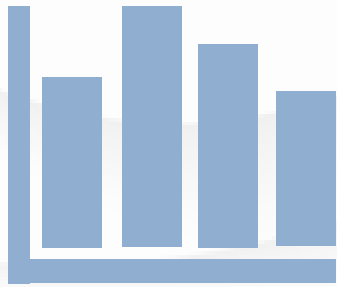
Critical Control Verifications

Date Show All	Critical Control Name Show All	Pass/Fail Show All	Source Show All	Verified by Show All
31/03/2021	Emergency Stop	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	DRABER Jane
31/03/2021	Current Drill Hole Plan	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	EISENHOWER Dwight
31/03/2021	Adequate water supply	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	MONET Claude
31/03/2021	Self Rescuer	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	MARAIS Jacque
31/03/2021	Fire Extinguishers located at drill sites and charged and have a current service tag	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	ADAMS Peter
31/03/2021	Pressure Relief Valve (PRV) functional	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	MANAGER Martin
31/03/2021	Laser tripping of rod handler	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	PICASSO Pablo
31/03/2021	Inspection of Overshot, Lifting Dogs/latches and Jar bar	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	POLLOCK Jackson
31/03/2021	Permanently fixed guarding/barricade to prevent access	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	BOURNE Jason
31/03/2021	Guarding on all rotating shafts, counter or tension units (Spin cage)	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	ADMINSON Angela
31/03/2021	Pendant system	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	DRABER Jane
31/03/2021	Laser barricading	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	EISENHOWER Dwight
31/03/2021	Laser barricading	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	MONET Claude
31/03/2021	Isolation Points	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	MARAIS Jacque
31/03/2021	Fundamentally Stable - UG	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	ADAMS Peter
31/03/2021	Refuge Chamber or Fresh Air Base	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	MANAGER Martin
31/03/2021	Ground Support (Client Control)	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	PICASSO Pablo
31/03/2021	Adequate site ventilation	Pass	Underground Style Drill myosh-06 Site Inspection - CCV	POLLOCK Jackson

Critical Control Management - Setup



Monitoring and Analysis



Build Dashboard Reports



Set KPI's



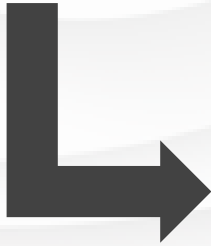
Review



HSEQ Management Software

Critical Risks

▼1	Status ▲2 Show All ▼	Risk Scenario Show All	Risk Assessment Date Show All ▼	Initial Risk Rating Show All	Preventative Controls - Advanced (Reducing Likelihood) - Control Name Show All
⊕	Not Assessed	Lifting and dropped load	08/12/2020	Consequence: Major, Likelihood: Likely, Rating: 21	Demarcated lift zone/drop zone, Lifting equipment must be inspected prior to u
⊕	Controlled	Electrocution	14/04/2021	Consequence: Catastrophic, Likelihood: Possible, Rating: 20	Electrical items are tagged
⊕	Controlled	Mobile crane operations interaction on site	09/12/2020	Consequence: Major, Likelihood: Almost Certain, Rating: 24	All cranes shall be subject to a documented pre-operation inspection and annu
⊕	Controlled	Pedestrians interaction with mobile equipment	09/12/2020	Consequence: Major, Likelihood: Likely, Rating: 21	All LV's, Trucks, Mobile Equipment, Forklifts and other mobile equipment must
⊕	Controlled	Guarding not providing physical separation	09/12/2020	Consequence: Catastrophic, Likelihood: Likely, Rating: 23	All guards shall be checked to ensure body parts cannot be inadvertently enter da
⊕	Controlled	Release of uncontrolled energy - Pressure	09/12/2020	Consequence: Major, Likelihood: Likely, Rating: 21	Designated isolation points shall be clearly labelled at all times to identify the c
⊕	Controlled	Drowning	08/12/2020	Consequence: Major, Likelihood: Likely, Rating: 21	Barricading and meshing on accessways of surface above ground tanks preven
⊕	Controlled	Tyre and Rim Failure	17/11/2020	Consequence: Moderate, Likelihood: Almost Certain, Rating: 22	Fit for purpose tyres and rims and load rated for the vehicle and operational co



Controls - Advanced ▼

Preventative Controls - Advanced (Reducing Likelihood)

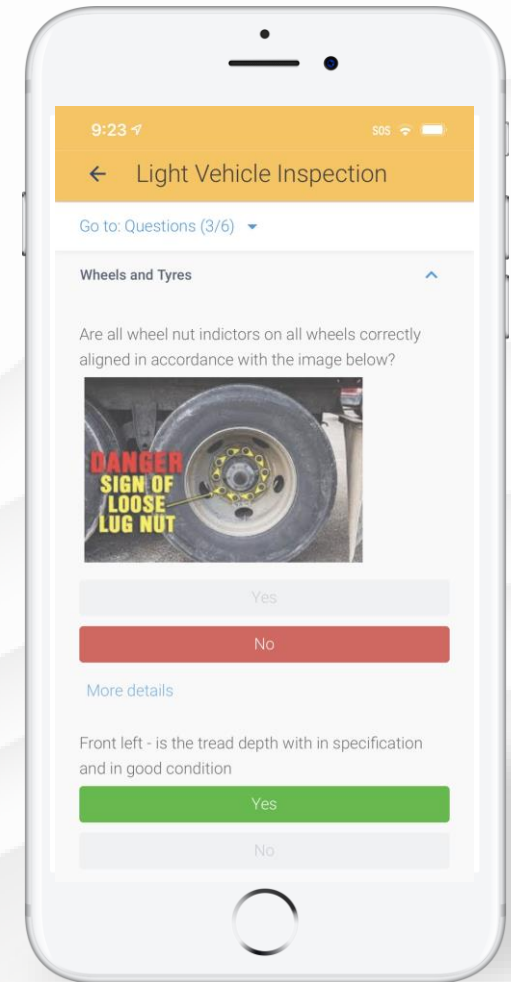
	Control Name	Critical/Non Critical	Cause #	Status
⊕	Fit for purpose tyres and rims and load rated for the vehic...	Critical	1	Effective
⊕	Regular rims maintenance schedule which checks for cor...	Critical	1, 2, 3	Effective
⊕	Regular tyre maintenance schedule which checks tyres fo...	Critical	1, 2, 3	Effective
⊕	Torque settings on wheel nuts as per OEM specs	Critical	1.	Effective

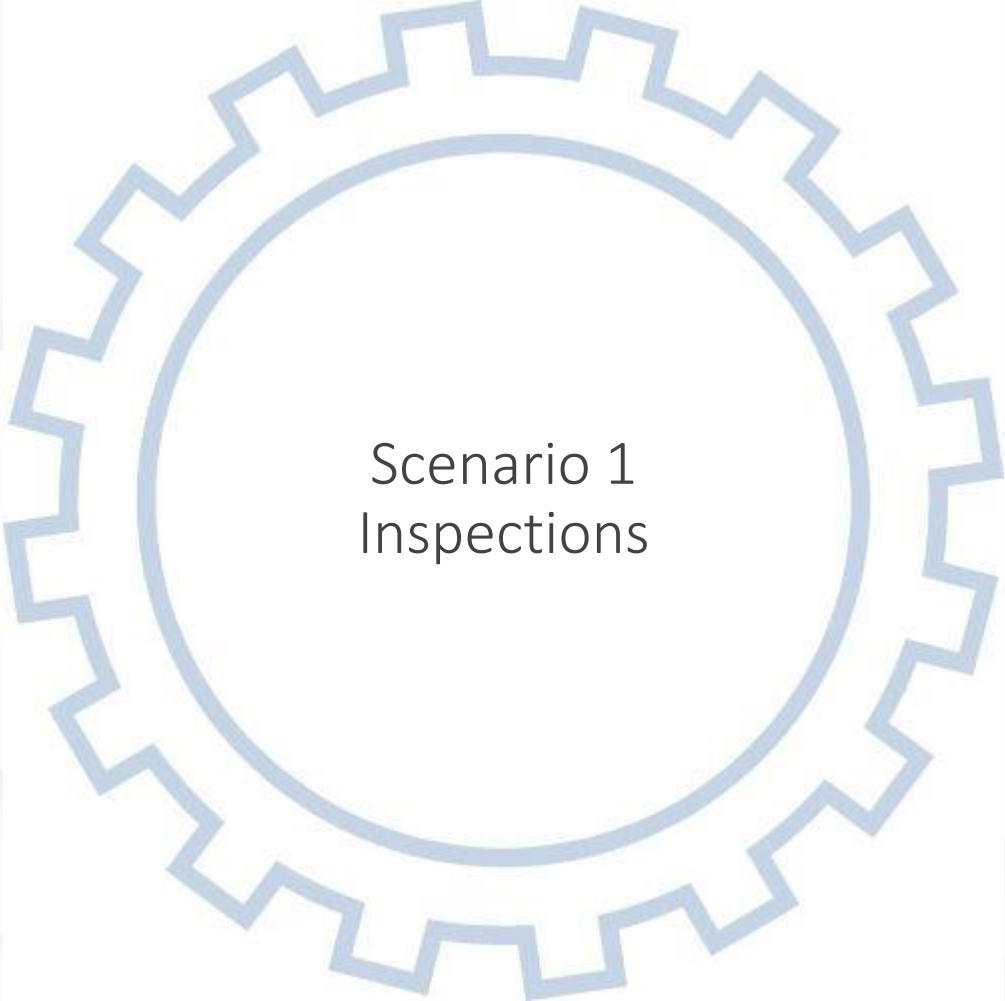
Smart Inspections

Do more than just ask and answer questions

Automate business processes based on responses

- ✓ Notify
- ✓ Change workflow based on answers
- ✓ Automatically create actions, incidents and more






Scenario 1 Inspections

Smart Inspection – Critical Control Fails

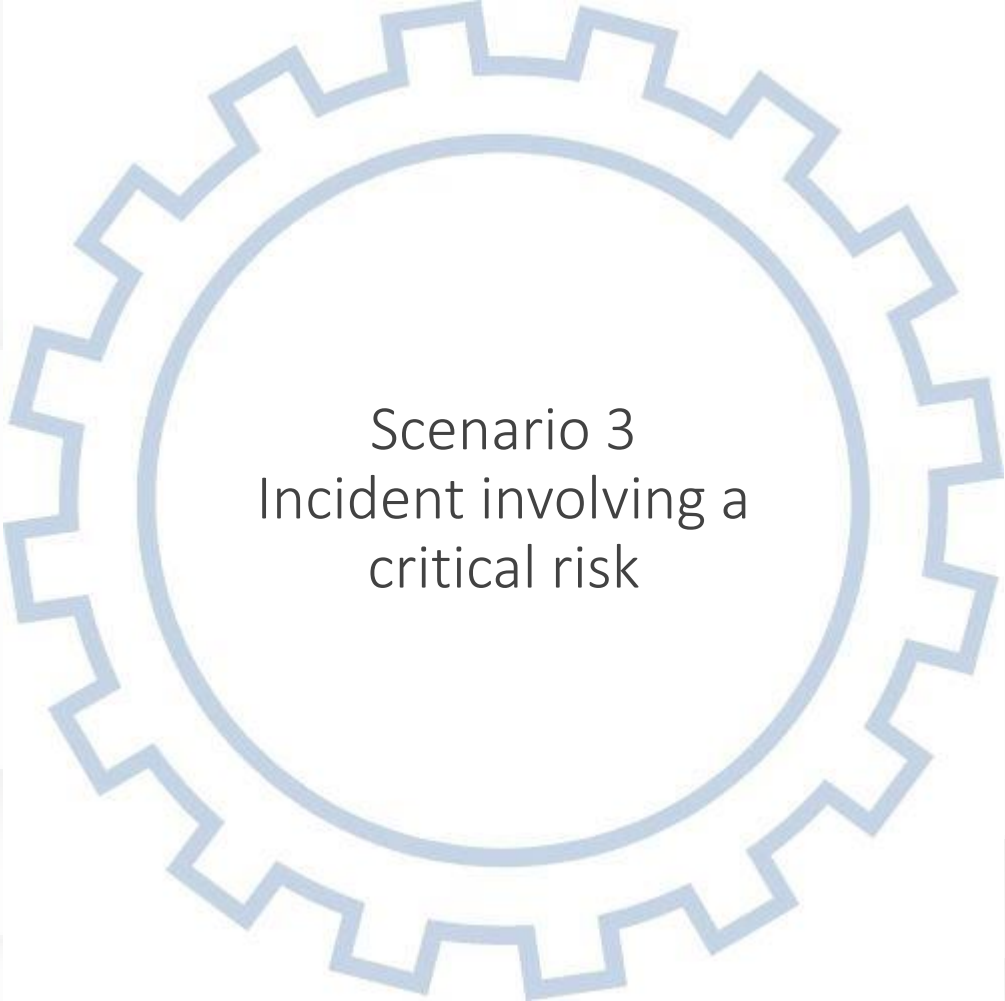
- Verification document created
- Critical Risk becomes uncontrolled
- Critical Control becomes ineffective
- Notifications – email and push notifications generated
- Action created and assigned



Scenario 2
Job Safety Observation

Observation – Critical Control Fails

- Verification document created
- Critical Risk status changes
- Critical Control status changes
- Notifications – email and push notifications



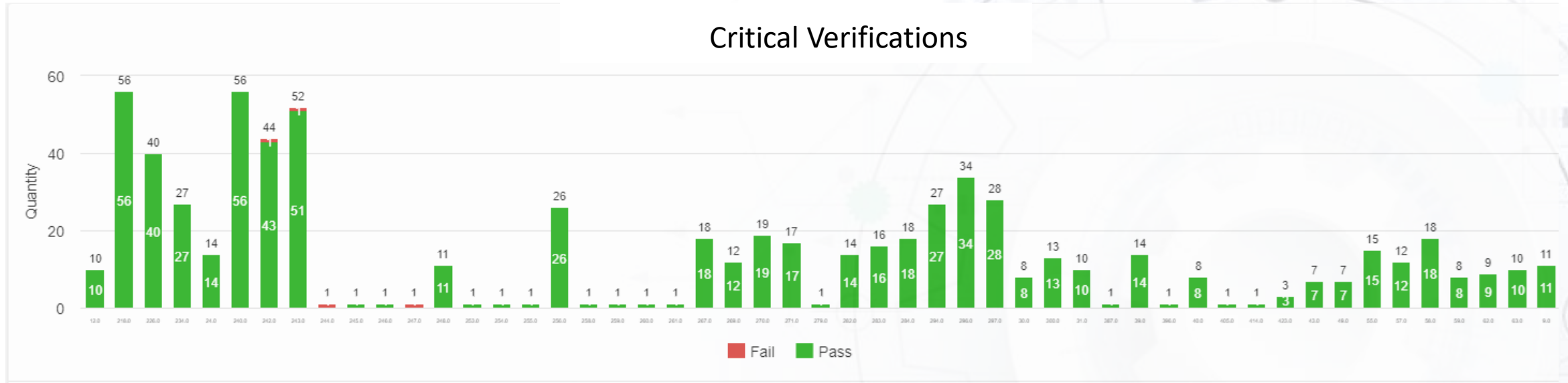
Scenario 3
Incident involving a
critical risk

Incident – Critical Risk Causes Incident

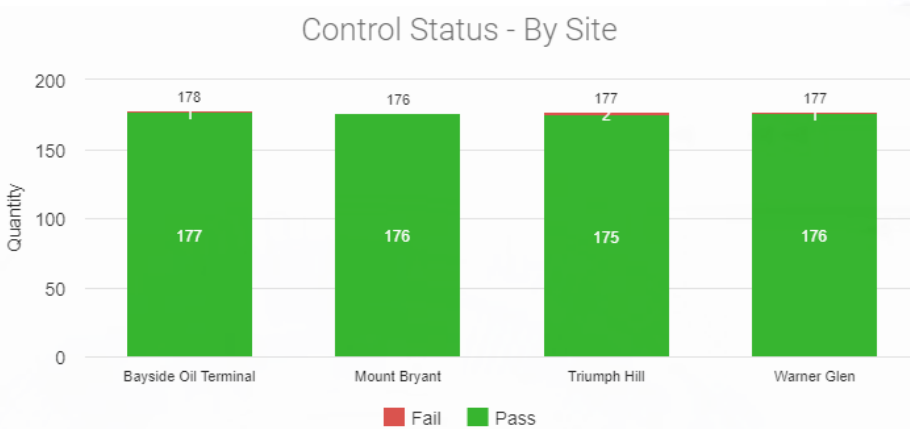
- Critical risk status changes
- Notifications – email and push

Reports

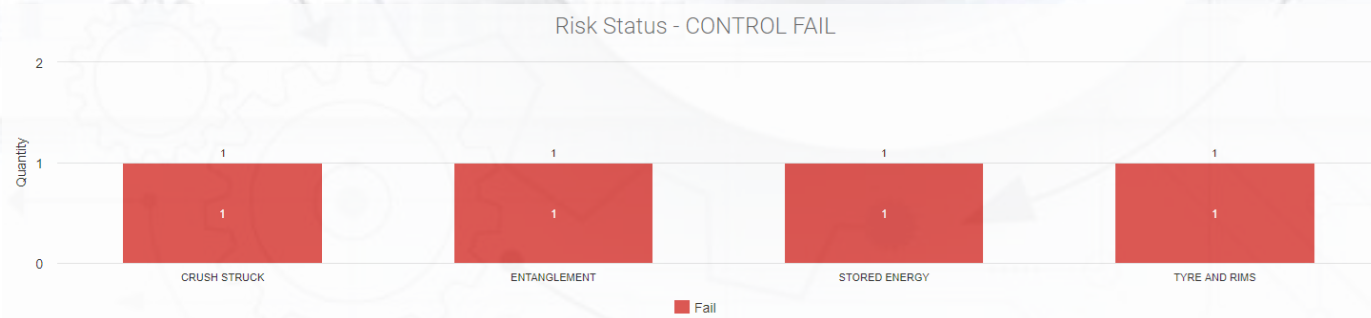
Critical Verifications



Control Status - By Site



Risk Status - CONTROL FAIL



Future Features

- ✓ Bowtie add-on
- ✓ Real – time integration with sensors
- ✓ Integration with other systems (already available) eg maintenance systems.