Order 34
Mid-Year Workshop

Open Cut Session

Wednesday, 5 June 2024

Cindy James
Order 34 Manager

Acknowledgement of Country

Coal Services

We acknowledge the Wanaruah, Wonnarua People as the traditional owners and custodians of the land within the Hunter Valley area.

We pay respect to all Aboriginal Elders, past, present and future with a spiritual connection to these lands.

Evacuation

Coal Services

In the event of an emergency there are tones that operate throughout the building. There is a pre-tone that leads to the full evacuation alarm.

- Location of Exits and Emergency Evacuation Points
  Primary location - outside front gate
  Secondary location in Vehicle Extrication Area

- The site Emergency Warden is the Office Administrator (Taylor/Libby).
  Upon evacuation you must report to the Warden

Facilities

There are several toilets on site:

- M/F toilets near front administration
- M/F toilets off the main crib room
- M/F toilets at bottom of stairs off the B/A room

Smoking is prohibited within the boundaries and 10 metres outside the boundary of Mines Rescue.

Today's program

Coal Services

Time	Agenda item	Presenter
9 am – 9:15 am	Registration + Morning Tea	
9:15 – 9.20 am	Welcome and Overview	Cindy James (Order 34)
9.20 – 9:30 am	Introductions/ General Discussion	Group
9:30 – 9:45 am	Industry Update	Cindy James (Order 34)
9:45 – 10:30 am	CMI Industry Data	Ricky Aldana (Coal Mines Insurance)
Break – 20 minutes		
10.50 – 11.20 am	Training Compliance Reporting	Col Lawson (Hunter Valley Operations)
11.20 – 12 pm	Networking Activity	Group
Lunch – 30 minutes		
12:30 – 1 pm	Order 34 Kahoot Team Challenge	Group
1 pm – 2 pm	Thiess Paperless Training & Assessment	Thiess
2 pm – 2:10 pm	Coal Services New MoC App Demo	Cindy James (Order 34)
2:10 pm	Summary and close out	Cindy James (Order 34)

Introductions and General Discussion

Coal Services

Introductions

- Name
- Company/Operation
- Role
- What you would like to get out of today?

Coal Services

Order 34

Industry Update

Current NSW Coal Operations

Coal Services

Open Cut

Gunnedah Region
Boggabri (Idemitsu)
Maules Creek (Whitehaven)
Tarrawonga (Whitehaven)
Vickery (Whitehaven)
Werris Creek (Whitehaven) *ceased Production 2024*

Hunter Region
Bengalla (New Hope Group)
Bulga (Glencore)
Hunter Valley Operations (Glencore/Yancoal)
Mangoola (Glencore)
Mount Thorley Warkworth (Yancoal)
Mt Arthur North (BHP)
Mt Arthur South (Thiess)
Mt Owen Glendell (Glencore)
Mt Pleasant (Thiess)
Ravensworth (Glencore)
Rix's Creek (Bloomfield Group)
United Wambo Joint Venture (Glencore/Peabody)

Newcastle Region
Bloomfield Mine (Bloomfield Group)
Stratford (Yancoal) *ceasing Production 2024*

Western Region
Cullen Valley & Invincible (Castlereagh Coal)
Moolarben Open Cut (Yancoal)
Wilpinjong (Peabody)

Underground

Gunnedah Region
Narrabri (Whitehaven)

Hunter Region
Ashton (Yancoal)
Dartbrook (Australian Pacific Coal) *commencing 2024*
Integra (Glencore)
Maxwell (Malabar Resources)
Wambo (Peabody)

Newcastle Region
Chain Valley (Delta Coal)
Mandalong (Centennial)
Myuna (Centennial)

Southern Region
Appin (Illawarra Metallurgical Coal – South32)
Dendrobium (Illawarra Metallurgical Coal – South32)
Metropolitan (Peabody)
Tahmoor (Simec)

Western Region
Airly (Centennial)
Clarence (Centennial)
Moolarben Underground (Yancoal)
Springvale (Centennial)
Ulan Underground (Glencore)
Ulan West (Glencore)

Resources Regulator Incident Summary
5 May 2023 – 3 May 2024

Coal Services

2,150 Reportable Incidents for All Sectors

132 Reportable Incidents Summaries provided for All Sectors

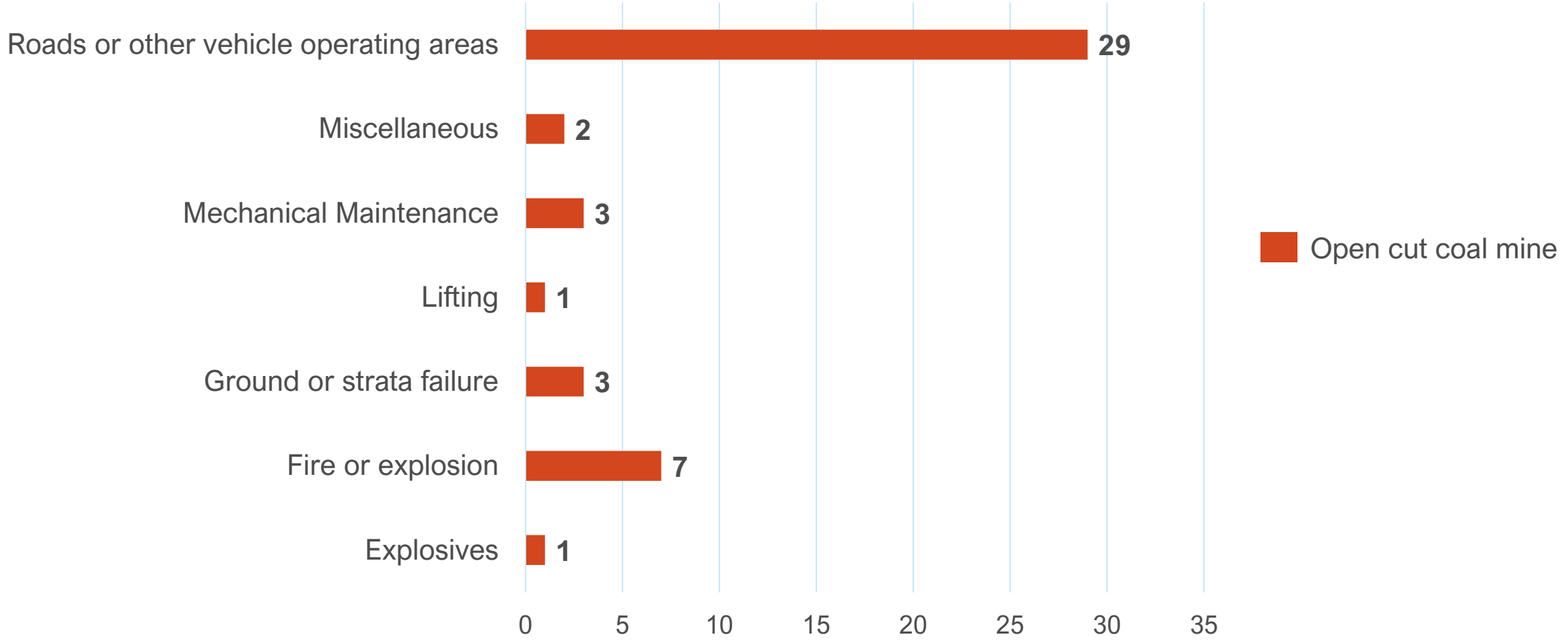
89 Reportable Incidents Summaries provided for the Coal Sector

46 Reportable Incidents Summaries provided for Open Cut Coal Operations

Resources Regulator Incident Summary
5 May 2023 – 3 May 2024

Coal Services

Notifiable Incidents where Summary provided by the Resources Regulator



Open Cut Incidents

Training and Competency

Coal Services

Category	Comments to Industry
Fire or explosion	Workers must be regularly trained in how to respond in an emergency such as a fire on plant. Training should reflect the systems and lay out that workers will be operating in, including activation of e-stop and fire suppression systems.
Mechanical maintenance	All workers conducting pressure testing should be trained and assessed as being competent in that SWP.
Roads or other vehicle operating areas	Workers should be provided adequate information, training, and instruction regarding updates to bulk push designated zones and the requirement to remain inside the zone. Following a recent awareness campaign on vehicle interactions the Regulator published a video that can be used for training purposes and toolbox talks. Mine operators are encouraged to use this resource. You can watch the video on YouTube. Mine operators should ensure that all haul truck operators are familiar with emergency braking procedures and that operators are competent in the application of emergency brakes. Truck operators must remain situationally aware when maneuvering a truck near windrows and dump drop-offs and should use the service brake in emergency situations. Situational awareness is a key control when operating mobile equipment. Workers should be trained in the importance of this control and include it in their pre-task risk assessment.

To subscribe go to: https://www.resourcesregulator.nsw.gov.au/news/weekly-incident-summary

Resources Regulator Information

Coal Services

Bulldozer incident increase

66	56	10
incidents reported to the Regulator since January 2022	occasions reported there was physical equipment damage	incidents reported as a potential for injury or illness

The Regulator's review identified the following contributing factors:

- operators have not identified all the hazards in their workplaces
- operators and supervisors have not maintained standards in their work areas including windows, demarcation of work zones, light vehicle park-up areas and exclusion zones
- operators have not maintained control of dozer work areas
- a lack of positive communication between operators that is repeatedly a factor in collisions
- several instances when operators and supervisors did not identify the need for positive communications.

Refer to SB24-01 Bulldozer incident increase dated 27 March 2024

Resources Regulator Information

Coal Services

Human and organisational factors data review

An independent review has found that **74%** of human behaviours associated with safety incidents and accidents over the past 5 years **were due to unintentional error by individual workers**.

23% of behaviours were assessed as intentional or routine non-compliances. There were no instances of intentional harm or sabotage.

The NSW Resources Regulator engaged the Keil Centre to undertake a comprehensive, independent data review of all human and organisational factors analyses undertaken by the Regulator between August 2018 and May 2023. The data comprised human and organisational factors analyses related to 267 notifiable incidents with 180 incidents at surface mines and 87 at underground mines.

The Regulator's human and organisational factors analysis tool (S-HOF) was designed in 2017 to analyse the human behaviours associated with safety incidents and accidents. It considers both unintentional behaviours (errors) as well as intentional non-compliances with rules or established processes. It also accounts for the performance shaping factors (from individual through to organisational level factors), which influenced the behaviour. The purpose of the S-HOF analysis was to identify and implement systemic changes that would help reduce unsafe human behaviours that lead to adverse safety incidents.

Refer to Fact sheet – HOF data review dated 24 January 2024

Coal Services

Coal Services

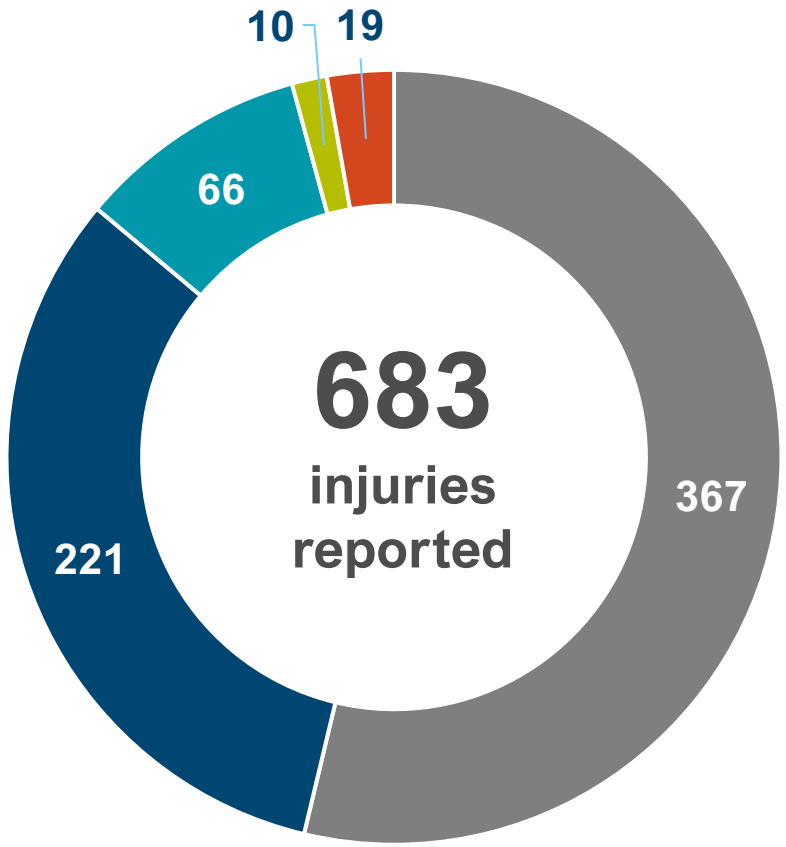
Coal Mines Insurance

Workers Compensation Claims and Injury Profile

NSW Coal Industry

Claims and injury profile from 1 July 2023 to 31 March 2024

Injuries by risk category



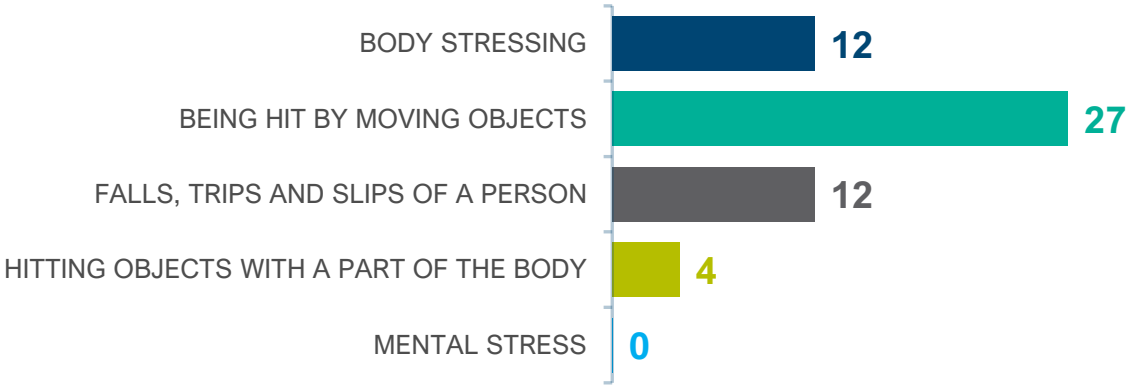
	Open Cut		Underground
Injuries reported	32%		54%
Avg. age at date of incident	46		44
Avg. cost incurred	$31,147		$16,874

Claims and injury profile (mechanism of injury)

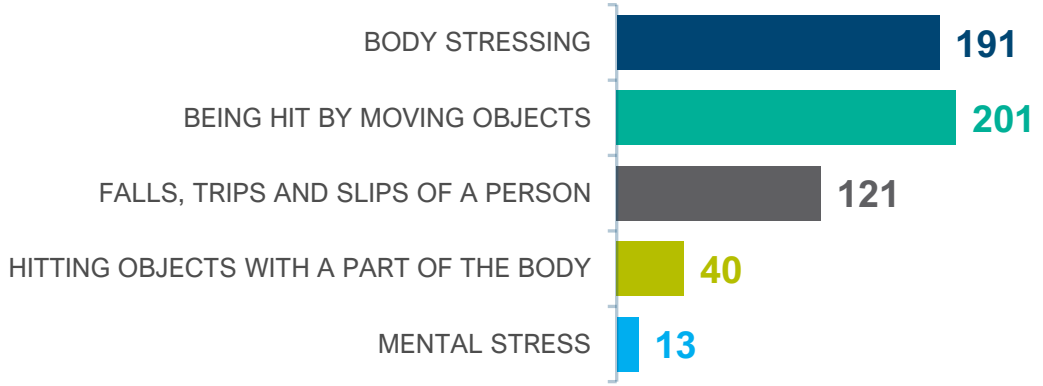
By age groups, data from 1 July 2019 to 31 March 2024

Coal Services

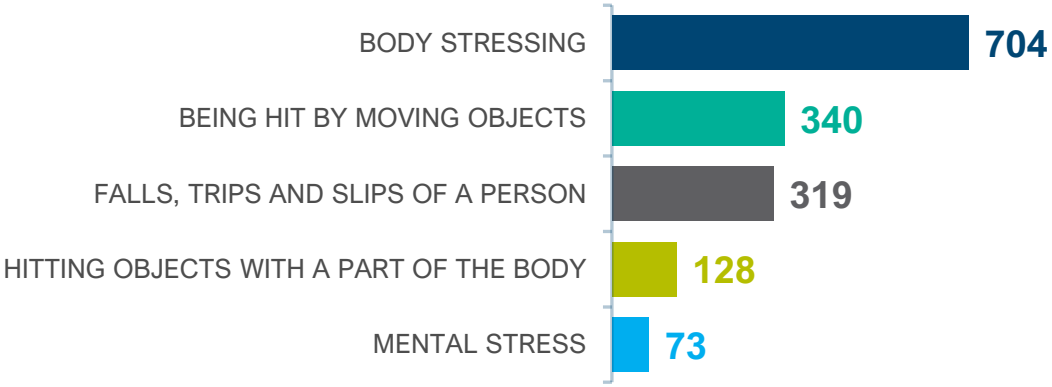
<20 years old
67 Claims



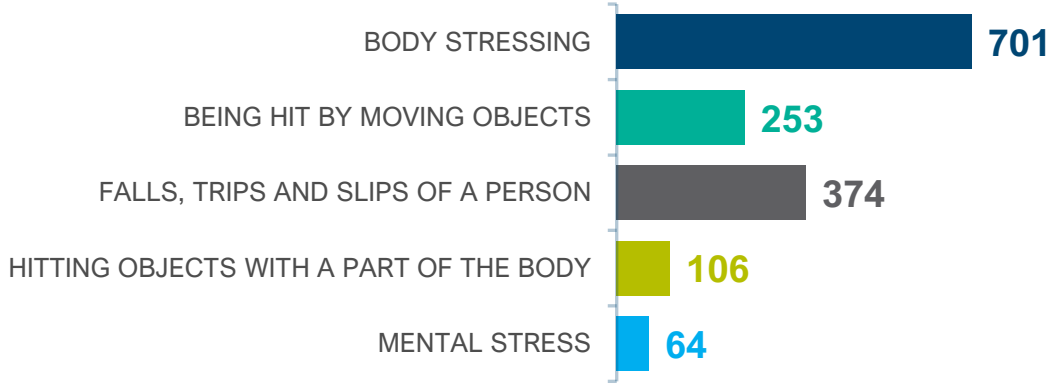
20-30 years old
659 claims



30-45 years old
1,838 claims



45-60 years old
1,762 claims

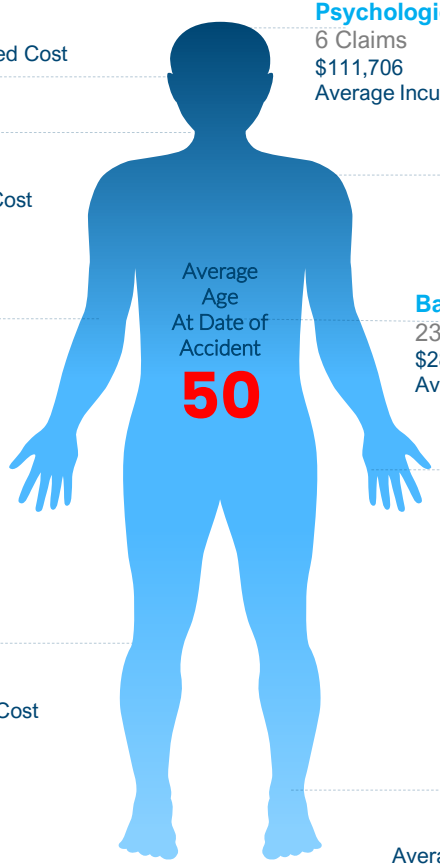


Open Cut – Mine Owners

Claims and average incurred cost (data as at 31 March 2024)

Coal Services

Body location (FY24)



Industrial Deafness
41 Claims
$4,523
Average Incurred Cost

Psychological
6 Claims
$111,706
Average Incurred Cost

Neck
18 Claims
$35,066
Average Incurred Cost

Shoulder
18 Claims
$37,106
Average Incurred Cost

Elbow
4 Claims
$4,605
Average Incurred Cost

Back & Trunk
23 Claims
$28,276
Average Incurred Cost

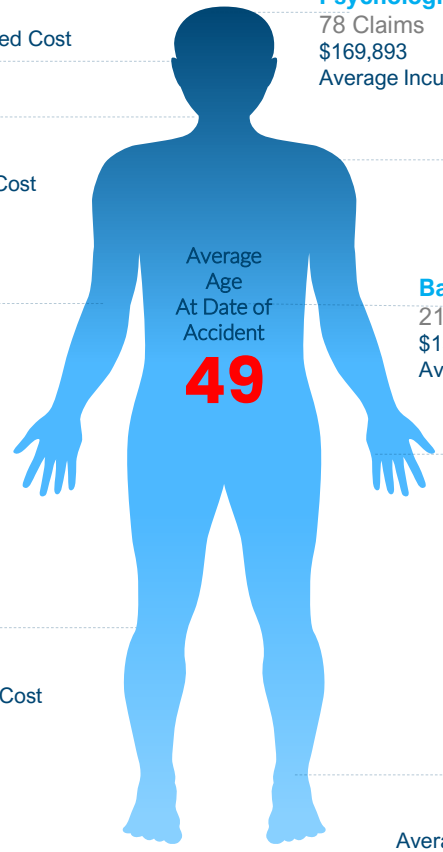
Hand / Wrist / Fingers
7 Claims
$22,957
Average Incurred Cost

Knee
9 Claims
$25,475
Average Incurred Cost

Ankle / Foot
6 Claims
$37,765
Average Incurred Cost

Nature & Conditions
6 Claims
$57,679 Average Incurred Cost

Body location (FY20 to FY24)



Industrial Deafness
241 Claims
$7,785
Average Incurred Cost

Psychological
78 Claims
$169,893
Average Incurred Cost

Neck
106 Claims
$157,309
Average Incurred Cost

Shoulder
107 Claims
$99,381
Average Incurred Cost

Elbow
22 Claims
$61,162
Average Incurred Cost

Back & Trunk
216 Claims
$138,165
Average Incurred Cost

Hand / Wrist / Fingers
103 Claims
$39,904
Average Incurred Cost

Knee
113 Claims
$58,661
Average Incurred Cost

Ankle / Foot
39 Claims
$153,870
Average Incurred Cost

Nature & Conditions
56 Claims
$114,713 Average Incurred Cost

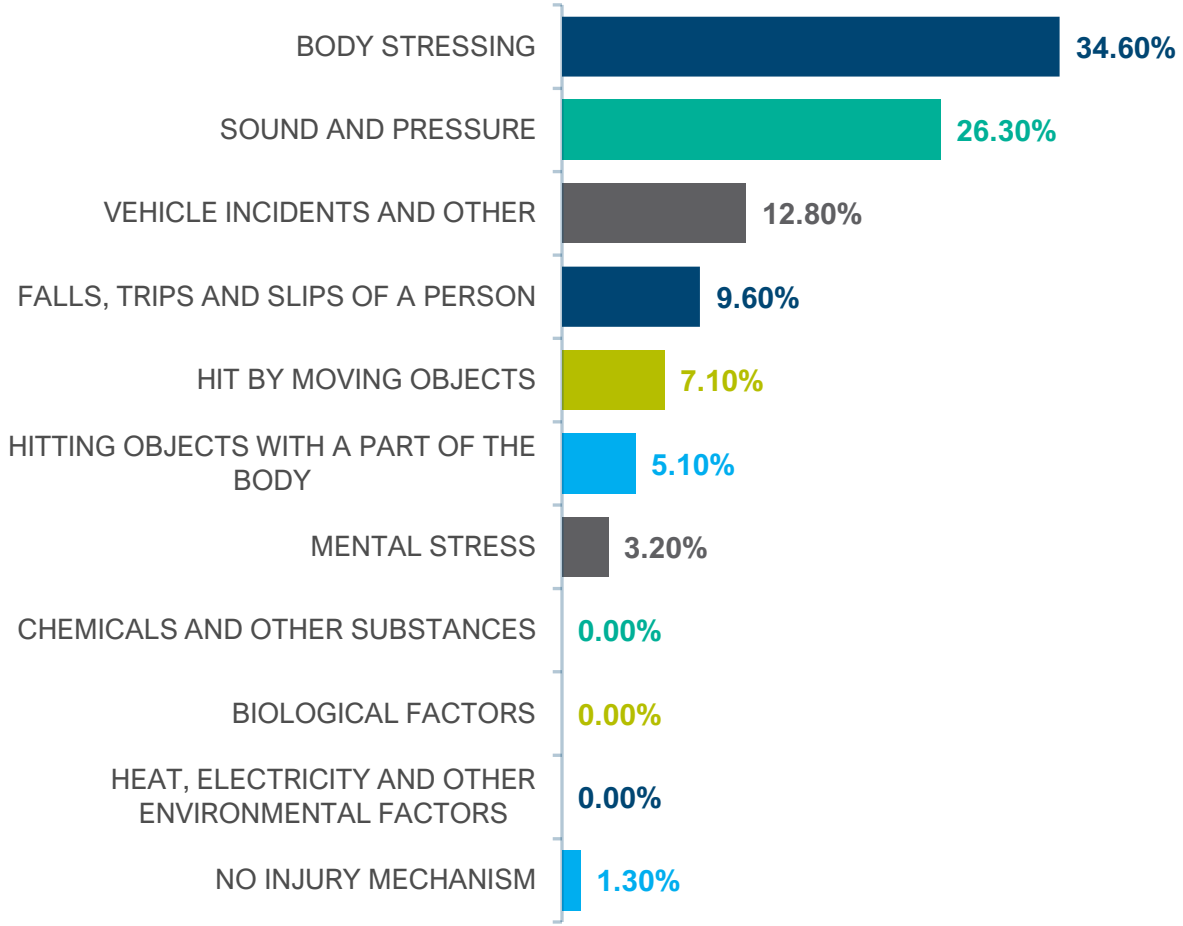
Open Cut – Mine Owners

Claims and average incurred cost (data as at 31 March 2024)

Coal Services

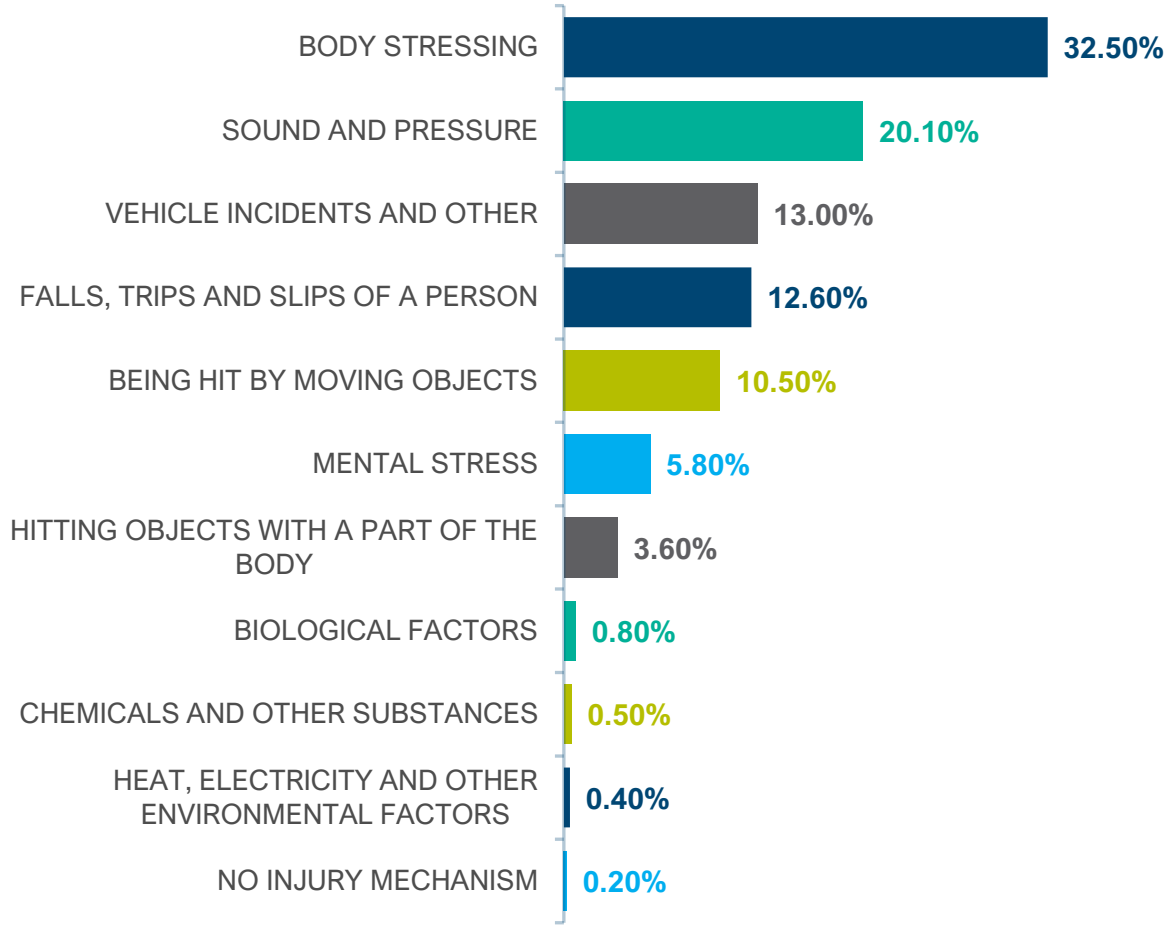
Mechanism of Injury (FY24)

156 claims



Mechanism of Injury (FY20 to FY24)

1,211 claims

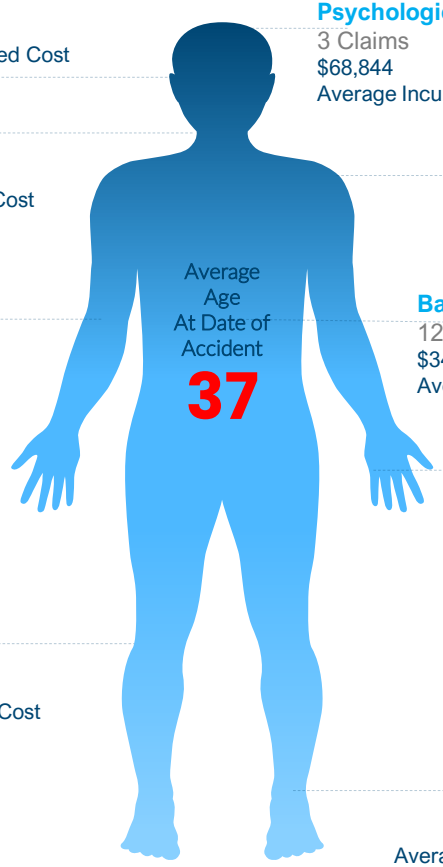


Open Cut – Contractors

Claims and average incurred cost (data as at 31 March 2024)

Coal Services

Body location (FY24)



Industrial Deafness
6 Claims
$9,902
Average Incurred Cost

Psychological
3 Claims
$68,844
Average Incurred Cost

Neck
4 Claims
$28,792
Average Incurred Cost

Shoulder
7 Claims
$2,362
Average Incurred Cost

Elbow
0 Claims
$0
Average Incurred Cost

Back & Trunk
12 Claims
$34,399
Average Incurred Cost

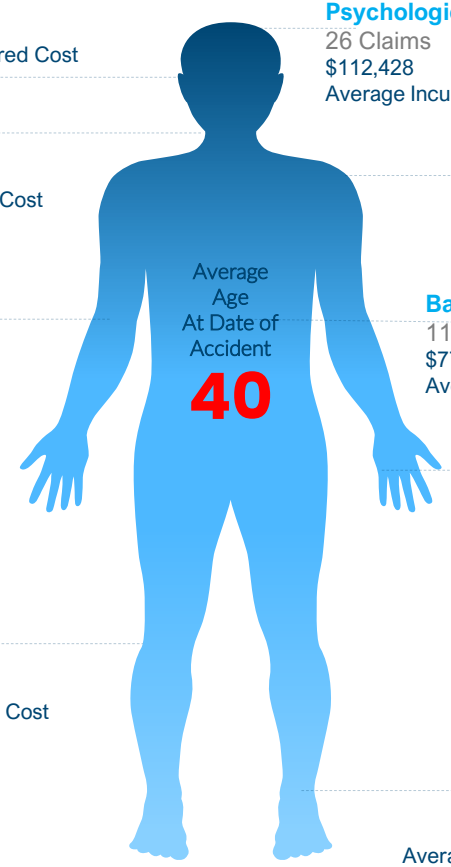
Hand / Wrist / Fingers
9 Claims
$18,195
Average Incurred Cost

Knee
7 Claims
$13,468
Average Incurred Cost

Ankle / Foot
7 Claims
$28,999
Average Incurred Cost

Nature & Conditions
0 Claims
$0 Average Incurred Cost

Body location (FY20 to FY24)



Industrial Deafness
45 Claims
$10,793
Average Incurred Cost

Psychological
26 Claims
$112,428
Average Incurred Cost

Neck
57 Claims
$29,257
Average Incurred Cost

Shoulder
54 Claims
$40,520
Average Incurred Cost

Elbow
11 Claims
$60,036
Average Incurred Cost

Back & Trunk
117 Claims
$77,583
Average Incurred Cost

Hand / Wrist / Fingers
61 Claims
$31,297
Average Incurred Cost

Knee
47 Claims
$45,601
Average Incurred Cost

Ankle / Foot
40 Claims
$32,213
Average Incurred Cost

Nature & Conditions
4 Claims
$93,104 Average Incurred Cost

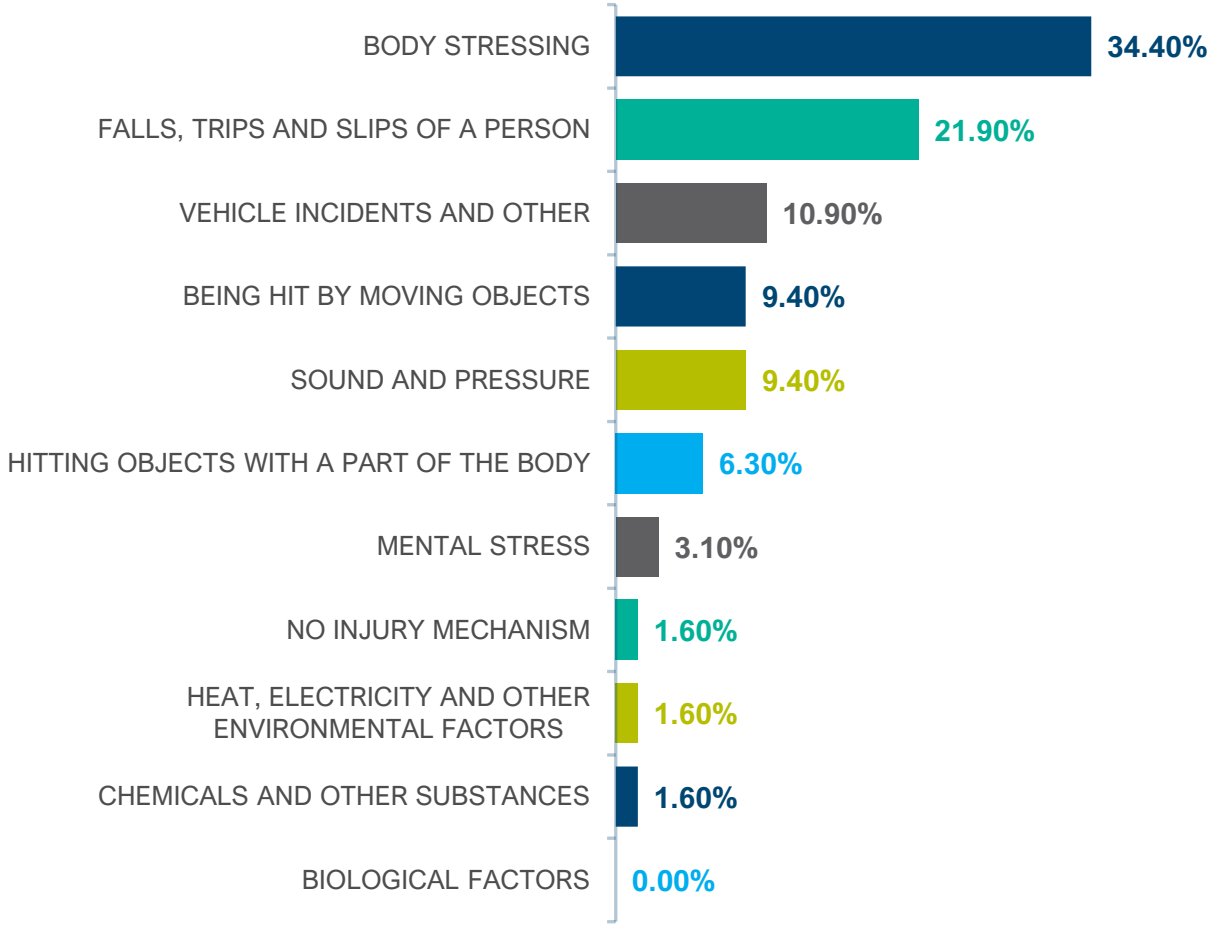
Open Cut – Contractors

Claims and average incurred cost (data as at 31 March 2024)

Coal Services

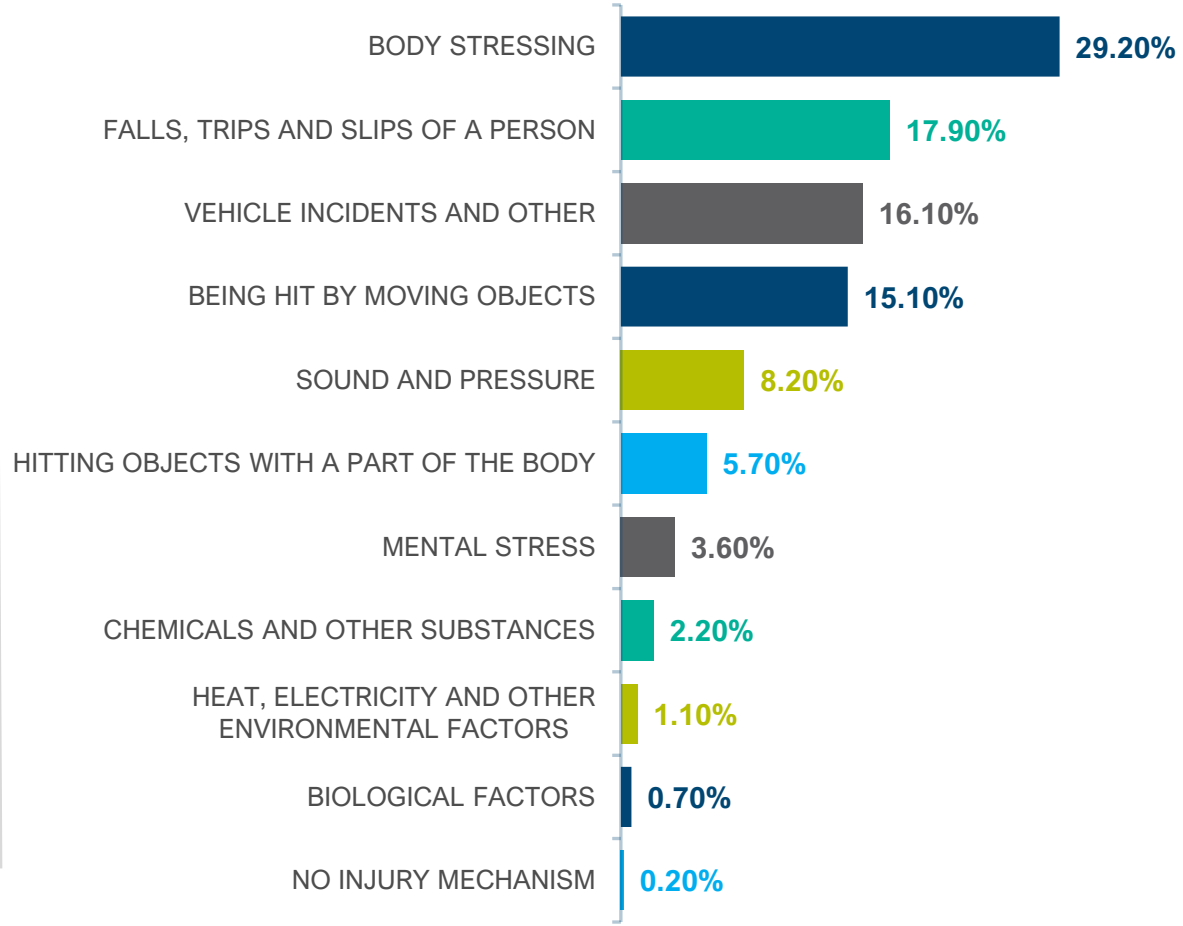
Mechanism of Injury (FY24)

64 claims



Mechanism of Injury (FY20 to FY24)

548 claims



Coal Services

Coal Services

Break – 10 mins

Coal Services

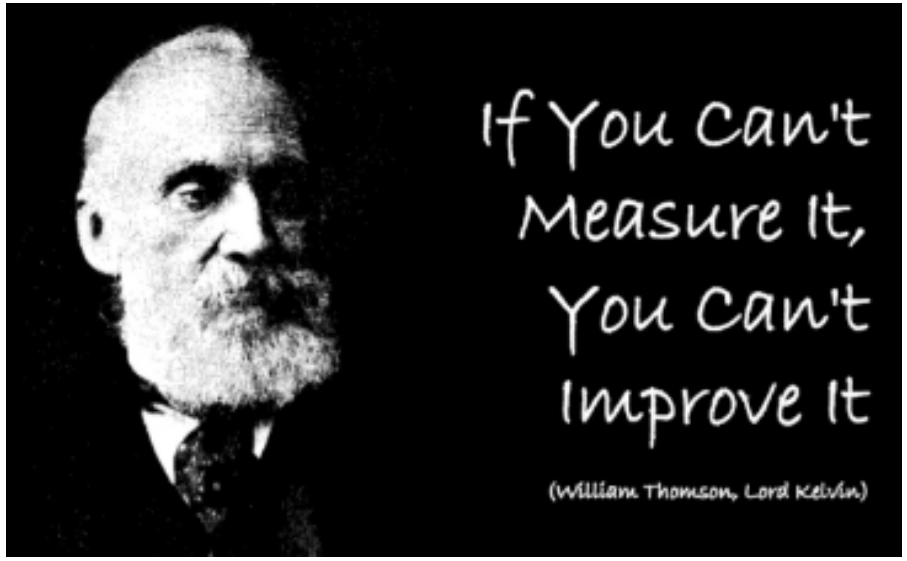
Training Compliance Reporting

Col Lawson – Hunter Valley Operations

HUNTER VALLEY
OPERATIONS

Management of Training Reporting Tools

I'll come back to this



The Why

As “training professionals” we function at the system process & levels in the management of all training at our operations, some do exceedingly well and, and some don’t. It’s not for the lack of trying as we all know what the expectation is under Order 34, reliable efficient reporting options available to us are one of number of factors at play here.

We all organise a manualised or Scheduled automatic report looking for skill currency and the expired so we can assign resources to address. Reporting on the TNA skills gap, the “blanks” I like to call them is another area we all investigate.

Coupled with the above, If we then include how many skilled operators required per each piece of equipment for production or other specific tasks on site it can become time consuming or even cumbersome to manage and what about budgeting forecasting.

Good reporting tools for live data that are easy to use or understand can assist us all drive improvement.

Potential Solution

The HVO HST Manager suggested I investigate the benefits of PowerBi as the Health & Safety(*The Dark Side*) had been developing reporting tools never seen or used before. I'd resisted for a few months until a demonstration by Dave Sullivan from "Data Inseyets" had provided an entirely new perspective. With Dave's mindset that "nothing in this space is impossible", we went to work.

PowerBi supplies us with data reporting in real-time. The functionality has removed the need to run those manualised or Scheduled automatic reports I mentioned previously. With good reliable data accessible to PowerBi for me the reporting opportunities are endless at the click of a button.

The varying reporting tools the Training Team has envisaged & put forward to Dave to create for the planning and delivery are things I'd never thought possible. What's even better is the they can be customised for presentations for communication to department stakeholders or access the applets themselves.

Demonstration

I might add, the I.T requests to have access to PowerBi HST data has increased significantly so much so it's forcing a change of stance in relation to access. The reason, the applets are simplistic to use and understand that non-training professionals can understand the data displayed.

A comment was made to me, “You’re doing yourself out of a job”. I personally don’t agree, What I have noticed is these reporting improvements have provided my team & I more time to devote to other areas of training management.

Rather than listening to my monotone voice that will eventually put you to sleep, I’ll demonstrate how the development of these reporting tools has assisted HVO in driving improvements in training.

Current	In Review	Expired	Target	Expired v Target
96.2%	1.4%	3.8%	4.0%	0.2%

Home Page

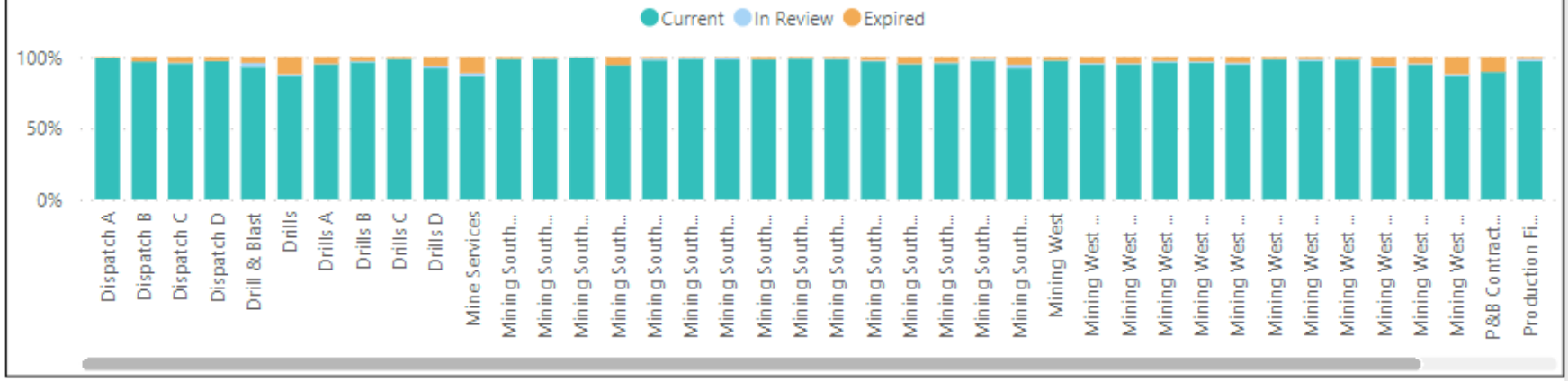
Grouped Departments

Department Grouped	Certs	Current	In Review	Expired	Exp v Tar
CHPP	12,371	96.3%	2.9%	3.7%	0.3%
Maintenance	28,254	93.9%	2.3%	6.1%	-2.1%
Mining	81,660	97.1%	0.8%	2.9%	1.1%
Other	6,419	94.0%	1.5%	6.0%	-2.0%
Total	**128,704**	**96.2%**	**1.4%**	**3.8%**	**0.2%**

Grouped Departments by Department

Department Grouped	Certs	Current	In Review	Expired	Exp v Tar
Mining	**81,660**	**97.1%**	**0.8%**	**2.9%**	**1.1%**
Mining	81,660	97.1%	0.8%	2.9%	1.1%
CHPP	**12,371**	**96.3%**	**2.9%**	**3.7%**	**0.3%**
CHPP	12,371	96.3%	2.9%	3.7%	0.3%
Other	**6,419**	**94.0%**	**1.5%**	**6.0%**	**-2.0%**
HR	110	97.3%		2.7%	1.3%
HST	1,455	94.9%	0.9%	5.1%	-1.1%
Commercial	1,757	94.9%	1.6%	5.1%	-1.1%
Projects	543	94.8%	0.7%	5.2%	-1.2%
HVO	684	93.3%	1.3%	6.7%	-2.7%
E&C	354	92.4%	2.0%	7.6%	-3.6%
Tech Services	1,516	92.1%	2.2%	7.9%	-3.9%
Maintenance	**28,254**	**93.9%**	**2.3%**	**6.1%**	**-2.1%**
Maintenance	28,254	93.9%	2.3%	6.1%	-2.1%
Total	**128,704**	**96.2%**	**1.4%**	**3.8%**	**0.2%**

All Crews



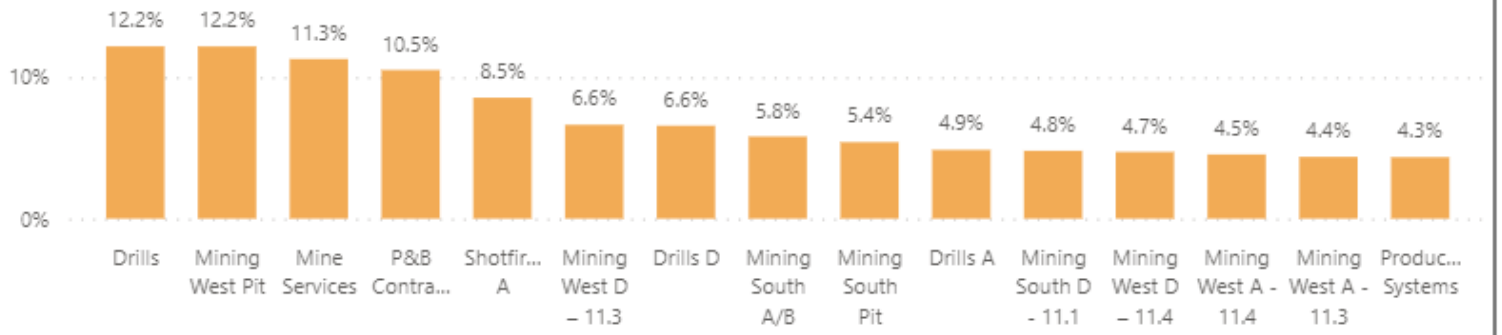
Departments

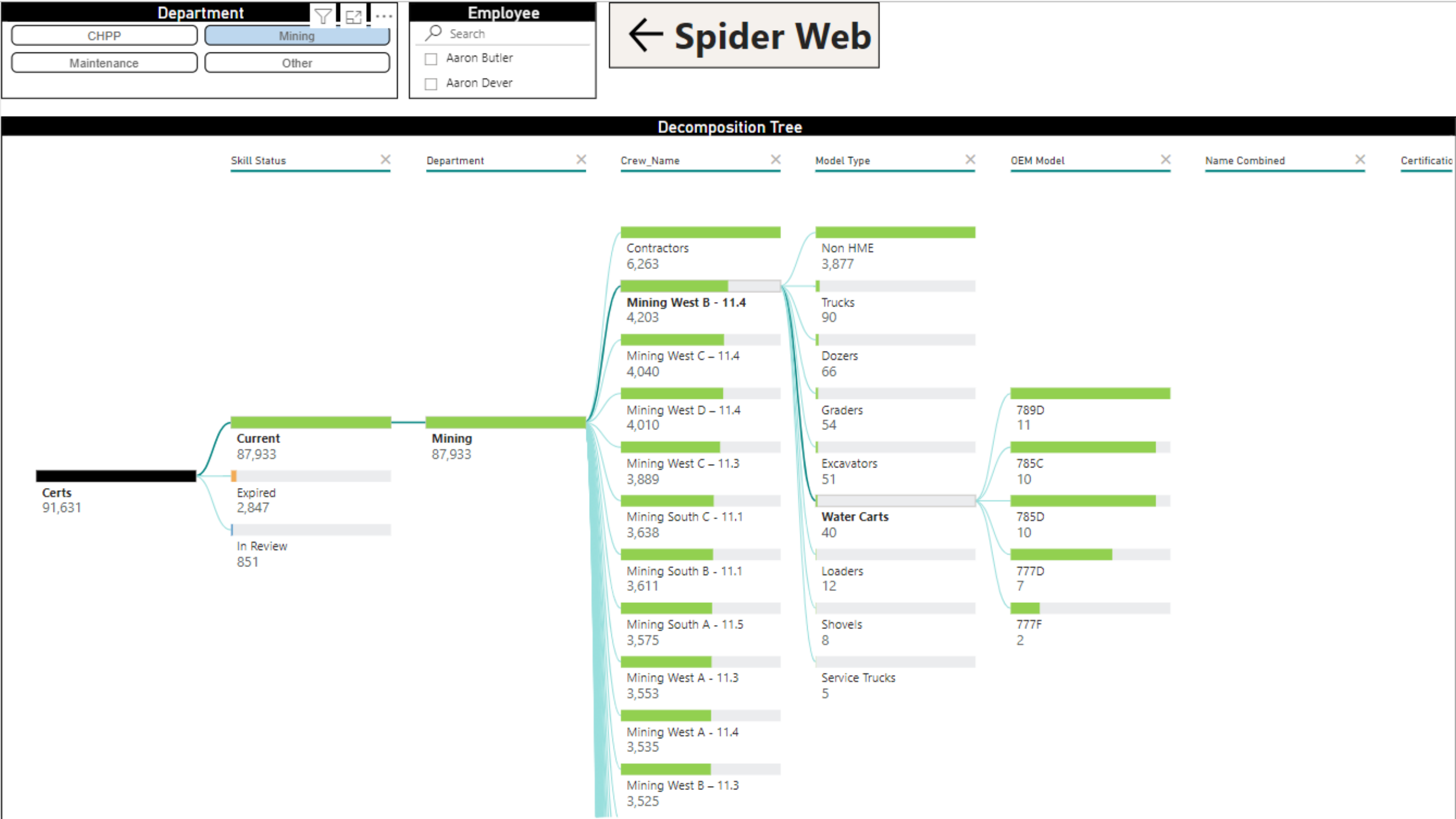
- CHPP
- HST
- Mining
- Commercial
- HVO
- Projects
- E&C
- Maintenance
- Tech Services
- HR

Crews by Status Percentages

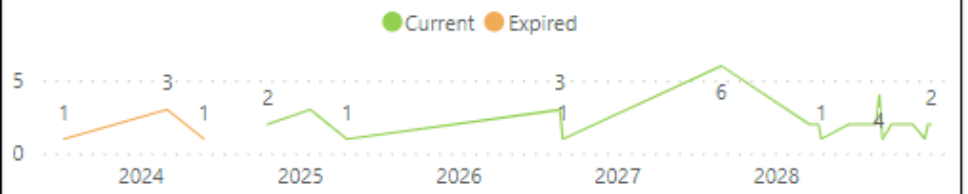
Crew_Name	Certs	Current	In Review	Expired	Exp v Tar
Drills	197	87.8%	1.0%	12.2%	-8.2%
Mining West Pit	271	87.8%	1.1%	12.2%	-8.2%
Mine Services	372	88.7%	2.4%	11.3%	-7.3%
P&B Contractors	628	89.5%		10.5%	-6.5%
Shotfiring A	1,579	91.5%	1.4%	8.5%	-4.5%
Mining West D – 11.3	3,646	93.4%	0.9%	6.6%	-2.6%
Drills D	943	93.4%	1.4%	6.6%	-2.6%
Mining South A/B	155	94.2%		5.8%	-1.8%
Mining South Pit	425	94.6%	2.6%	5.4%	-1.4%
Drills A	822	95.1%	0.2%	4.9%	-0.9%
Mining South D - 11.1	2,647	95.2%	0.2%	4.8%	-0.8%
Mining West D – 11.4	4,239	95.3%	0.8%	4.7%	-0.7%
Mining West A - 11.4	3,722	95.5%	0.6%	4.5%	-0.5%
Mining West A - 11.3	3,664	95.6%	0.8%	4.4%	-0.4%
Production Systems	184	95.7%	0.5%	4.3%	-0.3%
Drill & Blast	312	95.8%	2.9%	4.2%	-0.2%
Mining West B - 11.4	4,428	96.0%	1.1%	4.0%	0.0%
Dispatch C	176	96.0%	0.6%	4.0%	0.0%
Mining South D - 11.5	3,771	96.2%	0.7%	3.8%	0.2%
Dispatch B	123	96.7%		3.3%	0.7%
Mining West B – 11.3	3,823	96.8%	0.7%	3.2%	0.8%
Shotfiring B	1,496	97.0%	4.7%	3.0%	1.0%
Total	**81,660**	**97.1%**	**0.8%**	**2.9%**	**1.1%**

Top 15 Crews Expired %




Department
CHPP
Mining
Maintenance
Other
Employee
Search
Aaron Butler
Aaron Dever
Spider Web
Decomposition Tree
Skill Status
Department
Crew_Name
Model Type
OEM Model
Name Combined
Certificatio
Certs
91,631
Current
87,933
Expired
2,847
In Review
851
Mining
87,933
Contractors
6,263
Mining West B - 11.4
4,203
Mining West C – 11.4
4,040
Mining West D – 11.4
4,010
Mining West C – 11.3
3,889
Mining South C - 11.1
3,638
Mining South B - 11.1
3,611
Mining South A - 11.5
3,575
Mining West A - 11.3
3,553
Mining West A - 11.4
3,535
Mining West B – 11.3
3,525
Non HME
3,877
Trucks
90
Dozers
66
Graders
54
Excavators
51
Water Carts
40
Loaders
12
Shovels
8
Service Trucks
5
789D
11
785C
10
785D
10
777D
7
777F
2

Current State by Expiry Date



Statutory Roles

Certification Group by Status

Statutory Certificates	Current	Expired
OCE	95	5

Department

: All

Search

- Select all
- (Blank)
- CHPP
- Maintenance
- Mining
- Other

Select all | Drill & Blast | Electrical Engine... | Mechanical Engi... | Mine Engineerin... | OCE | Trainer & Assess...

Employees that have at least one Statutory Certification

Statutory Certificates	OCE		
Crew_Name	1038:AAA_QUAL_CERT_COMPETENCY_OPEN CUT EXAMINER (OCE)	10598:AA A_QUAL_CERT_PRACTICING CERT_OPEN CUT EXAMINER	45:HVOOC_APPOINTED_OPEN CUT EXAMINER (OCE)_STATUTORY
Mining South A/B			
Hayden Rhook	31/12/30	23/8/28	22/8/28
Todd McInnes	31/12/30	28/2/24	28/2/24
Mining South B - 11.1			
Jamie Simmons	31/12/30	22/8/26	28/8/26
Timothy Burg	31/12/30	10/3/29	10/3/29
Mining South C - 11.1			
Daniel Adams	31/12/30	27/8/27	27/8/27
Sean Costa	31/12/30	22/1/25	
Mining South C/D			
Anthony Hall	31/12/30	11/10/28	10/10/28
Bryan Armstrong	31/12/30	13/12/28	13/12/28
Jeffrey Gallagher	31/12/30	13/6/28	13/6/28
Mining South D - 11.1			
Charles Mackintosh	31/12/30	9/12/28	9/12/29
Ian Cocking	31/12/30	19/12/28	19/12/28
Mining South Pit			
Blaise Walters	31/12/30	16/4/28	
Darryl Hancock	31/12/30	16/10/24	16/10/24
David Madden	31/12/30	24/10/28	24/10/28
Mark Gageler	31/12/30	3/7/28	3/7/28
Mining West			
Patrick Lynch	31/12/30	15/4/25	31/12/30
Rick Hawkins	31/12/30	6/2/29	31/12/30

Crew

: All

Search

- Select all
- CAT B HVO
- Drill and Blast Planning
- Drills
- Hunter Valley Operations
- Mine Services
- Mining South A - 11.1
- Mining South A/B

Name

: All

Search

- Select all
- Anthony Hall
- Blaine Renfrey
- Blaise Walters
- Bryan Armstrong
- Charles Mackintosh
- Christopher Bateman
- Corey Ayre
- Dale Simpson
- Daniel Adams

Tiffs Skills Matrix

Department : Mining
Search
- [x] Select all
- [ ] (Blank)
- [ ] CHPP
- [ ] Maintenance
- [x] Mining

Crew : All
Search
- [ ] Select all
- [ ] Contractors
- [ ] Dispatch A
- [ ] Dispatch B
- [ ] Dispatch C

Employee : All
Search
- [ ] Aaron Butler
- [ ] Aaron Dever
- [ ] Aaron Fox
- [ ] Aaron Fraser
- [ ] Aaron Kenny

Employee Type : Employee
- [x] Employee
- [ ] New Starter

Drill : Drill & Blast
Search
- [x] Select all
- [x] Drill & Blast

Worker Type : All
Search
- [ ] Select all
- [ ] Category A
- [ ] Category B
- [ ] Employee

Skills_Procedure : Multiple selections
Search
- [x] Select all
- [x] Procedure
- [x] Skills

Equipment : All
Search
- [ ] Select all
- [ ] Light Vehicle
- [ ] Forklifts,Overhead...
- [ ] Forklifts,EWP Stan...

Certifications by Employee

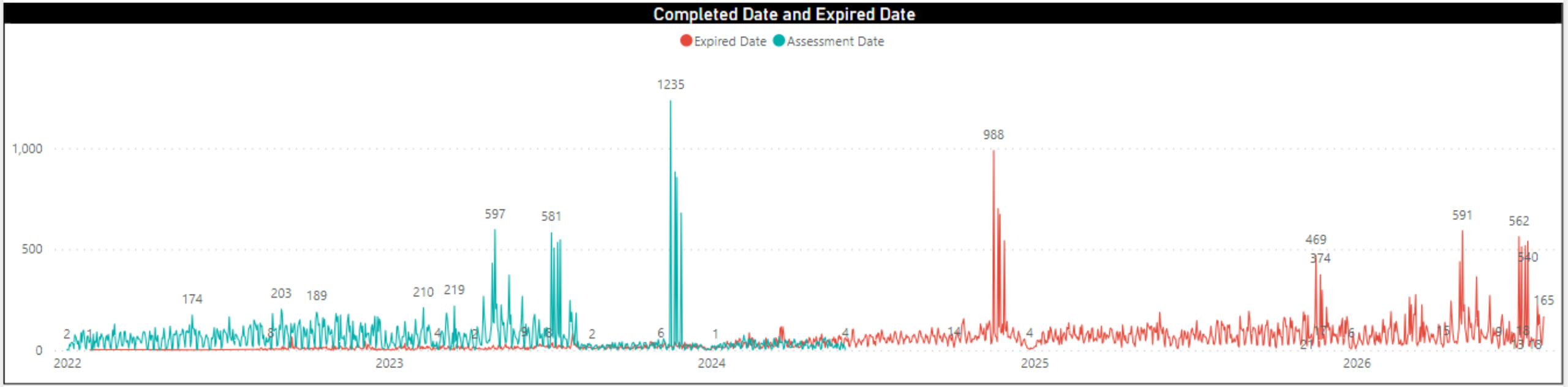
Name Combined	8595:AAA_TRAINING_OPERATE LIGHT VEHICLE MODULE ONE_E LEARNING	8597:AAA_TRAINING_OPERATE LIGHT VEHICLE MODULE THREE_E LEARNING	8596:AAA_TRAINING_OPERATE LIGHT VEHICLE MODULE TWO_E LEARNING	11659:HVOOC_H&S_HSMS_PCP_EMERGENCY MANAGEMENT	12529:HVOOC_H&S_HSMS_PHMP_AIRBORNE CONTAMINANTS	12865:HVOOC_H&S_HSMS_PHMP_FIRE OR EXPLOSION	11496:HVOOC_H&S_HSMS_PHMP_SPONTANEOUS COMBUSTION	11497:HVOOC_H&S_HSMS_PHMP_SURFACE TRANSPORT	8354:HVOOC_SITE AUTH_OPERATE LIGHT VEHICLE MODULE ONE	8356:HVOOC_SITE AUTH_OPERATE LIGHT VEHICLE MODULE THREE	8355:HVOOC_SITE AUTH_OPERATE LIGHT VEHICLE MODULE TWO	2636:HVOOC_SITE AUTH_INDIVIDUAL ISOLATION	12947:HVOOC_TRAINING_DEFECT MANAGEMENT	12472:HVOOC_TRAINING_EQUIP_STAND DOWN CRITERIA	9846:HVOOC_TRAINING_HIERARCHY TRANSPORT RULES	11840:HVOOC_TRAINING_ISOLATION	12871:HVOOC_TRAINING_PERSONAL ELECTRONIC DEVICE PROCEDURE (PED)	137 OOC ININ SPI PRC C PRC R Pl
Aaron Butler				11/4/25	11/4/25		11/4/25	11/4/25					31/12/30	21/5/25				
Aaron Dever	31/12/30	31/12/30	31/12/30	30/1/27	22/11/26	22/11/26	29/8/26	30/1/27	5/5/25	5/5/25	5/5/25	5/5/25	31/12/30	12/9/26		8/7/25	7/7/26	12
Aaron Fox	31/12/30	31/12/30	31/12/30	27/6/26	16/10/26		19/12/23	27/6/26	6/9/25	6/9/25	6/9/25	6/9/25	31/12/30	8/12/24		9/12/24	16/10/26	
Aaron Fraser	31/12/30	31/12/30	31/12/30	1/6/26	1/6/26	30/10/26	1/6/26	5/6/26	19/6/26	19/6/26	19/6/26	31/10/26	31/12/30	2/6/26		1/6/26	11/7/26	2/
Aaron Kenny	31/12/30	31/12/30	31/12/30	25/10/25	25/10/25	18/10/25	25/10/25	25/10/25				20/10/25	31/12/30	25/10/25		20/10/25	7/7/26	24/
Aaron Moase	31/12/30	31/12/30	31/12/30	11/4/26	11/4/26	11/4/26	11/4/26	11/4/26	5/1/27	5/1/27	5/1/27	4/4/26	31/12/30	5/4/26		4/1/27	14/7/26	4/
Aaron Rambaugh	31/12/30	31/12/30	31/12/30	22/2/25	22/2/25	16/2/25	22/2/25	22/2/25	31/3/25	31/3/25	31/3/25	15/2/25	31/12/30	22/2/25		15/2/25	14/7/26	4/
Aaron Smith	31/12/30	31/12/30	31/12/30	20/10/26	5/11/23		20/10/26	8/12/23	23/5/25	23/5/25	23/5/25	15/8/25	31/12/30	8/12/23		8/12/23	11/7/26	
Aaron Taylor	31/12/30	31/12/30	31/12/30	22/4/26	16/2/27	30/4/27	16/2/27	1/5/27	1/5/27	1/5/27	1/5/27	1/5/27	31/12/30	13/2/24		30/4/27	9/8/26	30/
Adam Basista	31/12/30	31/12/30	31/12/30	1/9/25	1/9/25	22/8/25	1/9/25	1/9/25	31/10/25	31/10/25	31/10/25	31/8/25	31/12/30	1/9/25		26/8/25	14/7/26	5/
Adam Gunster	31/12/30	31/12/30	31/12/30	21/4/24	21/4/24	19/4/24	26/4/24	22/4/24	9/8/25	9/8/25	9/8/25	9/8/25	31/12/30	20/4/24		22/4/24	27/7/26	
Adam Hetherington	31/12/30	31/12/30	31/12/30	13/11/26	13/11/26	3/1/27	13/11/26	13/11/26	22/1/27	22/1/27	22/1/27	2/3/26	31/12/30	3/5/24		3/5/24	14/7/26	13/
Adam Hewitt	31/12/30	31/12/30	31/12/30	27/10/26	7/11/26	24/10/26	7/11/26	14/5/25	14/5/25	14/5/25	14/5/25	14/5/25	31/12/30	27/2/27		14/5/25	1/9/26	27/
Adam Keenan	31/12/30	31/12/30	31/12/30	19/6/26	10/11/26	24/11/26	14/4/27	19/2/27	1/8/25	1/8/25	1/8/25	23/2/26	31/12/30	19/2/27		18/2/27	4/7/26	24/
Adam Merchant	31/12/30	31/12/30	31/12/30	28/7/23	20/11/23		21/11/23	28/7/23	13/8/25	13/8/25	13/8/25	2/3/26	31/12/30	26/1/27		26/1/27	14/7/26	
Adam Sellers	31/12/30	31/12/30	31/12/30	7/11/25	7/11/25	2/11/25	7/11/25	7/11/25	4/11/25	4/11/25	4/11/25	4/11/25	31/12/30	7/11/25		3/11/25	4/7/26	1/1
Aden Hesketh	31/12/30	31/12/30	31/12/30	23/8/26	23/8/26	23/8/26	23/8/26	23/8/26	20/1/27	20/1/27	20/1/27	25/8/26	31/12/30	23/8/26		22/8/26	24/8/26	23/
Adilson Braga	31/12/30	31/12/30	31/12/30	9/3/26	9/3/26	9/3/26	9/3/26	14/3/26	23/7/26	23/7/26	23/7/26	9/3/26	31/12/30	8/3/26		8/3/26	7/7/26	3/
Adon Knight-Hall	31/12/30	31/12/30	31/12/30	28/4/26	28/4/26	3/5/26	2/5/26	3/5/26	22/5/26	22/5/26	22/5/26		31/12/30	16/10/26		16/10/26	11/7/26	16/
Adrian Bardot	31/12/30	31/12/30	31/12/30	8/11/26	8/11/26	8/11/26	8/11/26	8/11/26	11/12/26	11/12/26	11/12/26	10/11/26	31/12/30	7/11/26		7/11/26	10/11/26	7/1
Adrian Hoffman	31/12/30	31/12/30	31/12/30	27/10/25	27/10/25	18/10/25	27/10/25	27/10/25	23/10/25	23/10/25	23/10/25	5/12/25	31/12/30	27/10/25		19/10/25	28/7/26	20/

← ENA - Summary →

Dozers	Drills	Excavators	Graders	Loaders	Service Trucks	Scrapers	Shovels	Trucks	Water Carts
3.00	3.00	5.00	2.50	3.00	2.50	2.50	2.70	2.50	3.00

Crew_ENA	A Crew				B Crew				C Crew				D Crew				Relief South				Total			
Pit	Units	Emp	Skill Req	Skill Diff	Units	Emp	Skill Req	Skill Diff	Units	Emp	Skill Req	Skill Diff	Units	Emp	Skill Req	Skill Diff	Units	Emp	Skill Req	Skill Diff	Units	Emp	Skill Req	Skill Diff
South	**104**	**109**		**109**	**104**	**106**		**106**	**104**	**100**		**100**	**104**	**96**		**96**	**104**	**41**		**41**	**104**	**452**		**452**
Dozers	15	45	45	0	15	44	45	-1	15	46	45	1	15	43	45	-2	15	2	45	-43	**15**	**180**	**45**	**135**
Drills	4	1	12	-11	4		12	-12	4	1	12	-11	4		12	-12	4		12	-12	**4**	**2**	**12**	**-10**
Excavators	7	26	35	-9	7	20	35	-15	7	21	35	-14	7	19	35	-16	7	1	35	-34	**7**	**87**	**35**	**52**
Graders	6	20	15	5	6	17	15	2	6	14	15	-1	6	21	15	6	6		15	-15	**6**	**72**	**15**	**57**
Loaders	2	6	6	0	2	9	6	3	2	9	6	3	2	11	6	5	2		6	-6	**2**	**35**	**6**	**29**
Scrapers	2	7	5	2	2	4	5	-1	2	2	5	-3	2	5	5	0	2		5	-5	**2**	**18**	**5**	**13**
Service Trucks	3	5	8	-3	3	5	8	-3	3	6	8	-2	3	4	8	-4	3		8	-8	**3**	**20**	**8**	**12**
Shovels	2	10	5	5	2	10	5	5	2	9	5	4	2	7	5	2	2		5	-5	**2**	**36**	**5**	**31**
Trucks	57	100	143	-43	57	103	143	-40	57	95	143	-48	57	94	143	-49	57	40	143	-103	**57**	**432**	**143**	**290**
Water Carts	6	27	18	9	6	30	18	12	6	32	18	14	6	32	18	14	6	2	18	-16	**6**	**123**	**18**	**105**
West	**79**	**92**		**92**	**79**	**90**		**90**	**79**	**98**		**98**	**79**	**92**		**92**					**79**	**372**		**372**
Dozers	15	31	45	-14	15	31	45	-14	15	35	45	-10	15	35	45	-10	15		45	-45	**15**	**132**	**45**	**87**
Drills	4		12	-12	4		12	-12	4		12	-12	4	1	12	-11	4		12	-12	**4**	**1**	**12**	**-11**
Excavators	6	12	30	-18	6	20	30	-10	6	20	30	-10	6	18	30	-12	6		30	-30	**6**	**70**	**30**	**40**
Graders	5	15	13	2	5	17	13	4	5	15	13	2	5	18	13	5	5		13	-13	**5**	**65**	**13**	**53**
Loaders	3	15	9	6	3	13	9	4	3	11	9	2	3	9	9	0	3		9	-9	**3**	**48**	**9**	**39**
Scrapers	2	4	5	-1	2	1	5	-4	2	4	5	-1	2	3	5	-2	2		5	-5	**2**	**12**	**5**	**7**
Service Trucks	1	5	3	2	1	5	3	2	1	5	3	2	1	5	3	2	1		3	-3	**1**	**20**	**3**	**18**
Shovels	0	3	0	3	0	3	0	3	0	2	0	2	0	3	0	3	0		0	0	**0**	**11**	**0**	**11**
Trucks	38	90	95	-5	38	88	95	-7	38	91	95	-4	38	89	95	-6	38		95	-95	**38**	**358**	**95**	**263**
Water Carts	5	27	15	12	5	24	15	9	5	18	15	3	5	33	15	18	5		15	-15	**5**	**102**	**15**	**87**
Total	**183**	**201**		**201**	**183**	**196**		**196**	**183**	**198**		**198**	**183**	**188**		**188**	**183**	**41**		**41**	**183**	**824**		**824**

Completed Date Compared to Expiry Date



Department

: All

Search

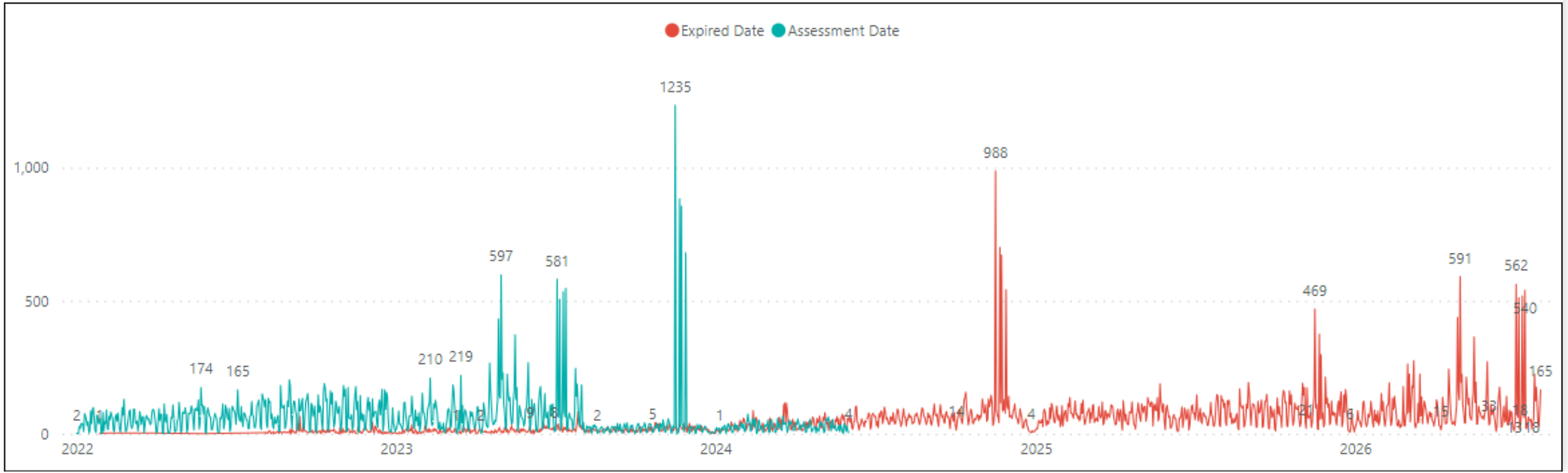
- Select all
- (Blank)
- CHPP
- Maintenance
- Mining

Worker Type

: All

Search

- Select all
- Category A
- Category B
- Employee



Budget Forecasting Work Safety At Heights

Forecasted Cost and People by FY

FY	FY-22		FY-23		FY-24		FY-25		FY-26		FY-27		Total
Department Grouped	People	Cost	People	Cost	People	Cost	People	Cost	People	Cost	People	Cost	People
CHPP			8	$1,160	15	$2,175	22	$3,190	25	$3,625	18	$2,610	88
Maintenance	1	$145	5	$725	44	$6,380	104	$15,080	78	$11,310	32	$4,640	264
Mining			1	$145	10	$1,450	11	$1,595	8	$1,160	2	$290	32
Other			48	$6,960	160	$23,200	218	$31,610	78	$11,310	19	$2,755	523
Total	**1**	**$145**	**62**	**$8,990**	**229**	**$33,205**	**355**	**$51,475**	**189**	**$27,405**	**71**	**$10,295**	**907**

Total Cost

$131,515
Cost

Forecasted Cost and People by FY

FY	FY-23		FY-24		FY-25		FY-26		FY-27		Total	
Crew_Name	People	Cost	People	Cost	People	Cost	People	Cost	People	Cost	People	Cost
Ancillary Equip A	1	$145	1	$145	2	$290	4	$580	2	$290	10	$1,450
Ancillary Equip B			2	$290	4	$580	3	$435	1	$145	10	$1,450
Ancillary Equip C			3	$435	1	$145	4	$580	2	$290	10	$1,450
Ancillary Equip D					6	$870	1	$145	4	$580	11	$1,595
Apprentices			3	$435	5	$725	7	$1,015	2	$290	17	$2,465
CAT B HVO	48	$6,960	160	$23,200	214	$31,030	78	$11,310	19	$2,755	519	$75,255
CHPP Electrical Engin...					1	$145					1	$145
CHPP Facilities					1	$145					1	$145
CHPP Maint Planning					4	$580	1	$145	1	$145	6	$870
Total	**62**	**$8,990**	**229**	**$33,205**	**355**	**$51,475**	**189**	**$27,405**	**71**	**$10,295**	**907**	**$131,515**

Cost and People

Past

260
People

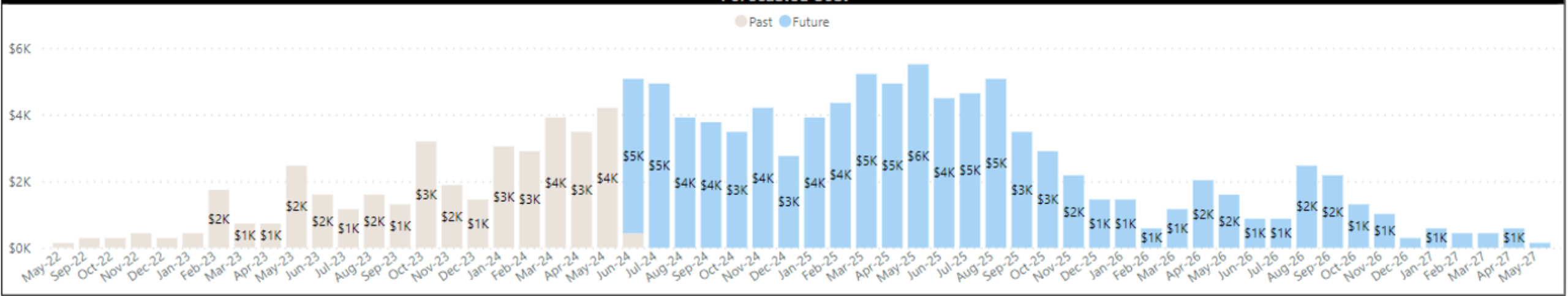
$37,700
Cost

Future

647
People

$93,815
Cost

Forecasted Cost



TNA Performance and Compliance Summary

Certs IDs	Employees	Certs Issued
944	1.2K	200K

Obtained	Not Obtained	Compliance
65K	135K	32.4%

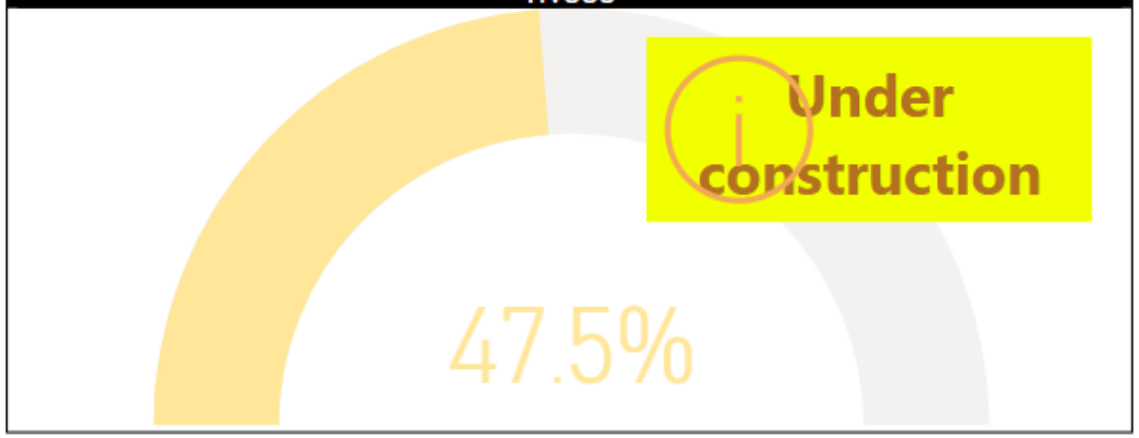
Cert IDs Current	Cert IDs Expired
61.2K	2.7K

Cert IDs In Review	Cert IDs Not Obtained
0.7K	135.1K

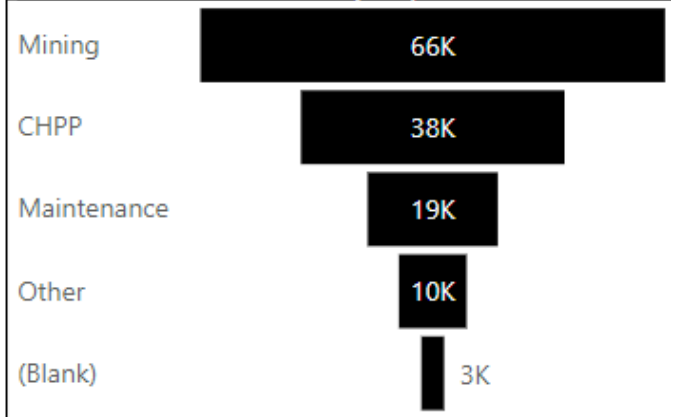
Level

M | WT | E

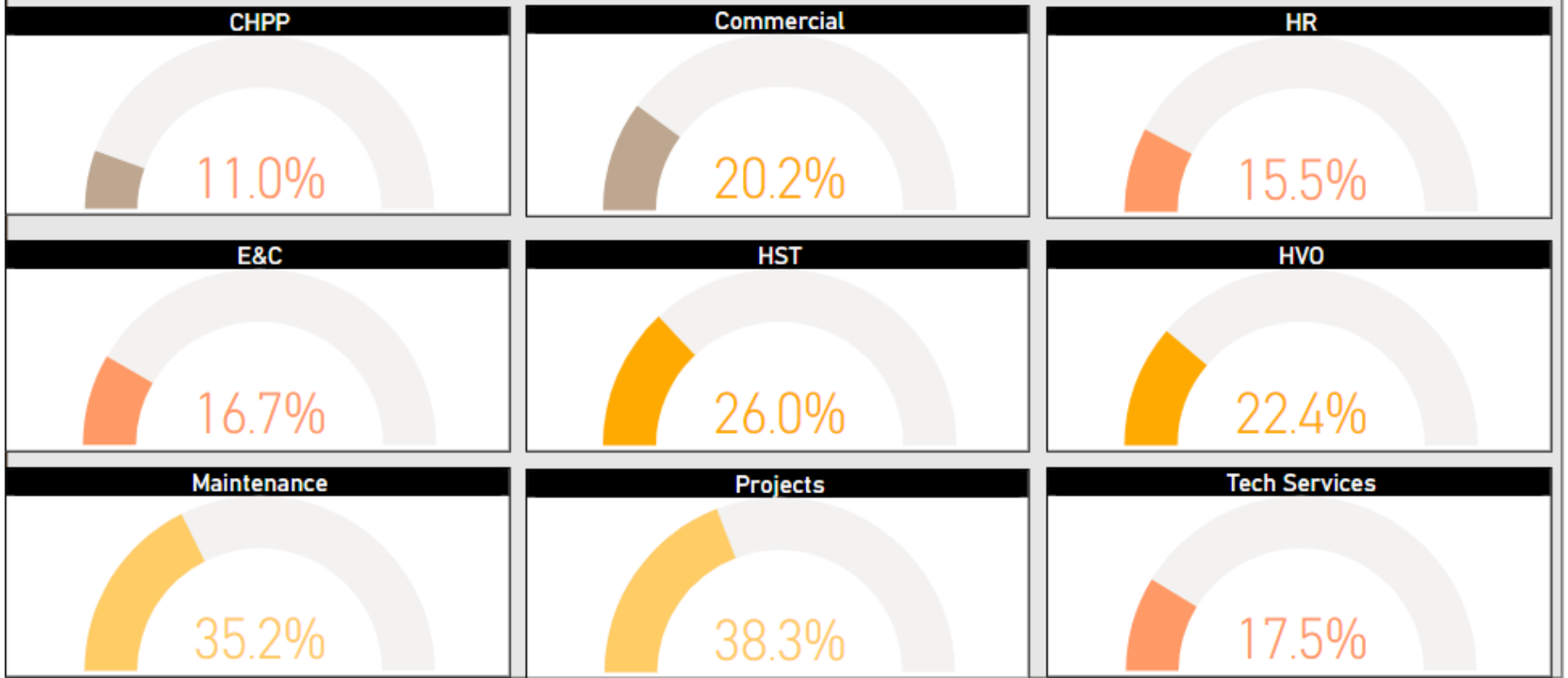
HVOOC



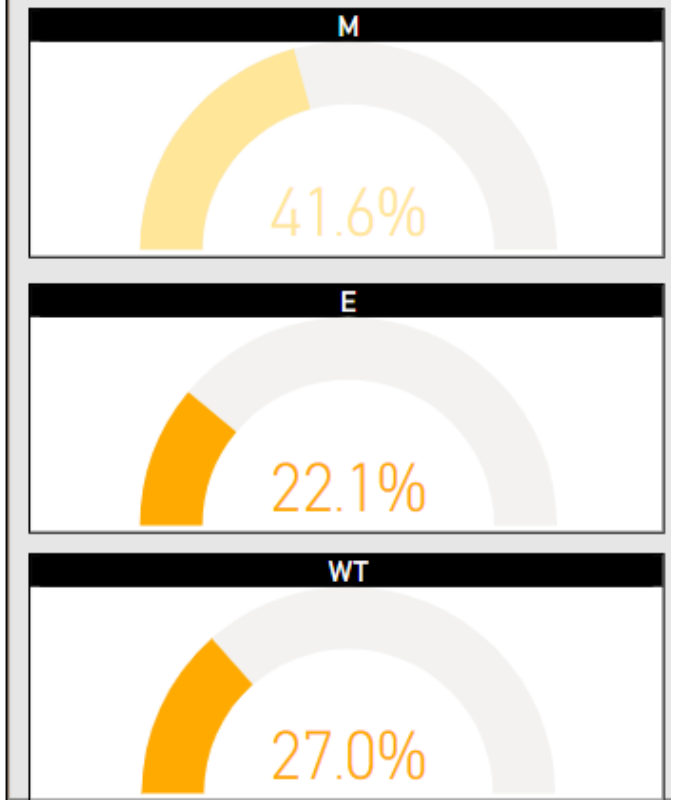
Not Obtained by Department



Departments



Levels



Data Inseyets
WE CONNECT DATA

Our time at HVO has seen us develop automated solutions in….

- HST Department
  - Training reporting platform > TNA in progress
  - Weekly HST report
  - Monthly HST report
  - Quarterly HST report
  - Controlled Document interactive tool
  - TVL (Safety Interaction) Allocation Tool + reporting
  - CMO Data Quality Assessment tool (TBC)
  - Safety reporting platform
  - Health reporting platform
- HR Department
  - Attendance Management (workforce) reporting
- Business Improvement Department
  - Self Fuelling project reporting

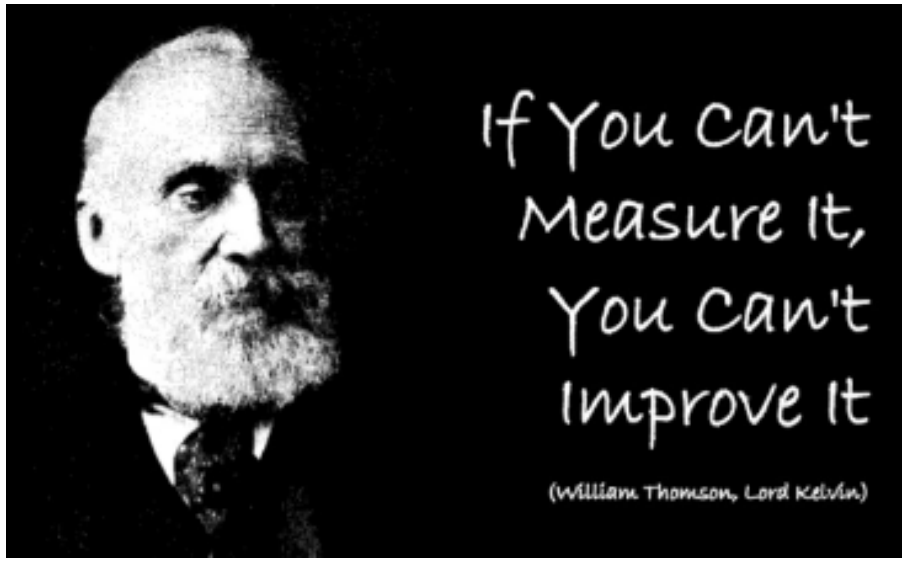
We also have ongoing work at….

- Glencore
  - Mt Owen / Glendell – HST Department
  - UWJC – HST Department
  - Ravensworth (scoping now)
- Yancoal
  - Moolarben – HST Department
- We have developed an in-house Teams to Power BI Report.

Our Value: we provide common sense but reliable data solutions that are easy to use and make sense to the end users.

We can also develop in Power Automate with Power Apps capability being added internally in the near future.

Remember this?



With the tools that sites are developing within the PowerBi space, the measuring part just got easier.

HUNTER VALLEY
OPERATIONS

Coal Services

Coal Services

Networking Activity

Speed Meeting

Speed Meeting

Coal Services

How does it work?

1. Split into 3 groups
   (use 2nd, middle and last row of tables and turn around from the row in front)
2. Set up with everyone standing facing someone and ability to move clock-wise
3. You will have 1.5 mins with each person

Questions to ask:

1. What is your name, role and site?
2. How long have you been working in this job and in mining?
3. What is your favorite—and least favorite—part of your job?
4. What would you change about your job if you could?

Coal Services

Lunch Break - 30 mins

Coal Services

Order 34 Kahoot Challenge

Order 34

Coal Services

Ready…
Set….

- ✓ Competing in groups of 4 **- one device per group**
- ✓ **Pick a team name and nominate a captain** who will enter your team answers via the device
- ✓ There will be **10 questions** about Coal Services and Order 34
- ✓ Answer all questions within the given time limit. Points are awarded based on correct answers and speed

GO!

- ✓ Have some fun, collaborate, and uncover how well everyone knows Order 34
- ✓ There is a prize for the winning team, so it's GAME ON!

Coal Services

Paperless Training and Assessment in Operation

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LAAMP

Introducing LAAMP to Industry

5-6 June 2024, NSW Coal Services, Singleton

Discover • Accountable • Respectful

Introduction…

- 15 years in delivery of infrastructure projects
- 5 years in delivering operational systems transformation

THIESS
Group Manager
Business Optimisation

- 20 years in project delivery heavy Industries and Software
- 7 years delivering IT solution to industry

THIESS
Business
Development

- 19 years in mining and resources, focused on Training, Development & Safety
- 7 years at LAAMP

LAAMP
CEO
& Founder

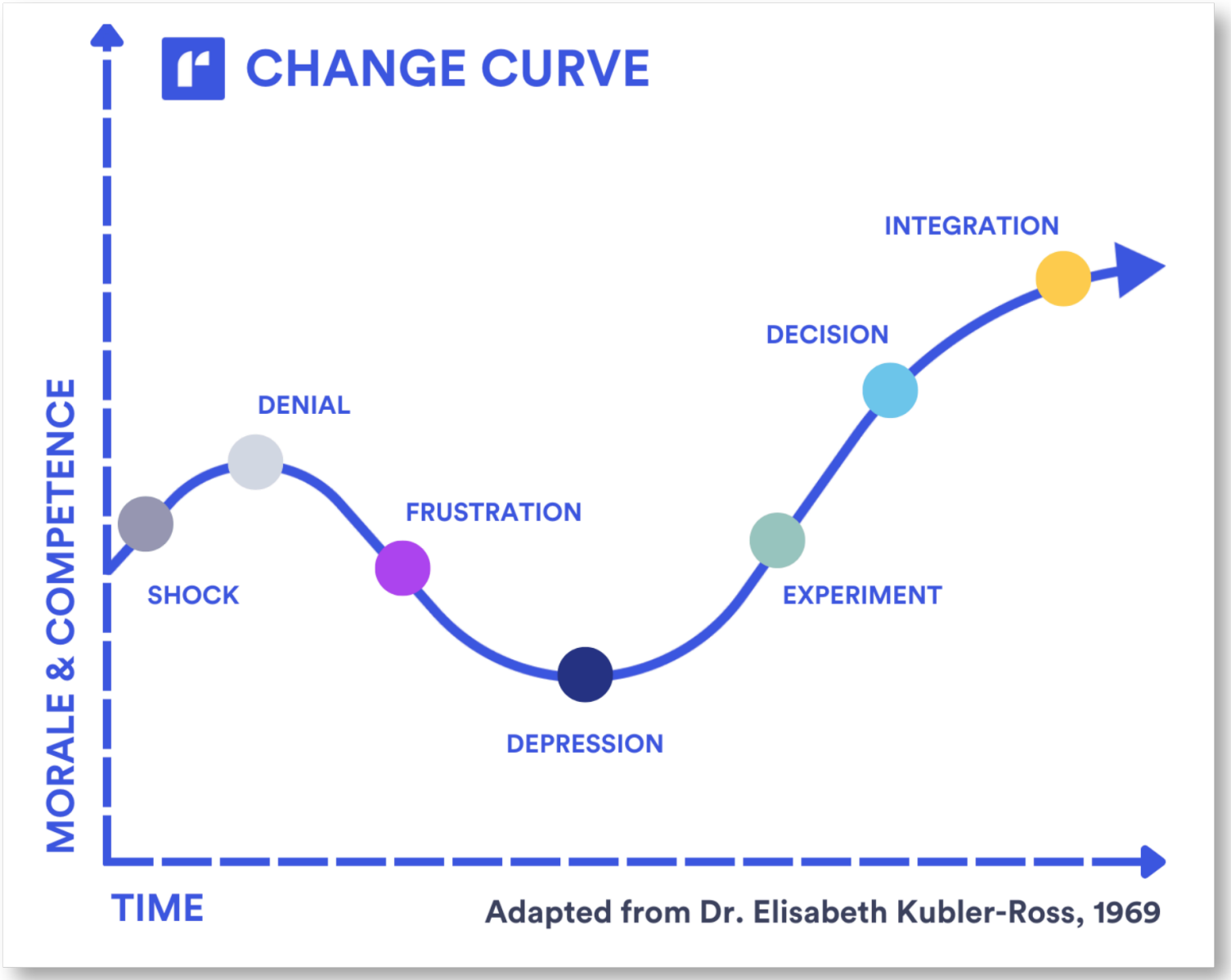
THIESS

Magic happens when…

meets

THIESS

Stages of Change…



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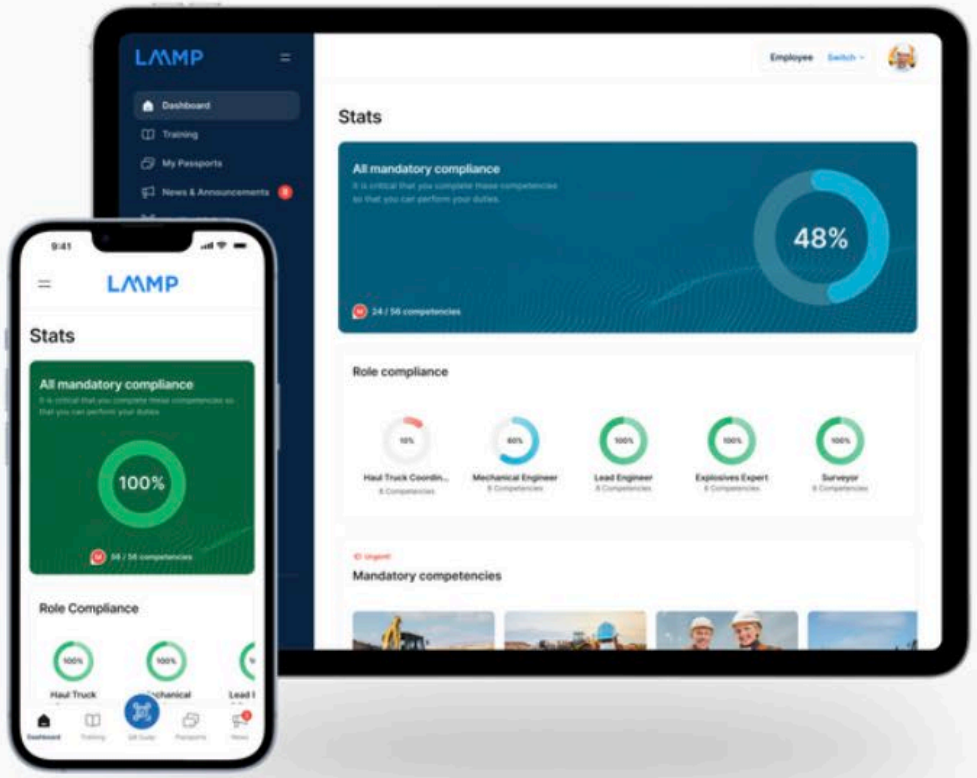
Business Challenges

- Resistance to change
- Constrained by illogical workflows
- Duplicated effort
- Constraints of existing systems
- Non-responsive vendors

Our Vision for LAAMP



Protecting our people and enabling a shared workforce

- Mobilise faster and more effectively

1. Setup Environment

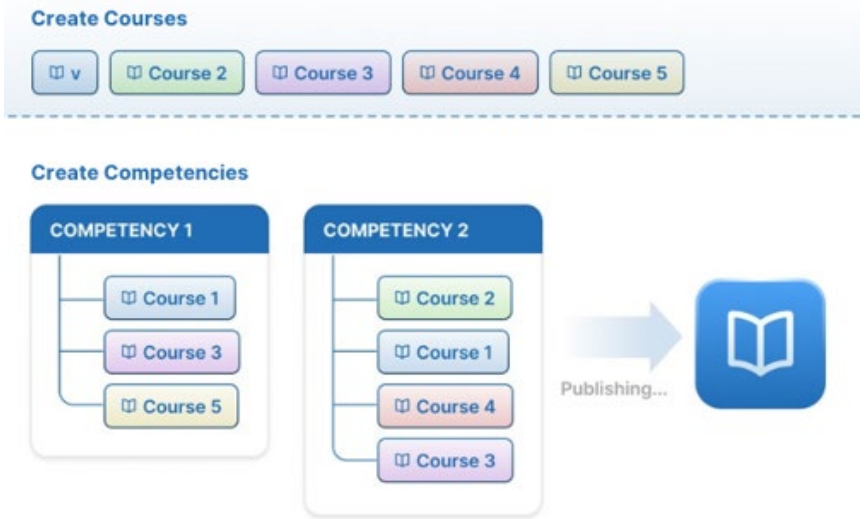
Replicate your global structure with ease

2. Set Permission Control

Set permission hierarchies to ensure security and proper workflow, granting access to authorised personnel only.

3. Publishing Competency's

Courses include, Resource libraries, SOPs, certifications, licenses, logbooks, simulations, theoretical and practical assessments and VOC.

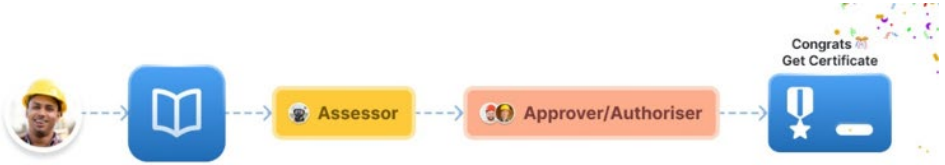


4. Distribution

Distribution involves assigning training materials to your workforce based on locations, roles, or teams. All training will be auto-assigned taccordingly

5. Undertaking Training

After completing courses there is an approval workflow. Upon completion users receive a digital passport.



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Pre-Mobilisation

Facial Verification

Verify people & maintain integrity across assessments

Transferable Passports

Transferable skills and qualifications in your pocket

Immersive Technology (VR&AR)

Improve engagement and retention of your people

GATE CONTROL

Operations

Offline and Online

Access LAAMP anywhere anytime on any device

Digital Evidence Capture

Comprehensive trail and evidence packs to safeguard your organization

Log Books

Simplify data input and remove unwanted paper

Practical Assessments

Digitise skills evaluation and verification of competence (VOC)

Multilinguil
Ready for a diverse and global workforce

Training Automation
Automate training, assignment delivery and workflows

Audit Trail
Comprehensive digital audit trail ensures no lost records

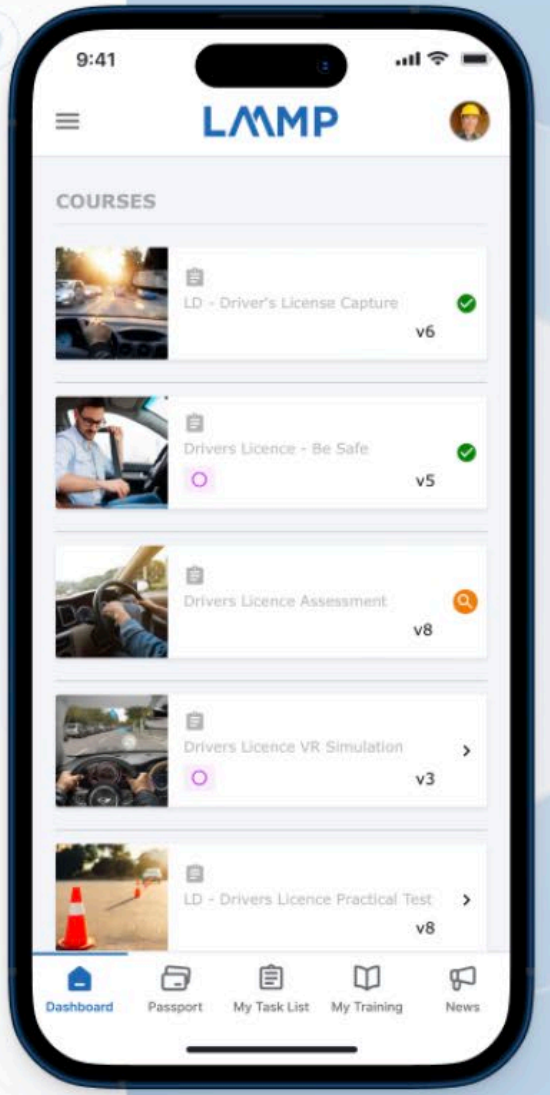
Group Training
Combine the benefits of digital classrooms with remote participation

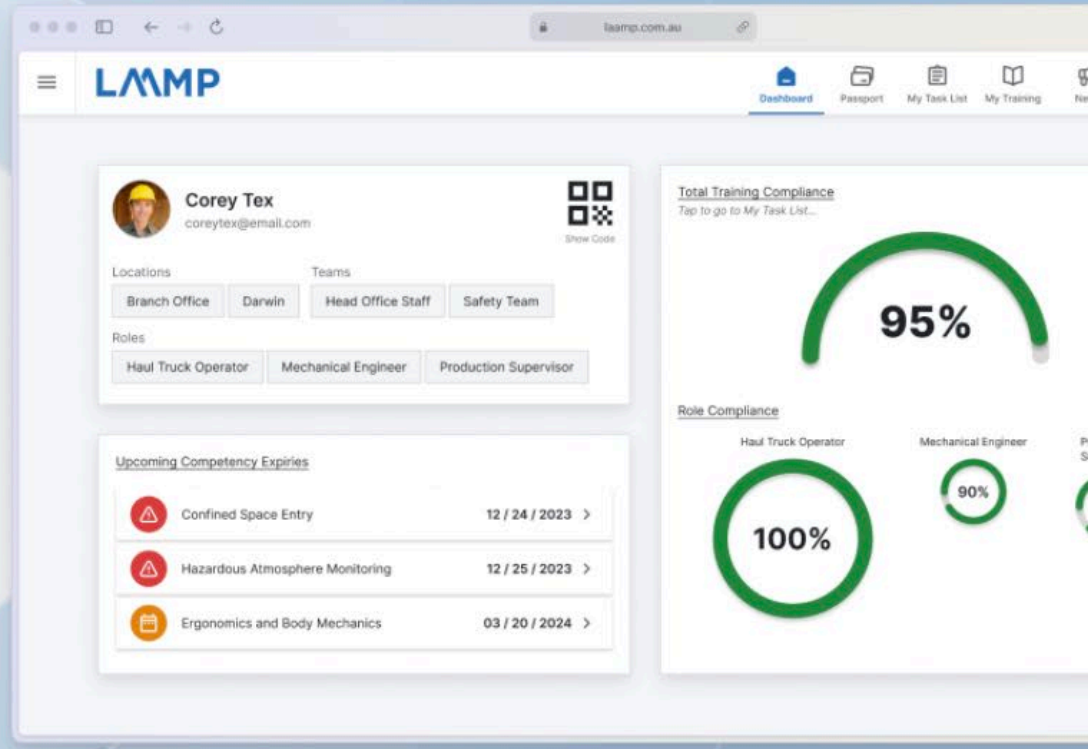
Reporting and Insights
Better understand your people and organisation

LAAMP

End User View

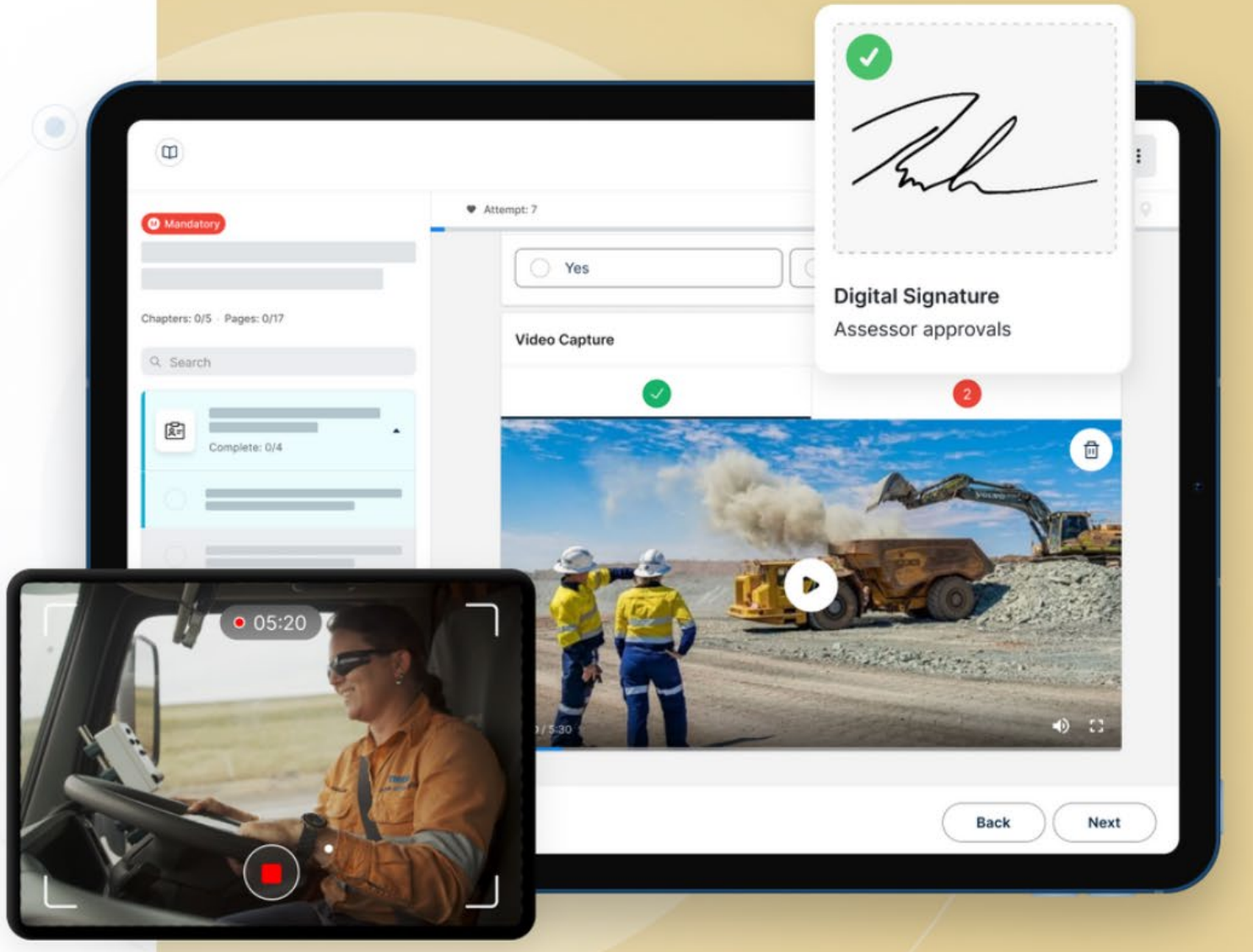
- Dashboards
- Verification
- My Training
- Digital Passports
- News & Announcements





Assessors View

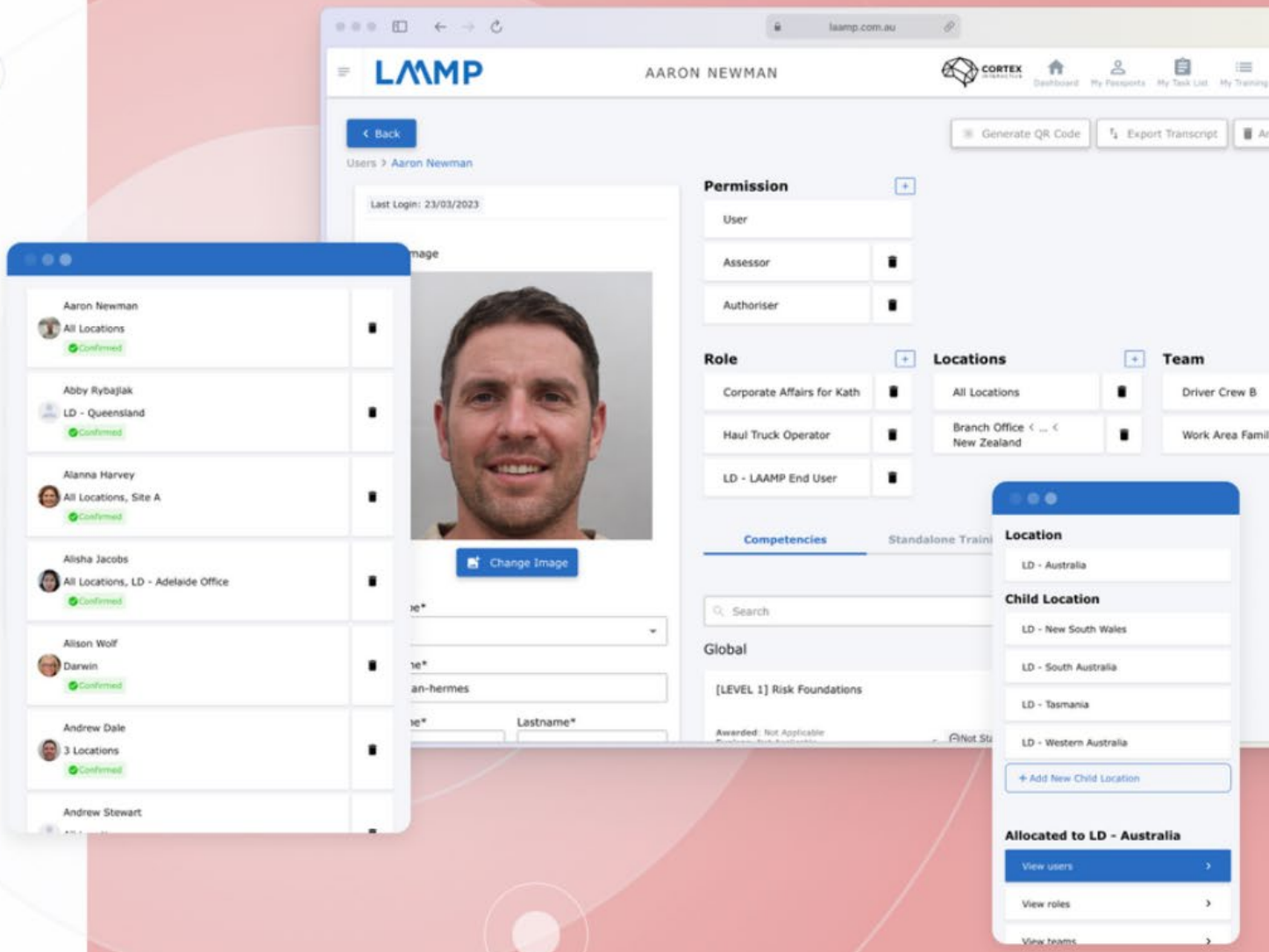
- Instant Access
- Personalised Assessment
- Evidence Capture
- Task-based Assessments
- Verification of Confidence
- Rapid Submissions



Administrator View

Administrators can effectively manage and optimise their entire workforce.

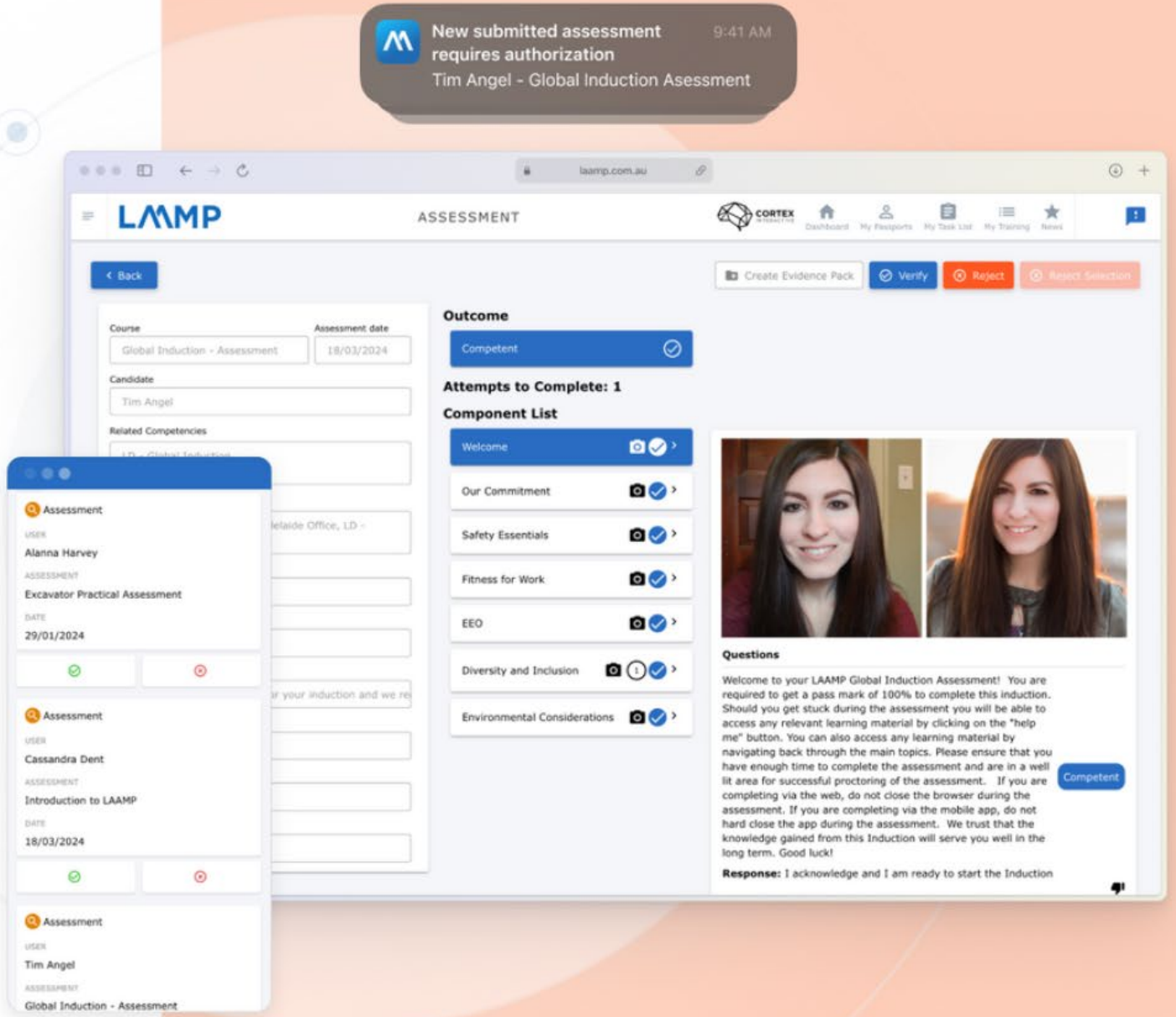
- Automated Admin
- Visible workforce hierarchy
- Training needs analysis
- Bulk User imports & security
- Centralised Control
- Complete Audit Trail



Authorisers View

Approvers and authorisers can ensure that all training and assessments are thoroughly vetted.

- Automated Workflows
- Comprehensive audit trails
- Real-time notifications
- Centralised Lists



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GLOBAL ADOPTION

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DISCUSSION

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Coal Services Maintenance of Competence App

New App Demonstration

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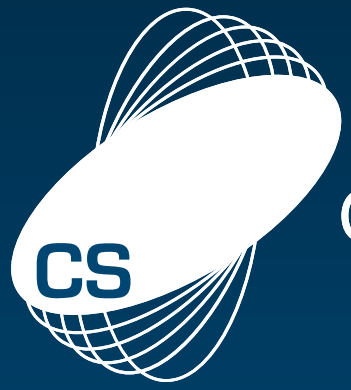
Conclusion

Survey to be sent out following these workshops

General feedback and questions



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