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SHARING OF LEARNING

LEAD AZIDE INCIDENT



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What you will hear today:

INCIDENT DESCRIPTION

INCIDENT MANAGEMENT

INCIDENT LEARNING



INCIDENT DESCRIPTION



Event

At 05h14 on 18 December 2020, a machines Operator sustained life altering injuries when the contents of the reject tray he was carrying detonated after the reject tray fell to the floor in the machines compartment



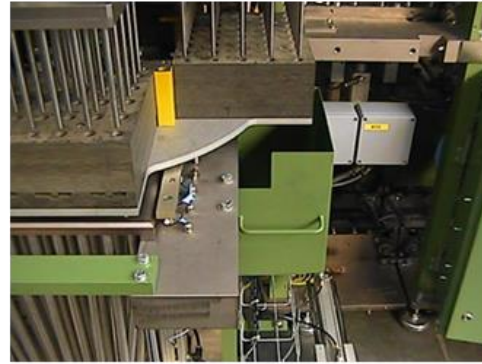
INCIDENT DESCRIPTION



Key components / areas



Non-propagating block



Reject tray station



Sieve reject tray D219



Lined reject tray B219



Safety shield



Waste packing station S2



Waste packing station S12

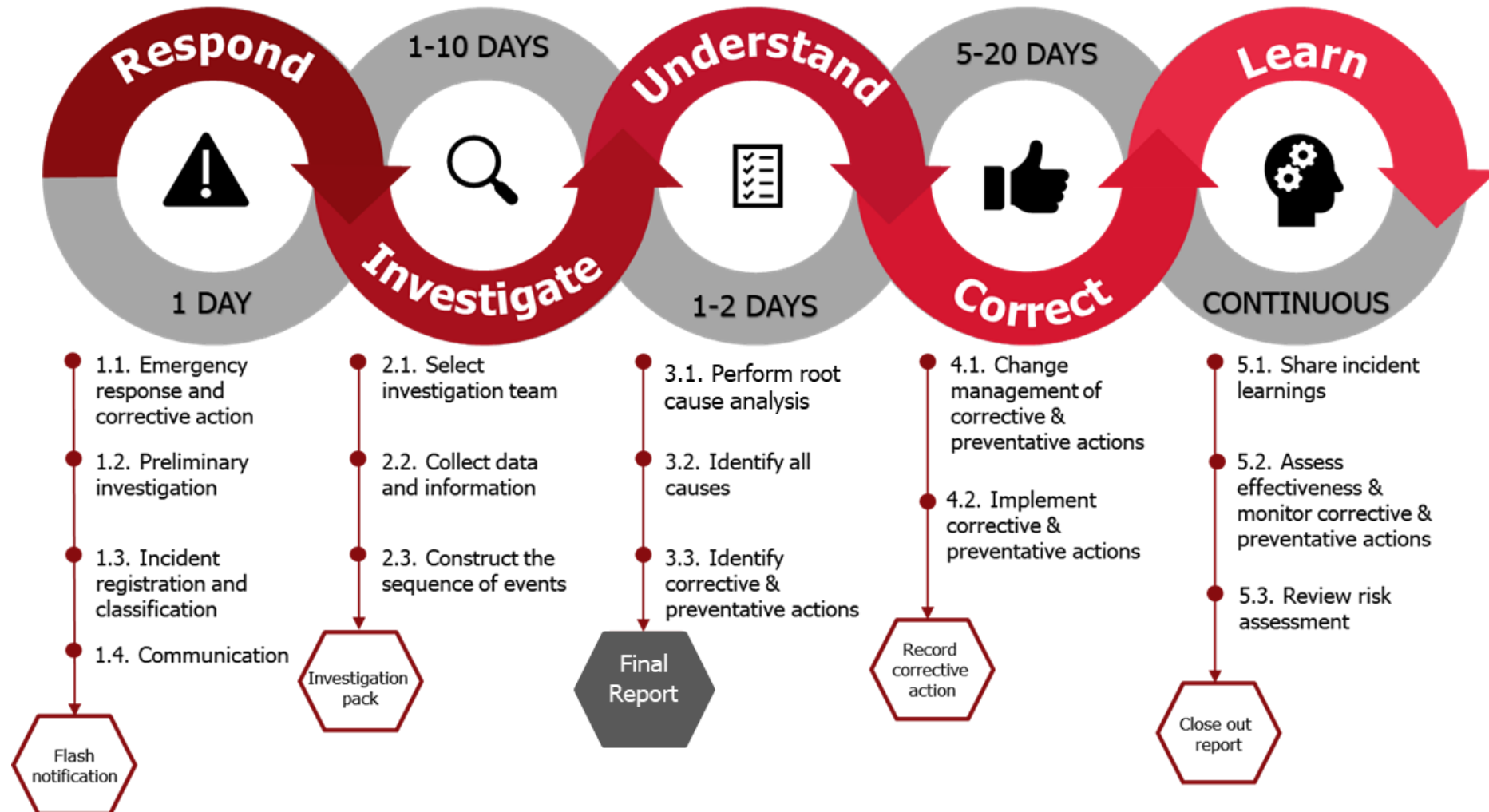


Earth strap

INCIDENT MANAGEMENT



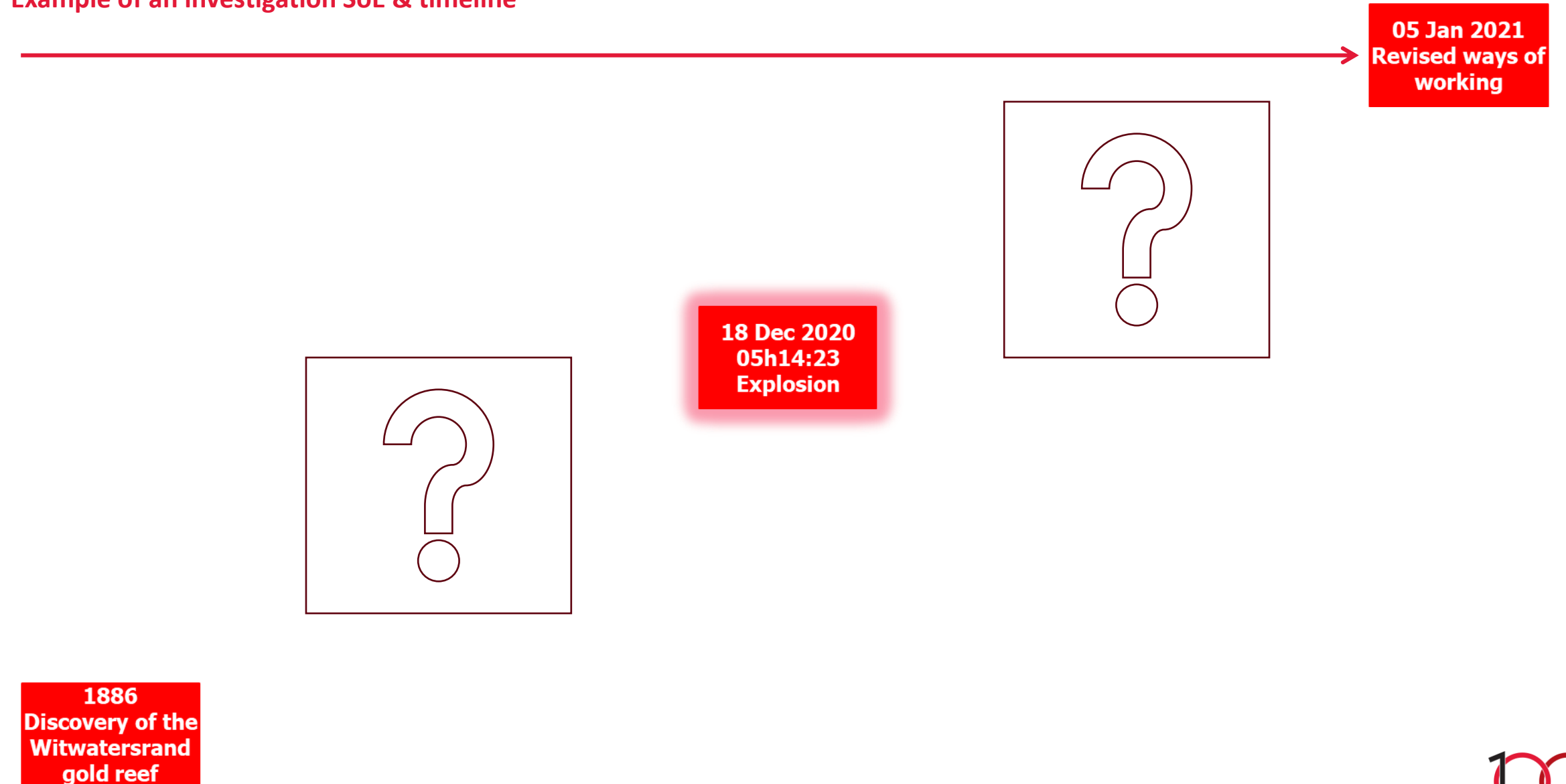
Basic investigation process flow



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Example of an investigation SoE & timeline



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Lead Azide specific investigation discovery



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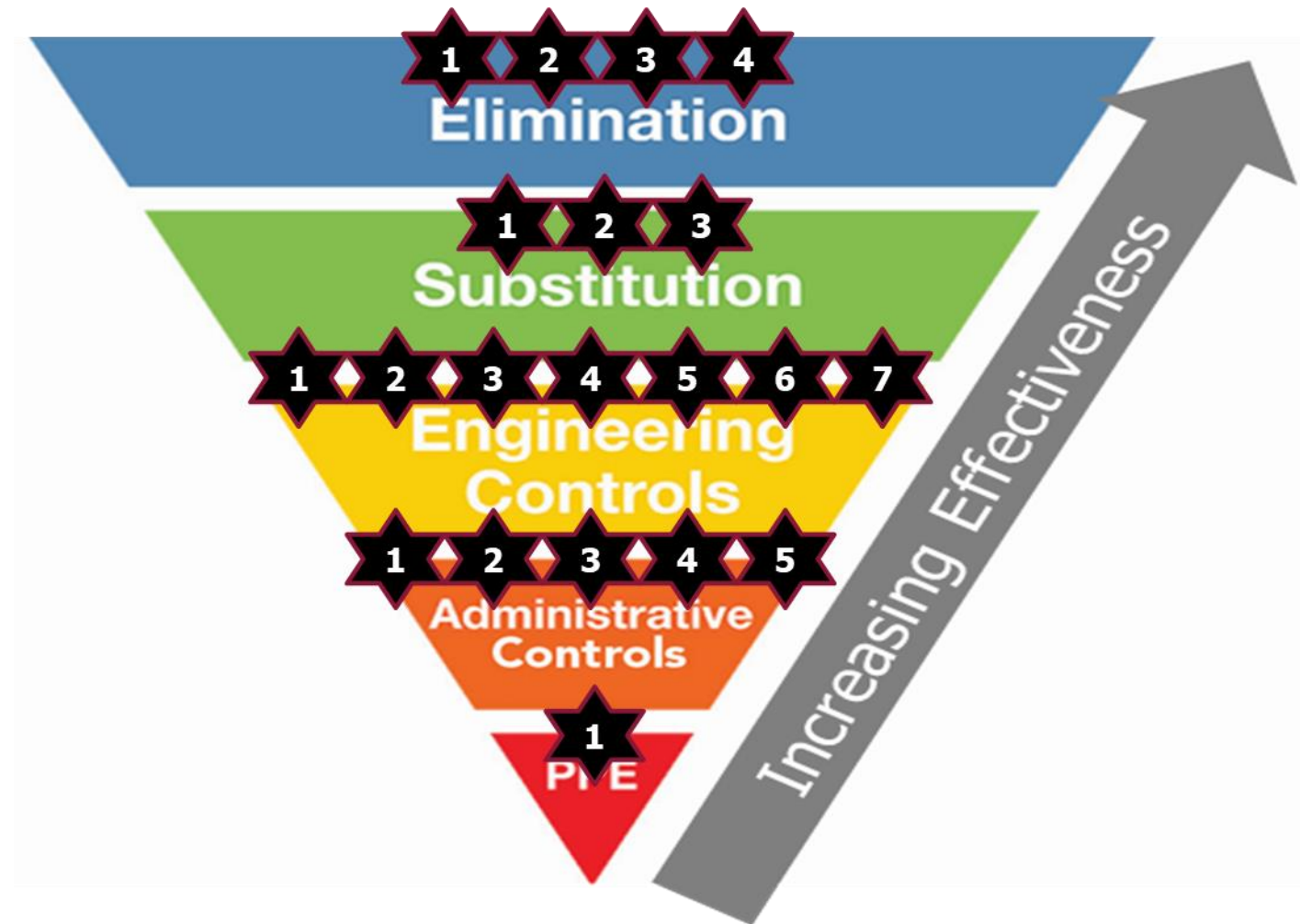
Reject tray before and after



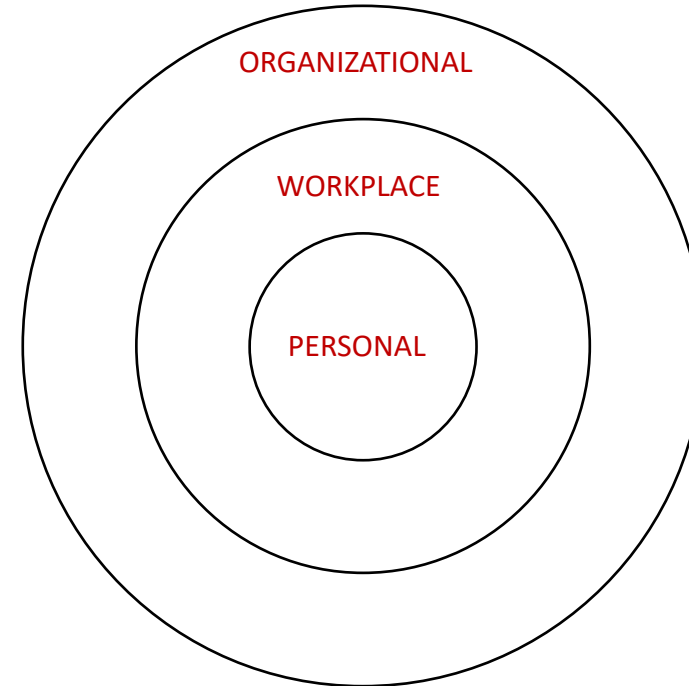
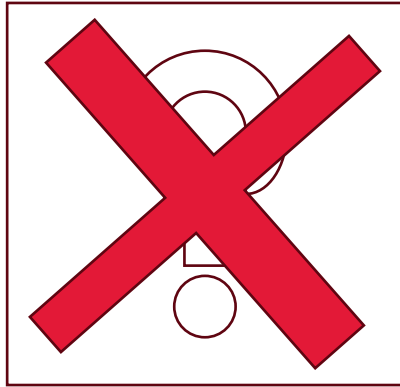
INCIDENT MANAGEMENT



Summary of root cause failures relative to the hierarchy of controls



Non-causal concerns and OWP factors



Generic

- It is good practice to frequently evaluate existing practices / controls from a perspective of fit-for-purpose, productivity and continuous improvement
- MoC should be applied to every change irrespective of the perceived impact;
 - The implementation of MoC should cover all dimensions of the business and stakeholders as well as;
 - Recognize all past changes i.e. should not be implemented in isolation.
- Business reengineering initiatives should be evaluated to confirm sustainable and improved business continuity in its new form
- Caution must be applied to organizational reengineering that may increase the span of control of accountable persons and possibly dilute the quality of their oversight
- The allocation of resources to an activity will not produce the desired outcome if it is not enabled with reliable systems and processes
- Finding the balance and managing the respective performance objectives requires close attention to ensure that one objective does not overwhelm another creating skewed priorities
- PSM can and should be applied to the explosive manufacturing processes

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THANK YOU

