

SURFACE MINER TRIAL PROJECT

*Safety and Health Conference
Townsville*

19th August 2014

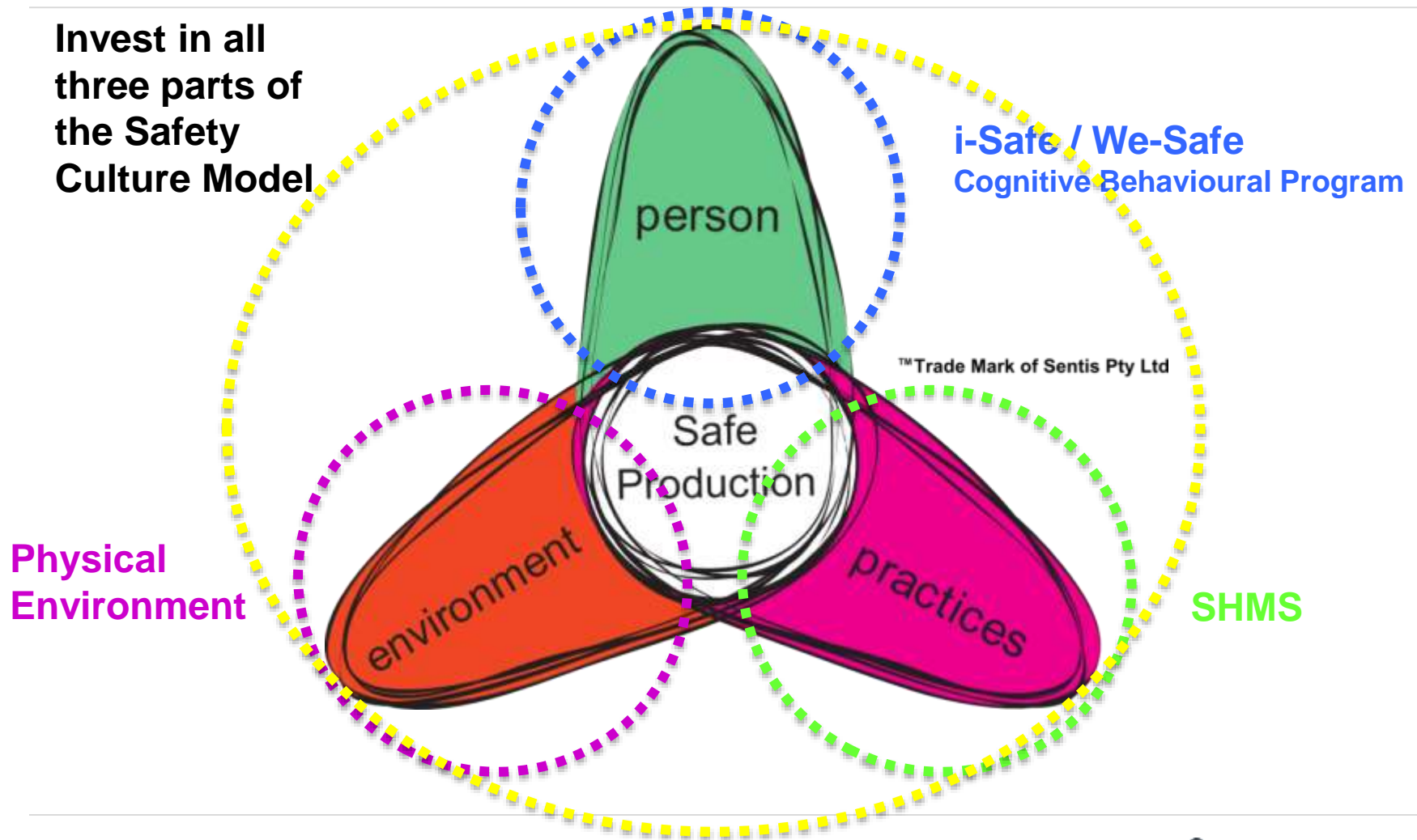


NEW HOPE
GROUP

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Safety Culture Model

Invest in all
three parts of
the Safety
Culture Model



NEW HOPE GROUP - NEW ACLAND COAL

Who are we...



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What we believe...

Growth and innovation are imperative.

Culture Change

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Our Unique Issues...

Multi-handling of Material

1. RIP



2. STACK



3. LOAD



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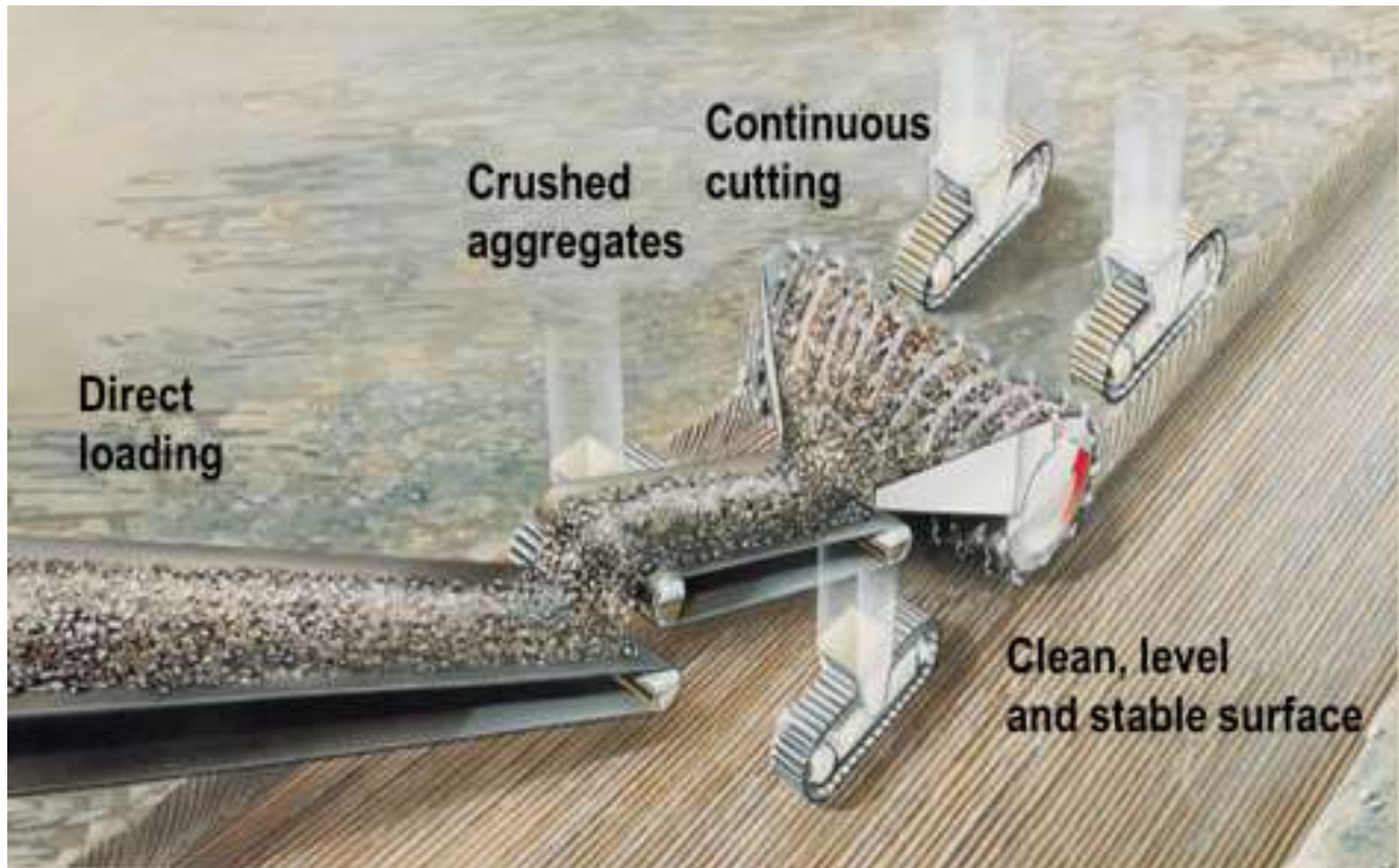
A Possible Solution...

Surface Miner



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How it works and foreseeable benefits...



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How we implemented the machine...

Where we start:

Directive

**2009/104/EC of the
European Parliament
and of the Council.**

(1) Der Arbeitgeber trifft die erforderlichen Vorkehrungen, damit die den Arbeitnehmern im Unternehmen bzw. Betrieb zur Verfügung gestellten Arbeitsmittel für die jeweiligen Arbeiten geeignet sind oder zweckentsprechend angepasst werden, so dass bei der Benutzung die Sicherheit und der Gesundheitsschutz der Arbeitnehmer gewährleistet sind.

Our Aim:

Coal Mining Safety & Health Act 1999

**Section 6 – Objects
of Act**

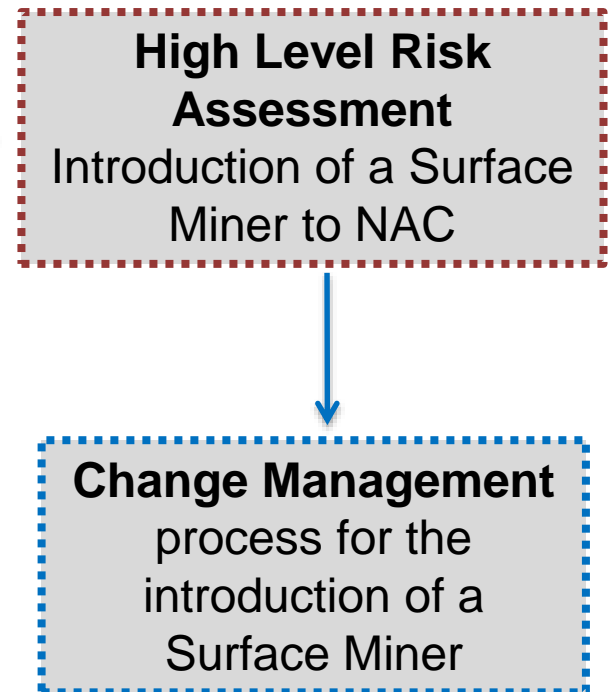
The objects of this Act are—

- (a) to protect the safety and health of persons at coal mines and persons who may be affected by coal mining operations; and
- (b) to require that the risk of injury or illness to any person resulting from coal mining operations be at an acceptable level; and
- (c) to provide a way of monitoring the effectiveness and administration of provisions relating to safety and health under this Act and other mining legislation.

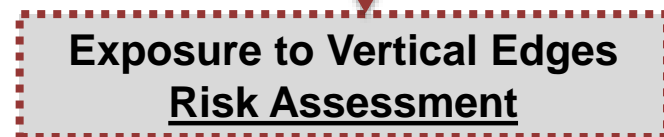
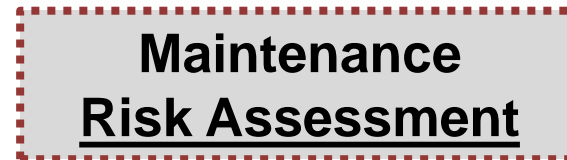
How we implemented the machine...



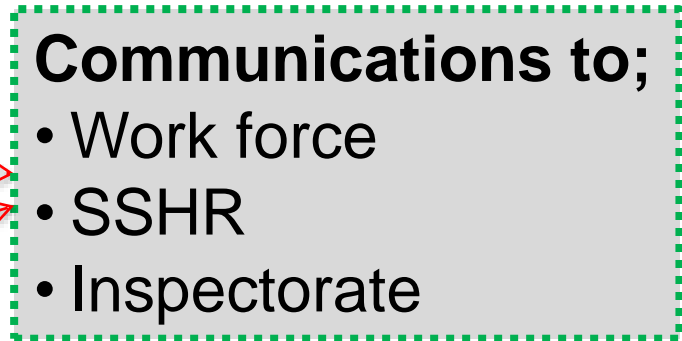
How we implemented the machine...



How we implemented the machine...

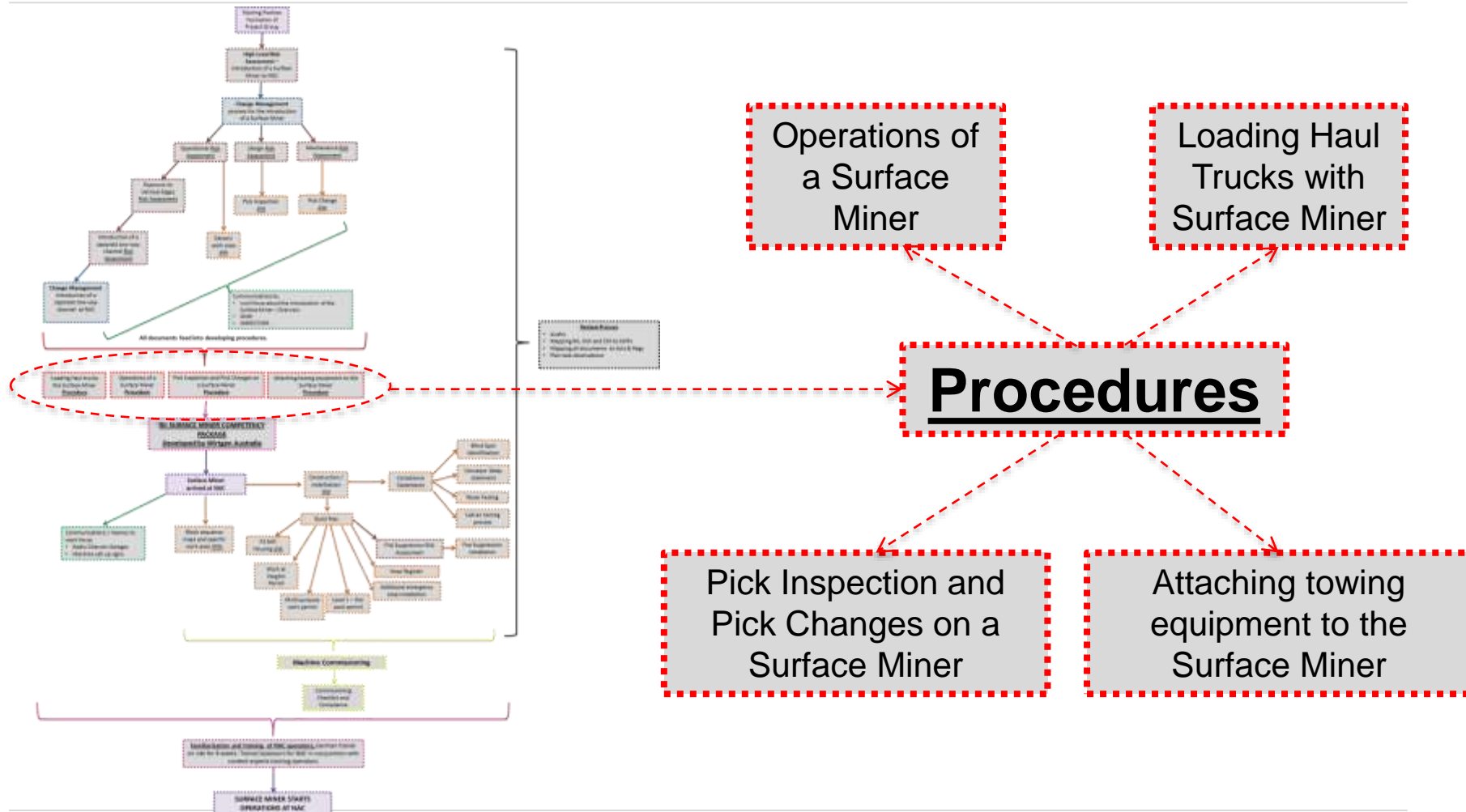


How we implemented the machine...



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How we implemented the machine...

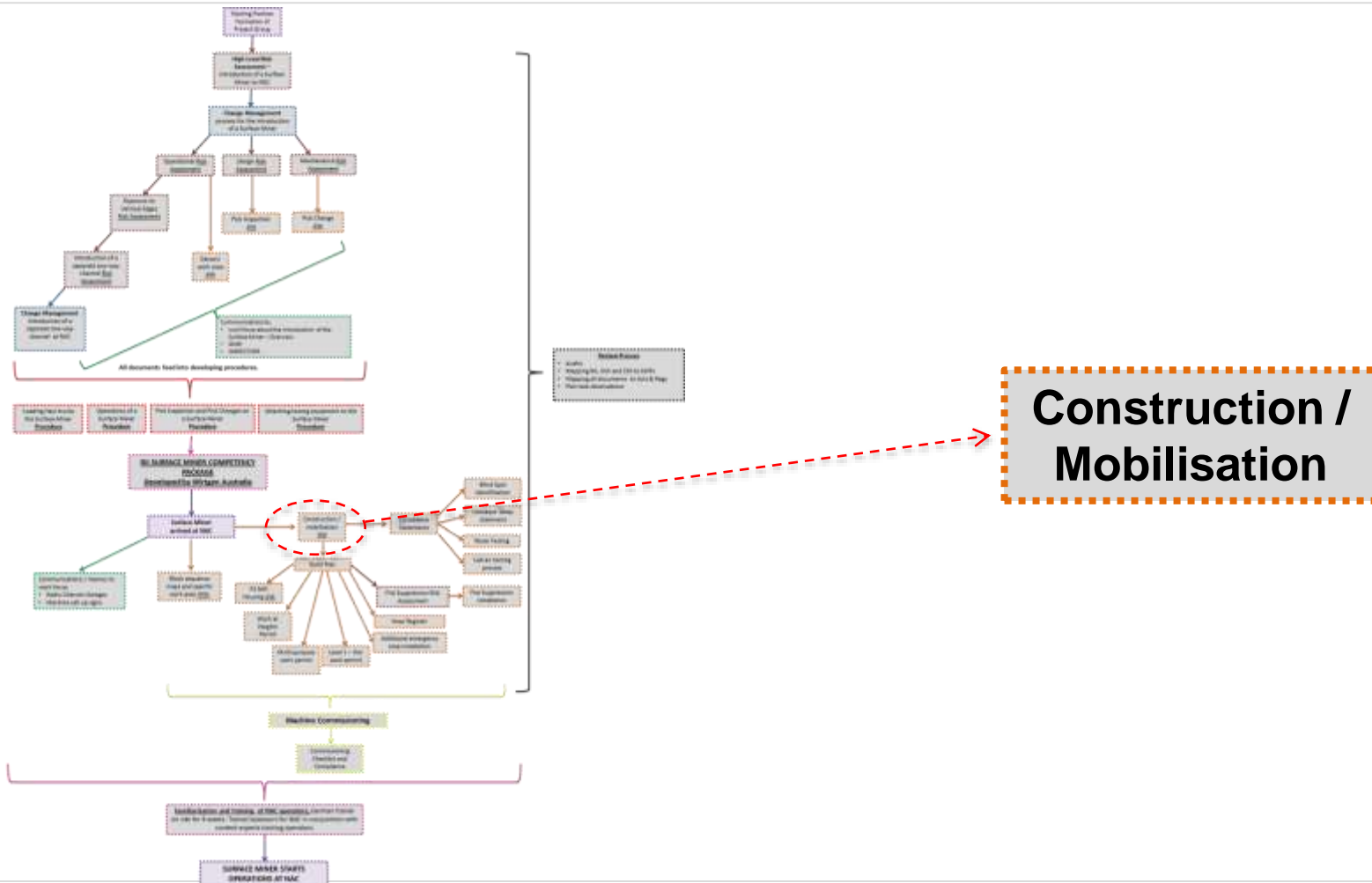


How we implemented the machine...



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How we implemented the machine...

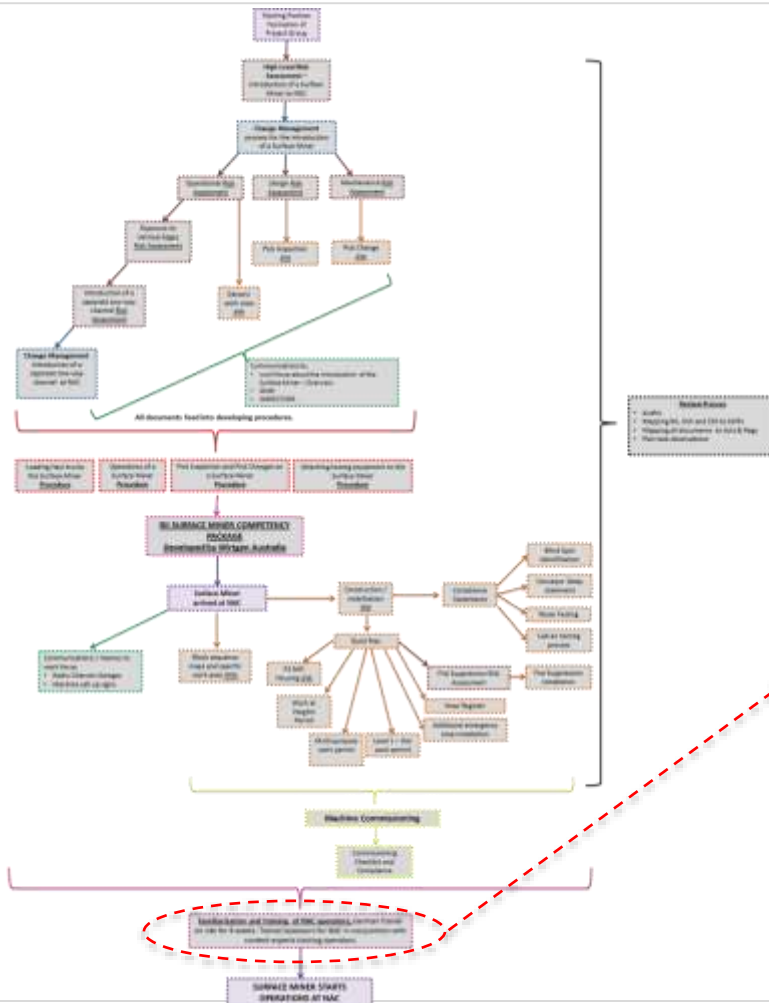


How we implemented the machine...



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How we implemented the machine...



Familiarisation & training of NAC operators:

Wirtgen trainer on site for 8 weeks.

Trainer/assessors for NAC in conjunction with content experts training operators.

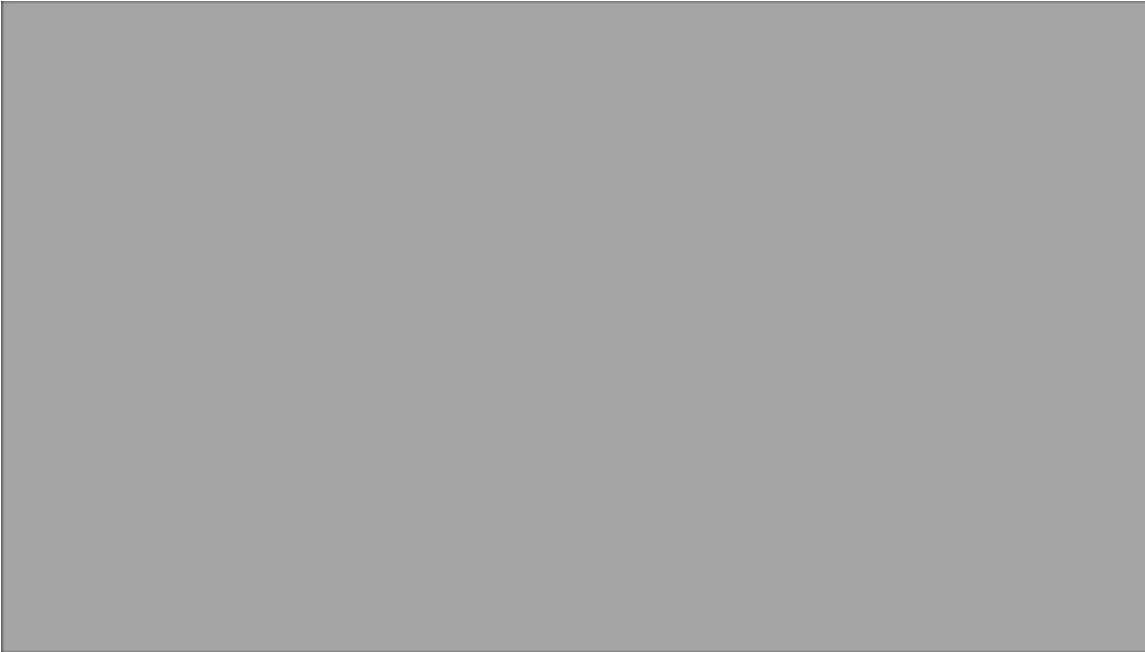
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How we implemented the machine...



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Results and benefits seen to date...



- Lower vibration exposure level rating and lower health risk rating.
 - dB(A) drop in noise
 - Less interaction in work area
-
- Less fine producing processes
 - Reduced handling of each material
 - Improved running surface for haul trucks.

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Results and benefits seen to date...

Since the start of operations we have no recorded incidents or injury related to the Surface Miner.

The implementation process has been successful in identifying and reducing the risk associated with the design, operation and maintenance of the Surface Miner.

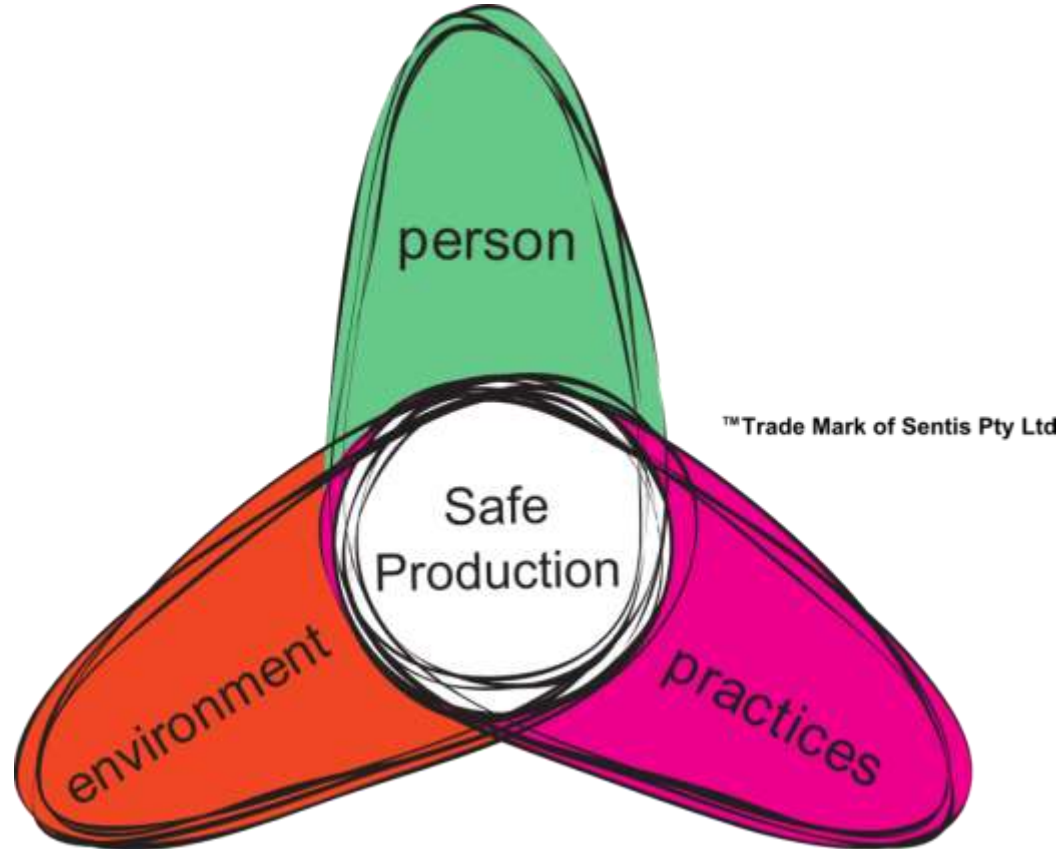
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Where to from here...

- Coal Particle Size Distribution Trial
 - Coal Trials – through CHPP
 - Coal Trials – varying seams/thickness
 - Optimising -
 - Production
 - Operator skills
 - Technologies
 - Planning and scheduling – strip/block design
- 
- Plan task observations (PTO), audits on safety systems, operational and maintenance performance reviews and critiquing all procedures.

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Safety Culture Model



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Questions?

