



HARDHAT^H

**Improving team
productivity &
collaboration in the
METS sector**



Agenda

1

Austmine & HardHat for the METS sector

Tim Smith
(5 mins)

- Learning objectives
- HardHat partnership with Austmine & commitment to the METS sector
- Benefits & focus on Productivity & Collaboration

2

External Insights

Noor Crookshanks

Kristie Young
(15 mins)

- METS & Miners challenges
- The role of technology in increasing productivity, driving efficiencies
- New ways to improve collaboration, stakeholder management and real-time information management to support your licence to operate

3

Productivity & Collaboration: A simple approach with HardHat

David Sinclair & Tim Smith
(15 mins)

- How HardHat can help you improve productivity and collaboration
- A solution tailored to your role and industry
- Use case: site, operations & project

4

Questions & Answers

All
(10 mins)

Speakers



Tim Smith
Founder & CEO
HARDHAT®



Noor Crookshanks
Director Business Development
HARDHAT®



Kristie Young
Advisor & Director
HARDHAT®



David Sinclair
Chief Revenue Officer
HARDHAT®



Learning Objectives

Help you to understand:

**Industry trends
& insights**

**Productivity,
collaboration,
and technology**

**Use case
scenarios for
your business**



Partnership for the METS & Mining sector

HardHat's mission is to make it easier and simpler to manage complex operations in this asset and project intensive industry. Through our partnership with Austmine, we gather learning and insights to ensure our solution is purpose- built for the roles and needs of the industry



Solutions built for the industry

A secure, flexible and scalable solution that enables you to access project, asset, operations and client related information all in one location. Connecting all your business and distributed teams from headquarters to mobile field site.



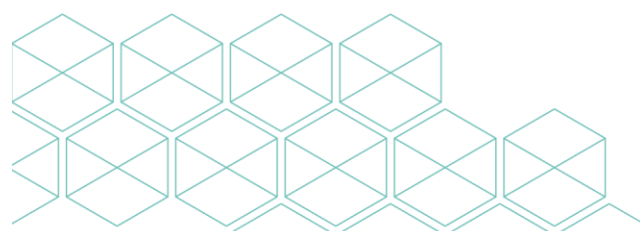
Experienced team from the industry

Our company is led by an experienced team of industry experts & technology leaders from the METS & Mining industry.



Local focus, global footprint

We have a dedicated Centre of Excellence in Perth, with offices in Sydney, Melbourne, and a presence in Singapore, and Switzerland.



Explainer video: What is HardHat?

How to manage and execute your work
plan safer, faster and smarter? -



Helping you solve some of your biggest challenges



Project Collaboration

Centralise project data from sites, activities & existing systems, i.e. ERP, PPM, EAM & WFM, etc.



Health, Safety, Environment & Quality

Compliance, reporting, instant mobile access, processes & data



Operations Management

Improve supervision, data capture & productivity.
Automate operational processes & reporting



Client & Stakeholder Mgt

Manage customer relationships.
Improve business development & stakeholder communications



**Purpose built for
your industry**



**100%
cloud based**



**Fully
mobile**



**Configurable
& scalable**



**Trusted &
secure**



**SaaS
licensing**

1

Industry Trends & Insights

Kristie Young
Advisor
HardHat

Noor Crookshanks
Director Business Development
HardHat

Industry Trends & Insights



Improve Health & Safety

- Post COVID-19 work environment
- Embedding Safety Culture across companies
- Progressive Health & Safety regulatory environment



Increase Staff Productivity

- Leveraging technology to reduce OPEX & CAPEX
- COVID & the cost managing people remotely
- Digital platforms and tools for continuous improvement



License to Operate

- Engaging with local & indigenous communities
- Collaboration with governments and sector associations
- Building investor confidence beyond financials

Productivity & Collaboration

it's everyone's business

Executives & Management

Division Heads, Business Unit leaders

- Automated reporting on health & safety, incident management and operational information.
- Accurate forecasting to ensure business profitability, financial burn rate, achieve project milestones.
- Complete staffing view to improve resource management and operate efficiently.

Project Managers

- Centralised project intelligence reporting with key project data from ERP and other systems.
- Real-time collaboration through easily shared issues and ideas and potential opportunities.
- More diligent coverage with automated real time activities /checklists, notifications and reminders.

Team leaders

Functional & Operation leads

- On-demand access to essential project and operational information.
- Faster speed of resolving issues through streamlined or automated business processes.
- Easier follow up with automated tasks, reminders, and reporting.



Site Engineers

Onsite & Offsite

- Better process management with automation, tasks, and checklists.
- Increased visibility through central project and deliverable management.
- Optimized day-to-day execution with automated notifications and reminders.

Team members

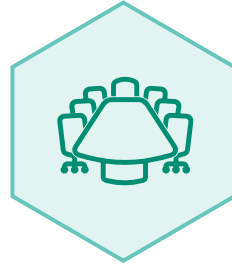
- Streamlined collaboration through centralized sharing of information.
- Enhanced visibility with single source of essential business data.
- Boosted efficiency by tailored dashboard views and reporting.

What do stakeholders want/need with respect to Collaboration & Productivity



Employees

- Positive culture;
- Inclusive leadership
- Safe environment
- Well paid and respected
- Appreciated & collaborative teamwork



Shareholders

- Return on investment.
- Focus on non-financial: such as; safety, ESG, diversity



Companies

- Productive assets & employees
- Health & Safety excellence
- Profitability growth
- Improved communications



Customers

- High quality products
- Supply security
- Well priced
- Ethical behaviour

What is Productivity?

Productivity put simply –
measured in terms of the rate
of output per unit of input



Why Collaboration?

Collaboration enhances results.

Double edge sword –
competitive edge vs working
together to improve



Our trifecta
All required to realise results


People

Process

Technology

Key risk areas for mining

Top 10 business risks facing mining & metals

10		Innovation	↓	9
9		Digital and data	↓	3
8		Volatility		★
7		Workforce	↓	2
6		Capital agenda		-
5		Geopolitics		★
4		Decarbonisation and green		-
3		Productivity and rising costs	↓	10
2		High Impact risks	↑	5
1		Licence to operate		-

2021

2020

Source: [Top 10 business risks facing mining & metals, EY Mining & Metals](#)

Environmental, Social & Governance (ESG)

Top 40 ESG disclosures



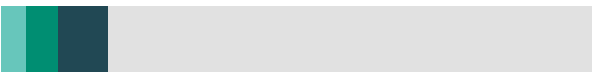
11 companies

Demonstrate all three key factors



25 companies

Demonstrate at least one key factor



4 companies

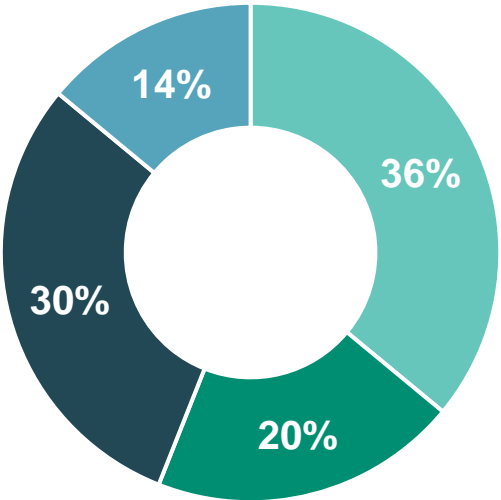
Currently not completely addressing any key factors

- Diversified
- Base metal
- Precious metal
- Other

Source:

Top 40 global miners
[PwC Global Mine 2020 report](#)

MT50 ESG Reporting - 2019

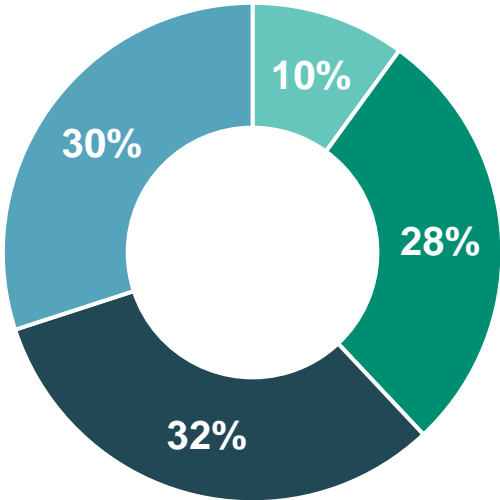


- ESG Report
- Within annual report (4-6 points)
- Within annual report (1-3 points)
- No reporting

Source:

Top 50 Aussie Miners <\$5B Market Cap
[PwC Aussie Mine 2019](#)

MT50 ESG Reporting - 2016



- ESG Report
- Within annual report (4-6 points)
- Within annual report (1-3 points)
- No reporting

**Data
Everywhere**

**Now,
what to do
with it?**

3

Use Cases

David Sinclair
CRO
HardHat

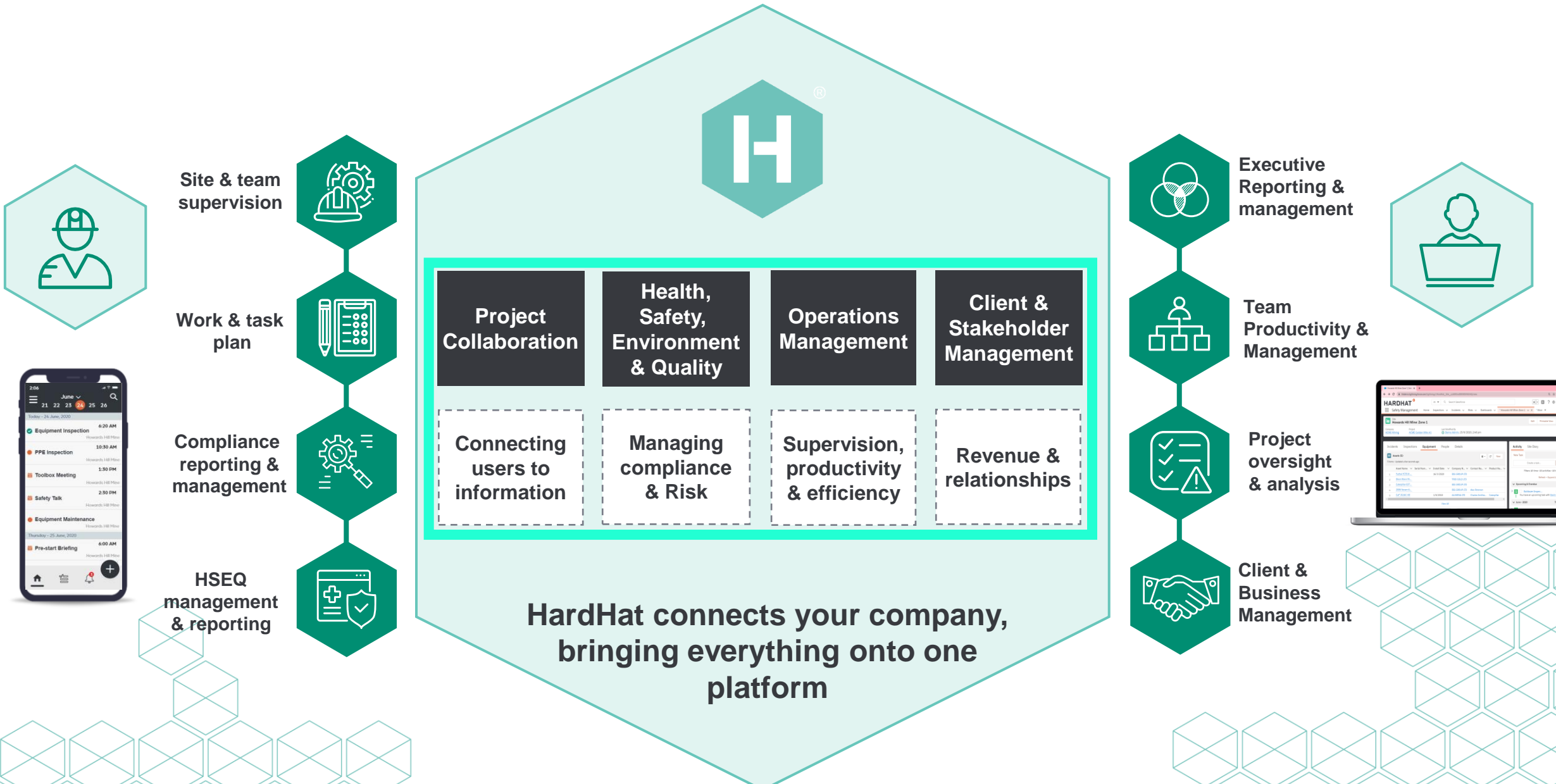


What does good look like?

- It's difficult for many companies to articulate what "good looks like"
- If a METS company could have 'anything they wanted' - what would that be, what would it look like?

Experience a connected business

HARDHAT^H



HardHat Desktop: Portfolio / Project View - Stages



HARDHAT
RESOURCES

All ▾

Search Projects and more...

★ ▾

+

?

⚙

🔔

New Proposals & E...[Home](#)[Projects ▾](#)[Contracts ▾](#)[People ▾](#)[Asset Register ▾](#)[Reports ▾](#)

Projects
All Projects ▾

12 Items • Sorted by Project Name • Updated a few seconds ago

Search this list...

⚙ ▾

🏠 ▾

↺

📄

🔄

🔍

New

Printable View

HardHat Desktop: Project view - People



All

Search Projects and more...

★

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Project Ngannawarra Mine Extension Stage 2

✓ Following

Edit

New Action

Printable View

Company
Abacus Mining Pty Ltd

Project Manager
Jon Amos

Project Margin
15.34%

Estimated Revenue
\$5,000,000.00



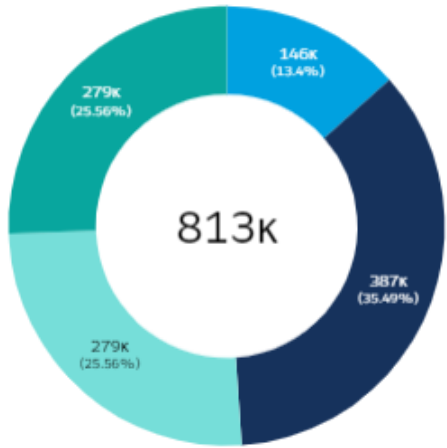
Contact Roles (4)

New

Site	Contact	Company	Role Type
Upper Zone A	Robert Dunn	McBahan Holdings Limited	Engineering Supervisor
Upper Zone A	Yurad Minn	McBahan Holdings Limited	Operator
Upper Zone A	Con Stamotopoulos	McBahan Holdings Limited	Operator
Upper Zone A	Vince Gerakites	McBahan Holdings Limited	Operator
View All			

Asset Revenue YTD

Sum of Asset Name: Revenue YTD



- Site
-
- Area 12
- Harry Hill Mine: Zone A
- Zone A

View Report

As of Today at 3:23 pm

HardHat Desktop: Project view - Assets



All

Search Projects and more...

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- Project Operations

Home

Projects

People

Reports

Asset Register

Compliance Register

Project

Ngannawarra Mine Extension Stage 2

Following

Edit

New Action

Printable View

Company

Abacus Mining Pty Ltd

Project Manager

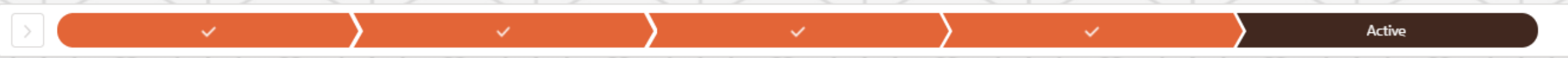
Jon Amos

Project Margin

15.34%

Estimated Revenue

\$5,000,000.00



DetailsAssetsPeopleContractsRFIsHealth & Safety

Asset Register

All

5 Items • Sorted by Asset Name • Filtered by All asset register • Updated 2 minutes ago

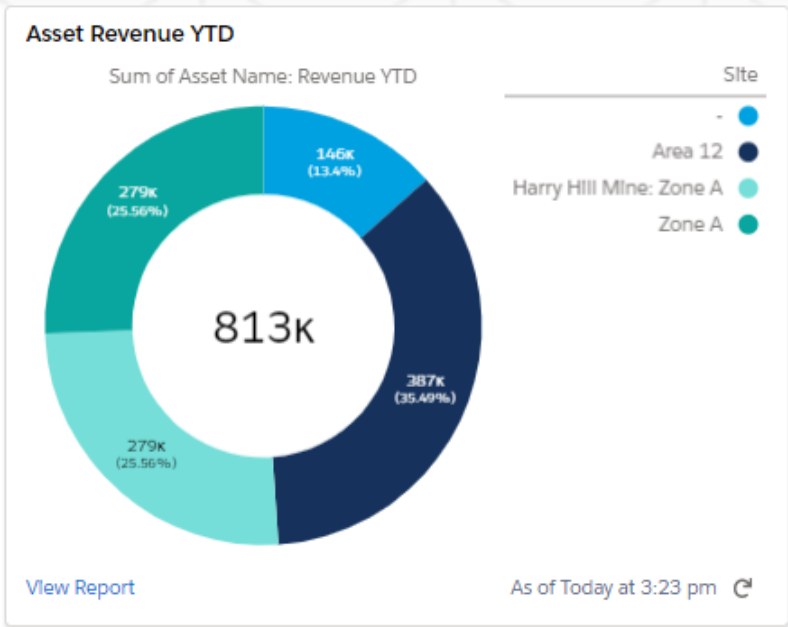
Search this list...

⚙

↺

✎

	Asset Name ↑	Asset ...	Current Project	Current ...	Reve...	R...	C...	En...	U...	
1	CAT Excavator - 336 GC ...	234r45555	Beliwana mine load an...	Upper Zone A	\$278,962	\$4,200	Usage	5,687	5,687	
2	Komatsu 980E-4	789654	Ngannawarra Mine Ext...	Upper Zone A	\$48,975	\$4,850	Usage	65,412	65,412	
3	Komatsu HD465-3	65489	Bindi Ridge	Area 12	\$387,412	\$6,500	Failure	10,654	26,745	
4	Sharmac 4x4 Service Tr...	9874651	Ngannawarra Mine Ext...	Area 12	\$146,223	\$1,800	Usage	4,198	6,748	
5	Toyota Hilux - LV120	LV120	Tom Price Shutdown	Area 12	\$76,315	\$80	Usage	158,774		



HardHat Desktop: Project view - Contracts



All

Search Projects and more...

★

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- Project Operations
- Home
- Projects
- People
- Reports
- Asset Register
- Compliance Register
- Upper Zone A

Project Ngannawarra Mine Extension Stage 2

Following

Edit

New Action

Printable View

Company Abacus Mining Pty Ltd

Project Manager Jon Amos

Project Margin 15.34%

Estimated Revenue \$5,000,000.00

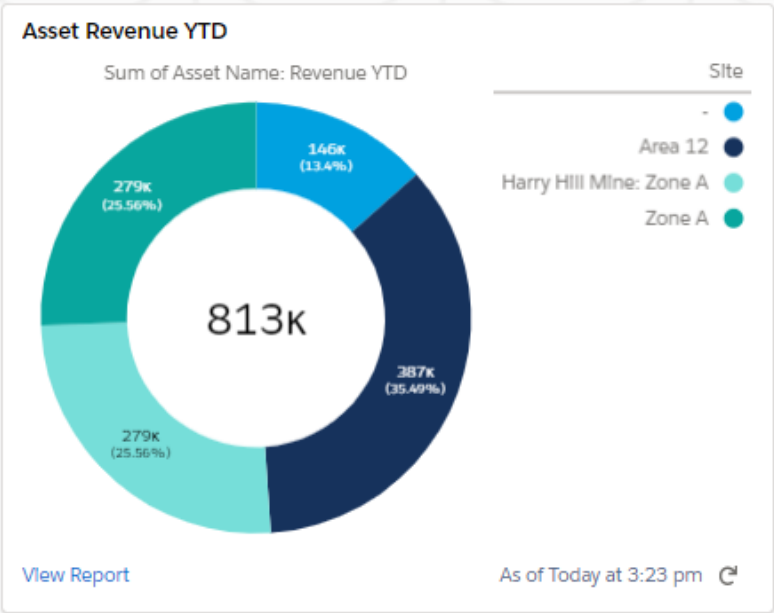


Details Assets People Contracts RFIs Health & Safety

Project Contracts (2)

New

Contract Number	Contract Title	Status	Activated Date	
00000103	Mine Management	Activated	25/8/2020, 2:56 PM	▼
00000103	Mine Management	Activated	25/8/2020, 2:56 PM	▼
<div>View All</div>				



HardHat Desktop & Mobile: Task Allocation



Supervisor's "Tasks" (on Desktop)

HardHat The Hard Mode Simple

18 items • Updated a minute ago

Search this list...

Recently Viewed ↓

- Investigate the Breakdown on Gandies Gully Rd
Breakdown on Gandies Gully Rd 14/8/2020
- Analyse consumable usage for last 3 months Paul Prothero 1/8/2020
- Send Letter ACME - Hello World Project #1 Alex Rotonen 20/8/2020
- Update maintenance review Breakdown on Gandies Gully Rd 17/8/2020
- Please provide report on conveyor issue Check lubrication on conveyor Paul Prothero 1/9/2020
- Please arrange an inspection Acme Icon Iron #1 Yvonne Smith 1/9/2020
- Follow up with new project plans Toolbox - August 2020 David Hardy 4/9/2020
- Notification Vehicular Accident Harry Hatton 13/3/2020
- Bulldozer Inspection Howards Hill Mine: Zone 1 Kevin Can 9/7/2020
- Check on Westrac Inspection Pump #1 30/6/2020
- Please review compliance guidelines Health & Safety - Hygiene Harry Hatton 31/3/2020
- Safety Report Project Kick Off meeting David Hardy 30/6/2020

Task Investigate the Breakdown on Gandies Gully Rd

✓ Mark Complete Edit Delete Edit Comments

Name Related To
Breakdown on Gandies Gully Rd

Details Related

Task Information

Assigned To	Bruce Smyth	Related To	Breakdown on Gandies Gully Rd
Subject	Investigate the breakdown on Gandies Gully Rd	Name	
Due Date	14/8/2020	Checklist Title	
		Project	ACME Golden Mile #1
		Group Heading	
		Comments	

Task Result

Additional Information

Status	Not Started
Priority	Normal

System Information

Created By	Bruce Smyth, 29/7/2020, 10:33 AM	Last Modified By	Bruce Smyth, 5/8/2020, 1:06 PM
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Field Worker's Task & Notification Lists (Mobile)

Tasks My Tasks

Today - 22 June, 2020

- Excavator inspection
Hitachi EX8000-6
Howards Hill Mine
- Concrete cutting to assist with plumbing works
Howards Hill Mine **Overdue**
- Trenching with a small excavator
Betty Hill Site B

Tomorrow - 23 June, 2020

- PPE Inspection
Betty Hill Site B
- Concrete cutting to assist with plumbing works
Howards Hill Mine
- Excavator inspection
Lishers B 0250

Notifications

Recent

- You've been assigned a task
Excavator inspection
See Details 2h ago
- You've been invited to a meeting
Toolbox meeting: Howards Hill Mine
See Details 4h ago
- You've been assigned a task
Safety Inspection: PPE
See Details 4h ago

Earlier

- You've been assigned a task
Safety Inspection: Scaffolding
See Details 4h ago

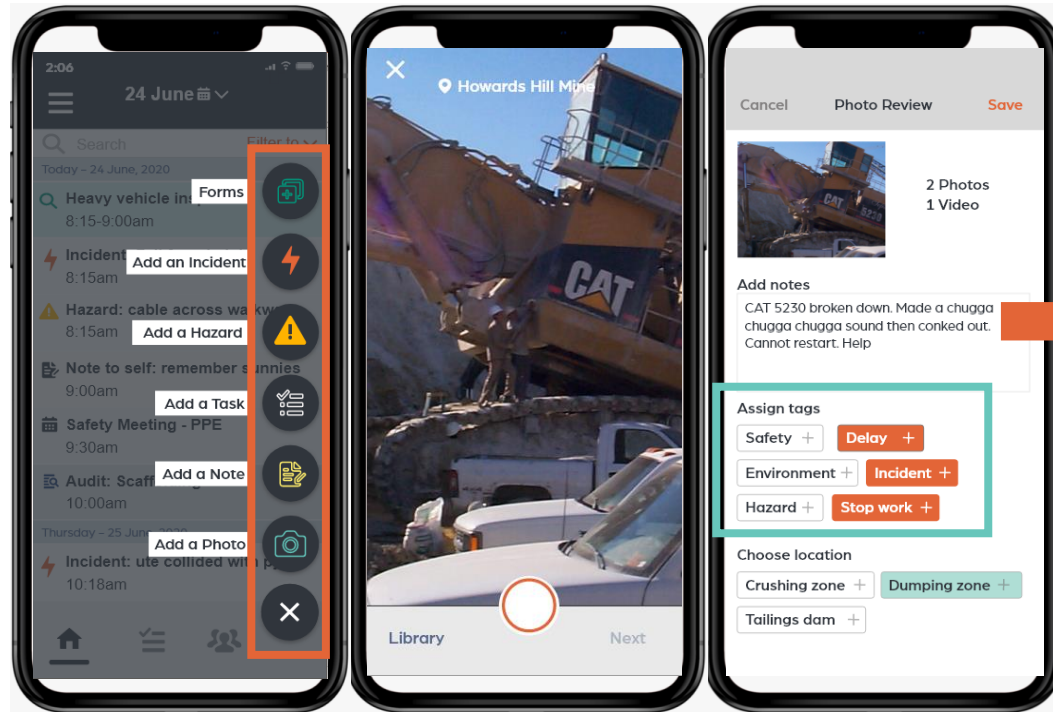
Tasks

Notifications

HardHat Desktop & Mobile: Incidents, Issues & Hazards



Field Worker's "Add an Incident" (Mobile)



Quick Actions

Photos & Logging Incidents

Supervisor's "Incidents" (on Desktop)

HARDHAT
The Hard Made Simple

HardHat Chatter Home Projects On The Go Agenda Tasks Inspections **Incidents** Risks Compliances Contracts Reports Dashboards

14 items - Updated 23 minutes ago

Search this list...

Incident Name ↑

- CAT Excavator Accident ACME Golden Mile #1 2/7/2020
- Potential Project Delay - 1 day
- Collision ACME - Hello World Project #1 17/8/2020
- Was anyone injured?; First Aid Treatment not required
- COVID - 19 Testing HH GOLD Project #2 12/6/2020
- Fall HH GOLD Project #1 12/6/2020
- First Aid Treatment Onsite; Lost Time Injury or Work Illness
- Fall from vehicle Acme Icon Iron #1 20/7/2020
- Was anyone injured?; First Aid Treatment not required
- John broke his leg ACME Golden Mile #1 4/8/2020
- Was anyone injured?; First Aid Treatment Onsite
- MACHINE BREAKDOWN Big Project #1 6/5/2020
- First Aid Treatment Onsite; Was there any property damage?
- Near Miss - Suspended Load Centaur 1/8/2020
- Oil spill ACME - Hello World Project #1 27/4/2020
- Was a pollutant released?; Was there any environmental damage?
- Overloaded ACME Golden Mile #1 15/6/2020
- Slight issue reversing ACME Golden Mile #1 16/6/2020
- Was there any property damage?
- Staff injury ACME Silver Mile #1 10/3/2020
- Was anyone injured?; First Aid Treatment Onsite
- Tripping Big Project #3 - Gold / Exploration

Incident
CAT Excavator Accident + Follow

Files (0) Approval History (0) Inspections (0)

Details Activity Inspections

Incident Name CAT Excavator Accident Incident Date 2/7/2020

Description

Photos and details

Impact Potential Project Delay - 1 day

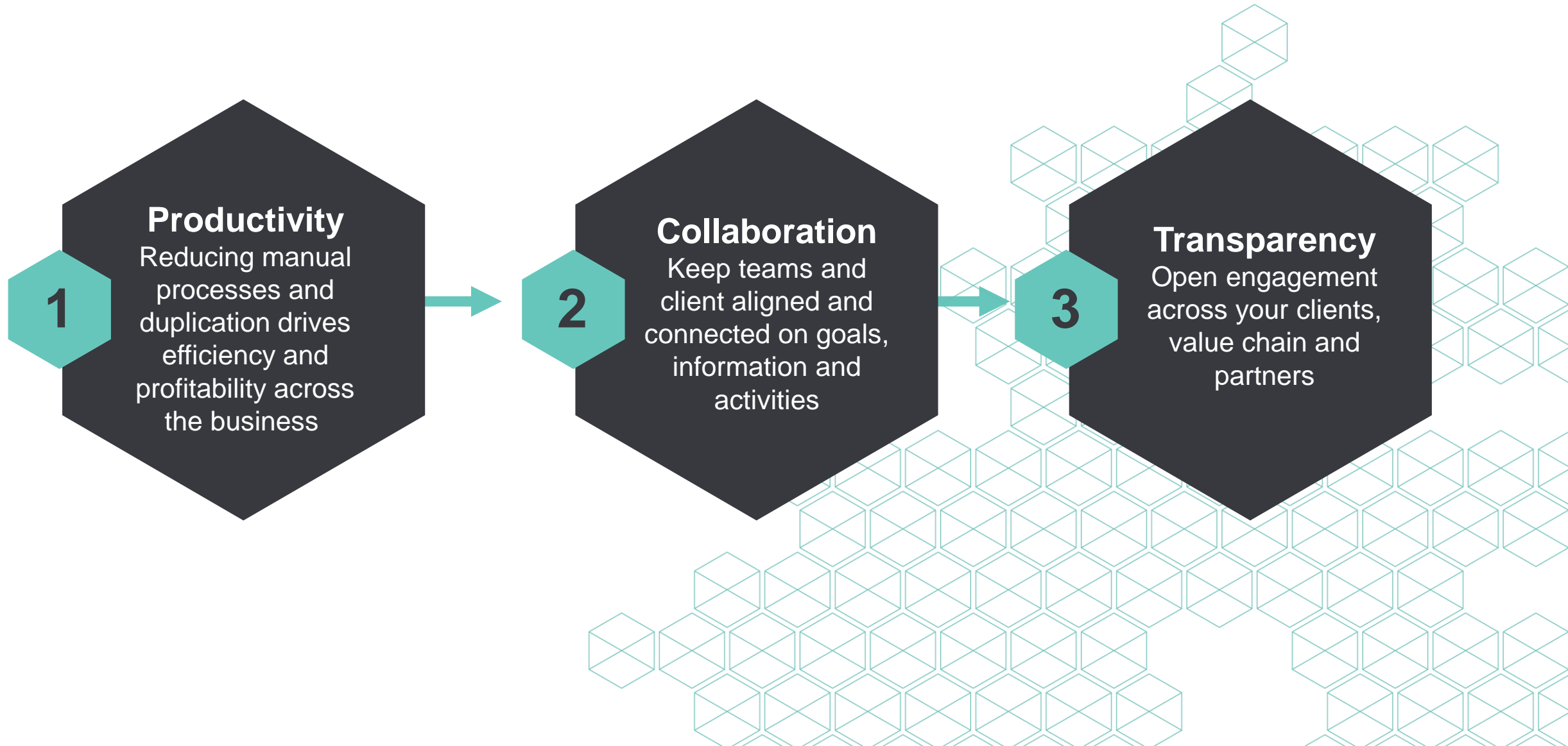
Details

Project	ACME Golden Mile #1	Risk	Onsite delay
Site	Golden Lights Site 1	Record Type	Operations
Location		Asset	CAT Excavator - 336 GC (Large)
Severity	Medium	Incident Approver	Demi Muser
People Involved	Alex Rotonen	Lost Days	1.00
Created By	Bruce Smyth, 2/7/2020, 5:13 pm	Financial Impact	\$10,000.00
		Last Modified By	Bruce Smyth, 18/8/2020, 3:06 pm

Productivity and Collaboration on the HardHat Platform



Key takeaways



Thank You.

Work Safer. Faster. Smarter.
Contact us today.

info@hardhat.com

www.hardhat.com

hardhat.com/requestdemo

Proudly supporting rhino conservation

