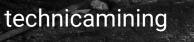
Technica Mining \bigcirc

Transforming the Culture of Equipment Utilization and Maintenance

sofvie

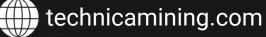
March 20, 2024





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ABOUT TECHNICA

Technica Mining is one of Canada's leading mining and construction companies.

We are setting the new standard in world-class workforce safety and project excellence in underground and open pit development, construction, maintenance and operation.

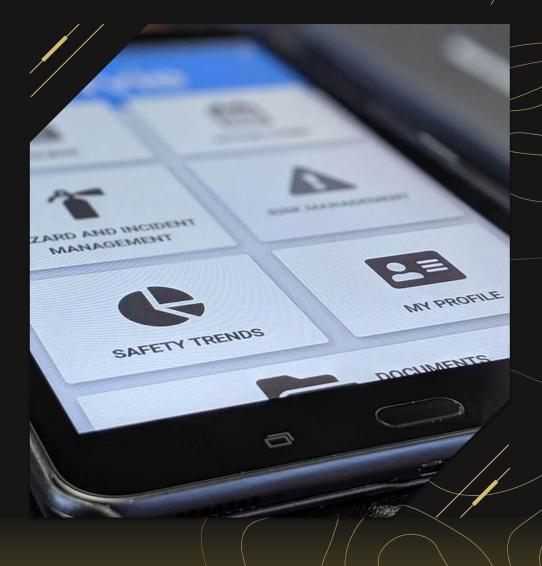




ABOUT SOFVIE

Sofvie Inc. is a company specializing in mining health and safety.

Our flagship product, sofvie, a safe performance platform, along with our services, bring workers home every day.



Equipment Management



What is Utilization? What is Availability?

Proactive versus Reactive

Great Communication High Availability High Utilization

- \rightarrow High Availability
- \rightarrow High Utilization
- \rightarrow Great Performance



A New Paradigm - We can do it!

Elements	Reactive	Proactive				
Approach	• Chaotic & Messy	• Strategic & Researched				
Environment	 Often at the mercy of the location of a breakdown Equipment towing likely 	 Commonly performed in a safe space such as a shop or service bay Can consider offsite work 				
Emotion	• Stress & Anxiety	• Cool, Calm & Collected				
Culture	Peer PressureInter-Department Turmoil	AlignedSupportive				
Cost	• High – Premiums due to single source	• Low – Ability to follow procurement best practices				
Schedule	• High Impact – Cause / Effect of spontaneous failures	• Low Impact – Can leverage tools such as the 7/21 schedule				
Availability	• Lower – Downtimes extended due to lag in procurement, staffing and location of breakdown.	• Higher – Tooling, parts and staffing usually available to perform the repairs				

Equipment Care – A Case Study



A client reached out to Technica to produce 220,000 tons of Nickel Ore from their Ore Body.

The Arrangement was to supplement a shortfall in Ore feed to their mill.

Technica was successful in this proposal process and that is when the work began.

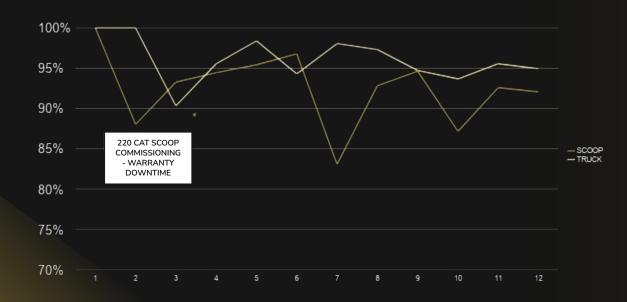
Time to challenge the status quo!

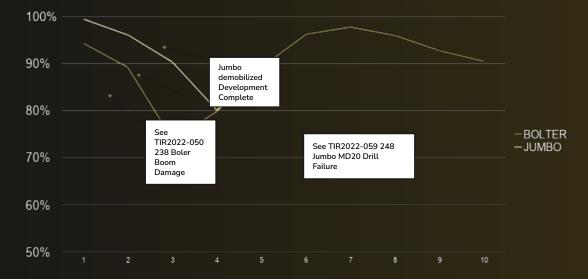


Performance



Mining equipment averaged 90% availability throughout the project





Performance (contd)

Prime Movers averaged 95% availability throughout the project

Lateral development was completed with 6% overbreak

Maclean Bolter Availability – 89%

Haulage Truck Availability – 91%

Scoop Availability – 90%

Sofvie was heavily leveraged as the communications tool to ensure issues with equipment were translated into Action and repairs to ensuring high availability of equipment was maintained.



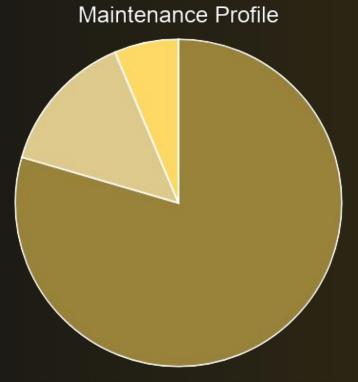
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Maintenance on the go!



80% of all work and effort was proactive and planned

14% of all work and effort was reactive



■PLANNED ■UNPLANNED ■OTHER

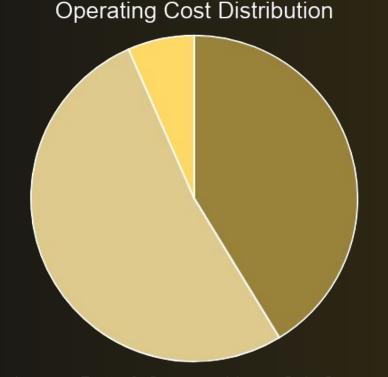
Maintenance cost highlights!



Less than 7% of all cost were allocated to sub-contractors:

- Planned NDTs
- Planned Fire Suppressions
- Equipment Major Service Support

When you have time, you can research and execute internally.



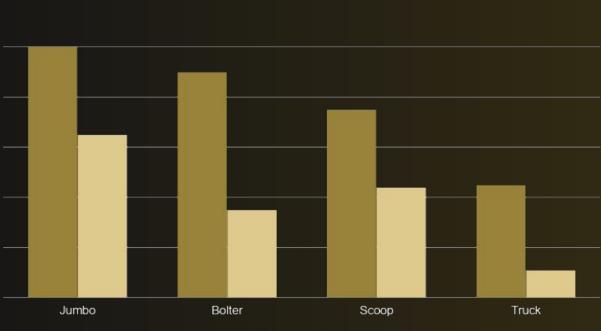
■Labour ■Parts & Consumables ■Sub-Contractors

Slash those operating costs!



Operating costs achieved were almost 50% lower than budgeted

Higher equipment utilization results in diluted operating costs



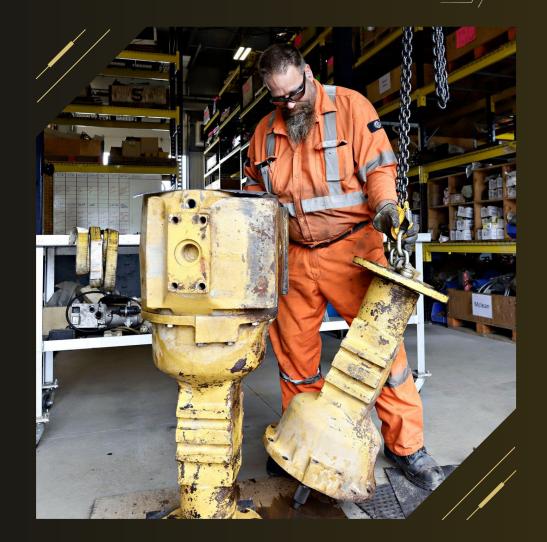
Operating Cost Per Hour

🔳 Budget 🛛 🖾 Actual

Integrated Maintenance

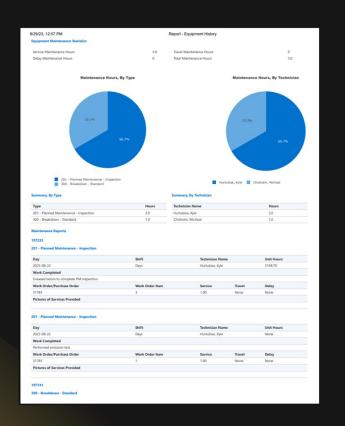


- Integrated maintenance is a comprehensive approach that unifies all maintenance activities, contracts, and strategies under one system and management team.
- How is this even possible?
- Integrated maintenance provides transparency, focus, and agility by offering a complete view of available teams, maintenance tasks, and resources.





Communication & Energy



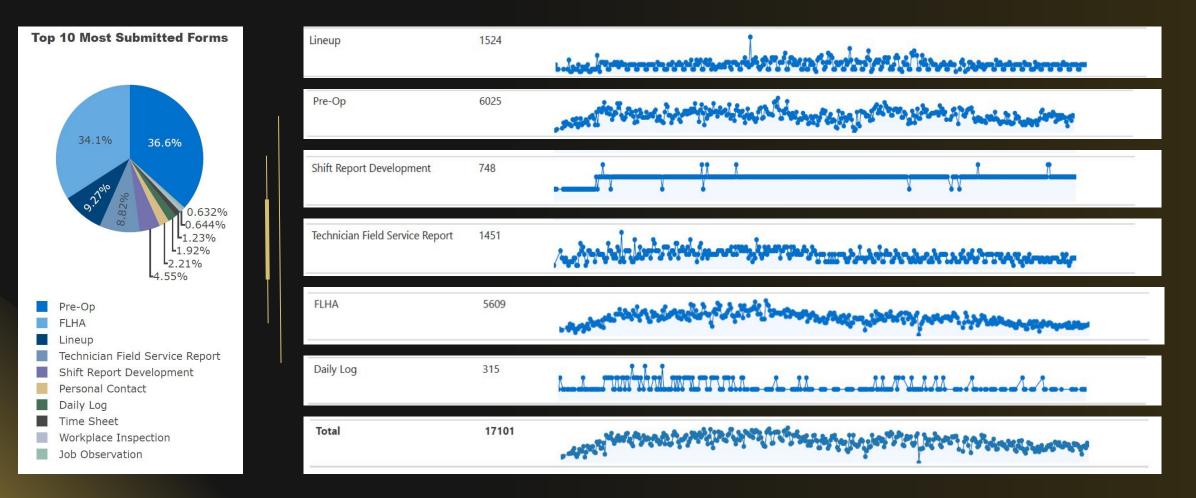
	8/25/23, 8:43 AM		Report - Pre-Op - 197822					
Header	Check transmission oil lev	vel (engine running) - fill if required	Ok					
Header		ystem (tank, hosing, actuators, nozzles)	Ok	Submission ID 244646	Submission Date 2024-03-25			
Submission ID 197822 Submission Date 2023-08-24	Check condition of rops/f	fops and fasteners	Ok	Submitted By Cadger, Shane	Date 2024-03-24			
Submitted By Richard, Marc A Date 2023-08-24	Check condition & operat	tion of stabilizer jacks	Ok	Site Creighton Mine	Department/Job TS224001			
Site Coleman Mine Department/Job TG223033	Condition of work platfor	rm, railings, and slides	Ok	Area/Level 7680L	Supervisor Reeves, Todd			
Area/Level 15308 Supervisor Supervisor, Client	Condition of ladders, entr	ry gate & dismounting handrails	Ok	Workplace 7680 shop				
Workplace 4945		Operation of remote start up/shut down (if equipped)		The second second second				
	Check condition of platfo		Ok Ok	Additional Details				
Scissor Truck 114				Shift	Nights			
	Pre-Op Photos		Photo Reference	Technician Name				
Pre-Op	2023-06-24 09 32:57		Front	and a second	Cadger, Shane AMD			
Shift Days	1 X - M			Customer Company				
Engine hours (Start of shift) 236				Customer Name	TODD vandenenden			
Comments or Defects				Customer Contact (phone/email)	7052800461			
None				Service Summary 000 - Other, Non-Mobile				
Questions	2023.06.34.09.33.46		Back	Unit ID	Unit Make/Model	Unit Hours	England Chattan	
Inspect battery cables (terminals, covers, connection)	Ok 0k		Dack	Unit ID			Equipment Status	
Check engine oil level - fill if required	Ok Contraction			0	0	0.00	Other - Non-Mobile	e Work
Inspect battery, mounting and top rubber deflector	Ok Charles and Charles			Work Completed				
Walkaround inspection (tire, rims, studs, damage)	Ok			Line up, cage down/up				
Check operation of steering	Ok Children Children			Work Order / Purchase Order	Work Order Item	Service	Travel	Delay
Check fuel level - fill if required	Ok					1.00		
Brake test (service, park and/or emergency)	Ok 2021-06-34 09 31 27		Left	Pictures of Service Provided				
Check condition of engine belts, intake, exhaust system	Ok			No Data Available				
Check hydraulic oil level - fill if required	Ok Data The			200 - Planned Maintenance - Service	2			
Inspect fire extinguisher	Ok			200 - Planned Maintenance - Service	e			
Check hydraulic hoses (leak), safety chains and hose clamps	Ok			Unit ID	Unit Make/Model	Unit Hours	Equipment 5	Status
Check warning system	Ok A			17-575	Scoop	14679.00	Running	
Check horn	Ok			Work Completed				
Check antifreeze level - fill if required	Ok 2023-08-24 09 33:13		Right		ifting lug from new bucket to install on o	ald bucket. Old lip is in i	1680 by the refuge. Hous	se keeninn and onod
Condition & operation of seats (suspension & adjustment)	Ok				ot the shop cleaned for cable pull in AM.		and by the tringer these	er nerspong anne gener
Condition & operation of seatbelts (latch mechanism, adjust)	Ok			Work Order / Purchase Order	Work Order Item	Service	Travel	Delay
Condition of radiator & fan/fan guard	Ok					9.50		
Check lights, switches, gauges, controls	Ok			Pictures of Service Provided				
Grease machine & fill reservoirs	Ok			2024-03-24 2019-31 2024-03-24	20-92-11			
Wheel chocks (2)	Ok							
Check safety interlock systems	Ok				A AN ANA ANA ANA ANA ANA ANA ANA ANA AN			
Check condition of air filter, canister and indicator	Ok Post-Op			and the second second	AND A DECK			
Check condition of footholds, handholds, steps & landings (clean and green)	Ok Level End Shift	153OB						
Check condition of footholds, nandholds, steps of landings (clean and green)	Workplace End of Shift	4945						
	workplace End or Shirt	A243						

Total Service Hours 10.5 Total Travel Hours Total Delay Hours Total Hours Worked 10.5



Communication & Energy (avg. 35 people)

KPI's Mar 1 2022 - Mar 30 2023



The Power of Pre-Ops

The workforce submitted 96% compliant pre-ops.

87% of all equipment operating was captured via a compliance pre-op.

Site	Hours	Pre-Op Hours	% Pre Op Hours	Good Pre-Ops	Total Pre-Ops	% Good Pre-Ops
Site B1	5318	4631	87.1%	1079	1121	96.3%
Encreater	18	17	96.0%	5	6	83.3%
Haulage Truck, 30ton	1942	1823	93.9%	255	262	97.3%
Scoop, 8YD	2040	1851	90.7%	312	318	98.1%
 Manitou, MLT625/420 Series 	338	281	83.1%	107	109	98.2%
Grader	21	17	80.8%	8	9	88.9%
 Scissor, MacLean SL Series 	70	56	80.0%	51	52	98.1%
Telehandler Forklift	246	179	73.0%	56	56	100.0%
Bolter	114	83	72.9%	53	56	94.6%
Emulsion Loader	22	15	70.8%	4	7	57.1%
Excavator, 5ton	52	33	63.9%	27	28	96.4%
Total	5318	4631	87.1%	1079	1121	96.3%

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"Unit was not getting drill lube due to bad relay and faulty wiring, left hand rail on wing is bent, sig drill hits c-arm when you go to pivot." "Bolter is leaking hydraulic oil from levers to control drill functions, included in picture, slow leak but it drains throughout shift."

Project Sentiments

Technica Mining

"Makes it easy to drive results."

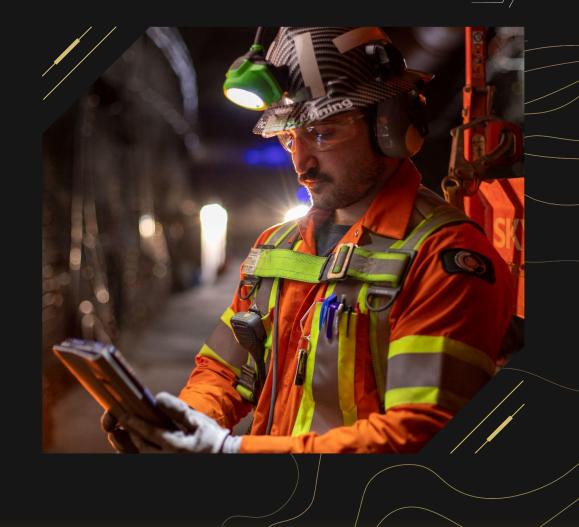
– Luc Lavigne, Supervisor

"Sofvie was and is the quickest tool for this type of communication."

– Craig Allen, Superintendent

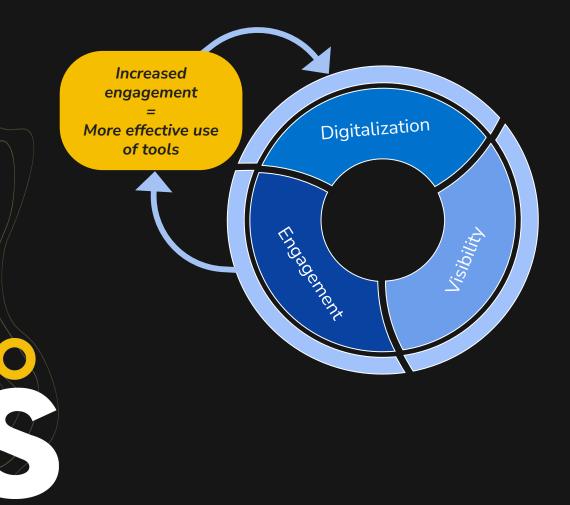
"The workforce wants to use it because it has been made important and they can see the importance first hand, it isn't just another piece of paper that no one will look at again."

– Dan Arnold, Supervisor



How do we help our clients create such culture?





Digitalization

Sofvie Digitizes your operations and gives the team better tools, helping to find new levels of efficiency and effectiveness.

Visibility

Modernized operations deliver better visibility from the face to the back office, allowing you to see more of the big picture trends and more accurately into the day-to-day operations of your organization.

Engagement

With better tools and greater visibility, you can create an environment where workers feel safe, significant and situated driving increased engagement and empowering everyone to operate at their best.

• Technica Mining

March 20, 2024

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