

Agnico Eagle Automation (Mining)



MIA
Intelligent and Autonomous Mine
Programme de formation
FONCER du CRSNG / Mine Intelligente et Autonome

CHRISTIAN QUIRION
AUGUST 30TH 2023

Open innovation



PRESENTATION DISCLAIMER



The information in this presentation has been prepared as of September 7, 2023. Certain statements contained in this presentation constitute “forward-looking statements” within the meaning of the United States Private Securities Litigation Reform Act of 1995 and “forward-looking information” under the provisions of Canadian provincial securities laws and are referred to herein as “forward-looking statements”. When used in this presentation, the words “anticipate”, “could”, “estimate”, “expect”, “forecast”, “future”, “plan”, “potential”, “will” and similar expressions are intended to identify forward-looking statements. Such statements include, without limitation: statements concerning the mining operations of Agnico Eagle Mines Limited (the “Company”), including, but not limited to its LaRonde, LZ5, Globex, Odyssey, Kittilå, Detour Lake, and Fosterville operations, including: the timing, progress, and achievement of, and expected benefits from, any automation project, equipment, or process; mining methods; and expected life of mine, tonnage, production, or mill capacity. Such statements reflect the Company’s views as at the date of this presentation and are subject to certain risks, uncertainties and assumptions, and undue reliance should not be placed on such statements. Forward-looking statements are necessarily based upon a number of factors and assumptions that, while considered reasonable by Agnico Eagle as of the date of such statements, are inherently subject to significant business, economic and competitive uncertainties and contingencies. The material factors and assumptions used in the preparation of the forward looking statements contained herein, which may prove to be incorrect, include, but are not limited to, the assumptions set forth herein and in management’s discussion and analysis (“MD&A”) and the Company’s Annual Information Form (“AIF”) for the year ended December 31, 2022 filed with Canadian securities regulators and that are included in its Annual Report on Form 40-F for the year ended December 31, 2022 (“Form 40-F”) filed with the SEC as well as: that there are no significant disruptions affecting operations; that production, permitting, development, expansion and the ramp-up of operations at each of Agnico Eagle’s properties proceeds on a basis consistent with current expectations and plans; that the relevant metal prices, foreign exchange rates and prices for key mining and construction inputs (including labour and electricity) will be consistent with Agnico Eagle’s expectations; the ability to realize the anticipated benefits of the merger with Kirkland Lake Gold Ltd. (the “Merger”) or implementing the business plan for the combined company, including as a result of difficulty in integrating the businesses of the companies involved; the ability to realize synergies from the Merger and the recent acquisition of Yamana Gold’s Canadian assets (the “Yamana Transaction”) and cost savings at the times, and to the extent, anticipated; that Agnico Eagle’s current estimates of mineral reserves, mineral resources, mineral grades and metal recovery are accurate; that there are no material delays in the timing for completion of ongoing growth projects; that seismic activity at the Company’s operations at LaRonde, Goldex and other properties is as expected by the Company and that the Company’s efforts to mitigate its effect on mining operations are successful; that the Company’s current plans to optimize production are successful; that there are no material variations in the current tax and regulatory environment; that governments, the Company or others do not take additional measures in response to the COVID-19 pandemic or otherwise that, individually or in the aggregate, materially affect the Company’s ability to operate its business; that cautionary measures taken in connection with the COVID-19 pandemic do not affect productivity; and that measures taken relating to, or other effects of, the COVID-19 pandemic do not affect the Company’s ability to obtain necessary supplies and deliver them to its mine sites. Many factors, known and unknown, could cause the actual results to be materially different from those expressed or implied by such forward looking statements. Such risks include, but are not limited to: the ability to realize the anticipated benefits of the Merger or implementing the business plan for Agnico Eagle following the Merger, including as a result of a delay or difficulty in integrating the businesses of the companies involved; the ability to realize the anticipated benefits of the Yamana Transaction; the volatility of prices of gold and other metals; uncertainty of mineral reserves, mineral resources, mineral grades and mineral recovery estimates; uncertainty of future production, project development, capital expenditures and other costs; foreign exchange rate fluctuations; inflationary pressures; financing of additional capital requirements; cost of exploration and development programs; seismic activity at the Company’s operations, including the LaRonde Complex and Goldex mine; mining risks; community protests, including by First Nations groups; risks associated with foreign operations; governmental and environmental regulation; the volatility of the Company’s stock price; risks associated with the Company’s currency, fuel and by-product metal derivative strategies; the extent and manner to which COVID-19, and measures taken by governments, the Company or others to attempt to reduce the spread of COVID-19 may affect the Company, whether directly or through effects on employee health, workforce productivity and availability (including the ability to transport personnel to fly-in/fly-out camps), travel restrictions, contractor availability, supply availability, ability to sell or deliver gold dore bars or concentrate, availability of insurance and the cost thereof, the ability to procure inputs required for the Company’s operations and projects or other aspects of the Company’s business; and uncertainties with respect to the effect on the global economy associated with the COVID-19 pandemic and measures taken to reduce the spread of COVID-19, any of which could negatively affect financial markets, including the trading price of the Company’s shares and the price of gold, and could adversely affect the Company’s ability to raise capital. For a more detailed discussion of such risks and other factors that may affect the Company’s ability to achieve the expectations set forth in the forward-looking statements contained in this presentation, see the AIF and MD&A filed on SEDAR at www.sedar.com and included in the Form 40-F filed on EDGAR at www.sec.gov, as well as the Company’s other filings with the Canadian securities regulators and the SEC. Other than as required by law, the Company does not intend, and does not assume any obligation, to update these forward-looking statements.

Further Information

For further details on Agnico Eagle’s second quarter 2023 results, please see the Company’s news release dated July 26, 2023.

**About Agnico
Eagle Mines
Limited**

Introduction

**Automation
Concept (Mining)**

Execution Strategy

**Agnico Eagle
Automation Actual
State**

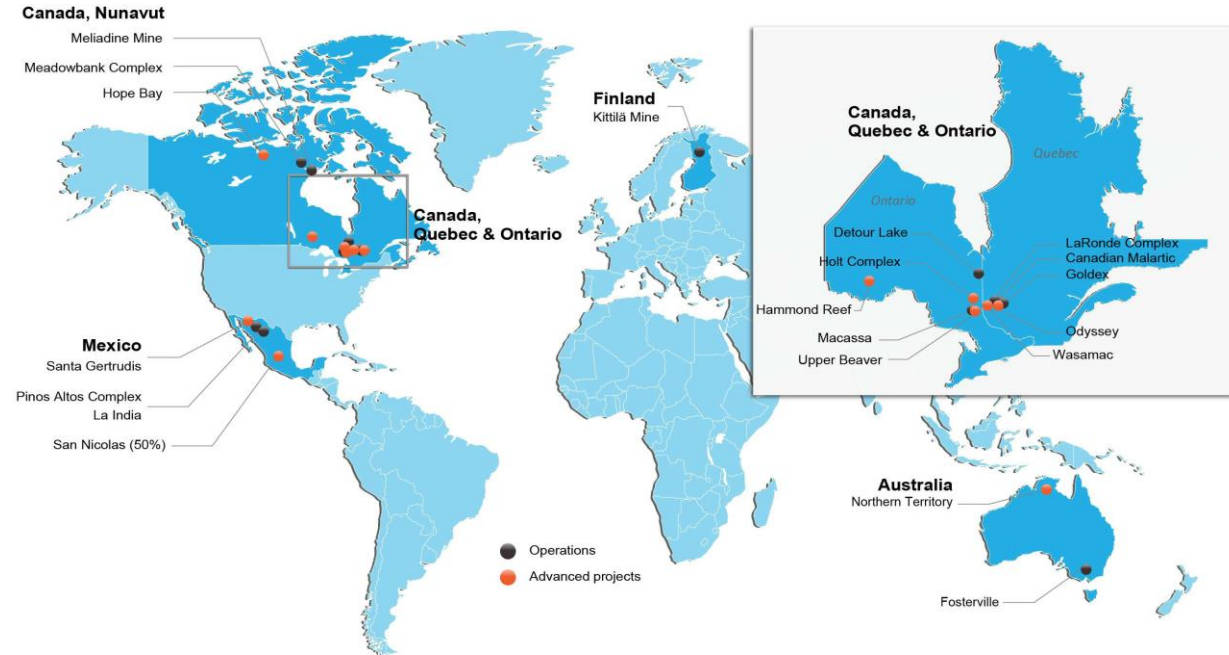
Conclusion

Questions

Appendix

ABOUT AGNICO EAGLE MINES

- Agnico Eagle is a senior Canadian gold mining company that produces precious metals since 1957
- 11 operating mines located in Canada, Australia, Finland and Mexico
- Third largest gold producer in the world
- Strategy of developing long-term regional platforms in premier jurisdictions
- Employs more than 16,000¹ people



¹ Includes Canadian Malartic Mine

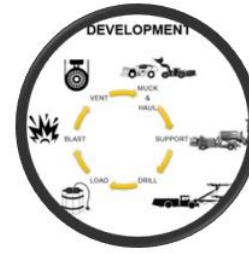
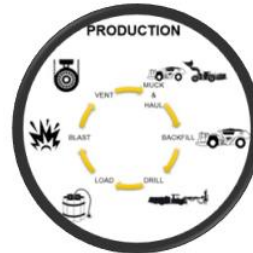
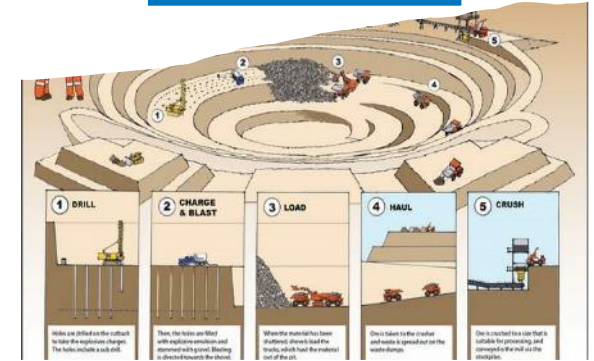
Knowledge Sharing

Showcase steps, strategies and challenges, of the journey towards achieving high levels of autonomy in mining.

Underground



Open Pit

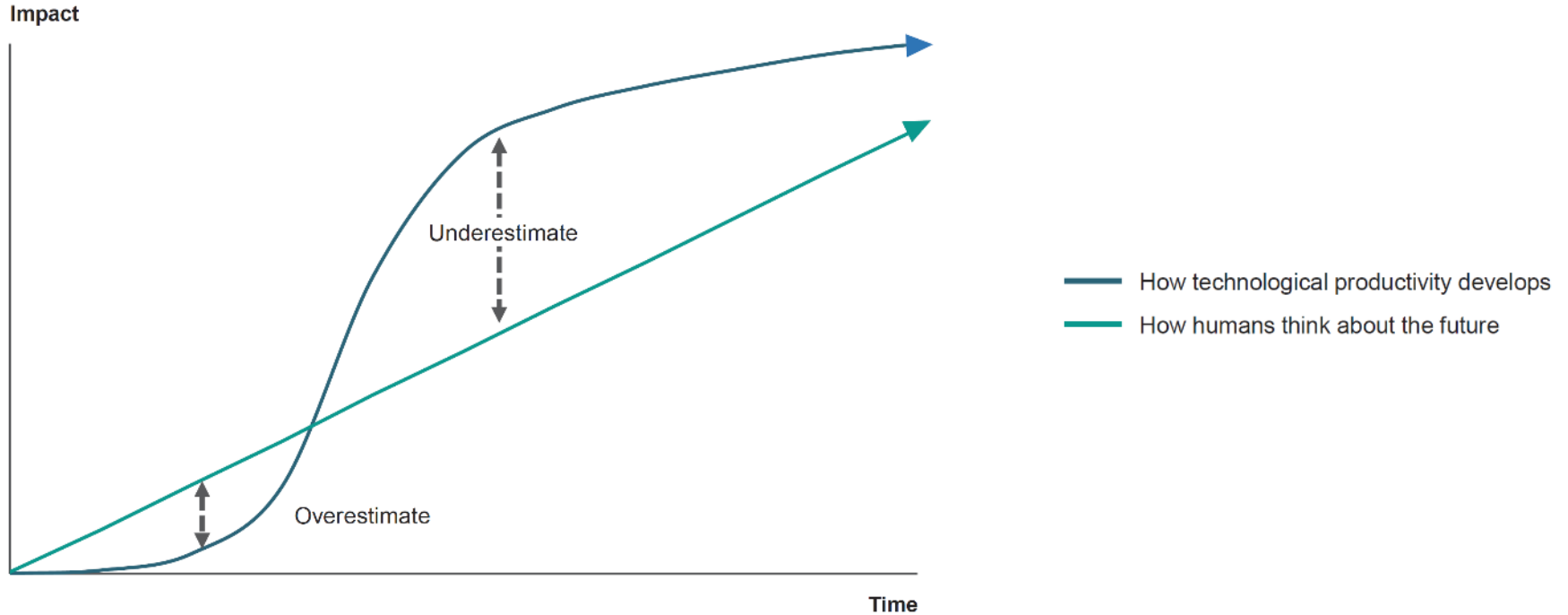


INTRODUCTION – PURPOSE OF AUTOMATION



Amara's Law

APPENDIX A - AUTOMATION VISION - AMARA'S LAW



“We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run.”

Amara's Law – Roy Amara



AGNICO EAGLE

AUTOMATION CONCEPT

Holistic Approach

Combines cutting-edge technology & data-driven decision-making

Technologies

- **Fleet Automation (Mining)**
 - AHS (Automated Haul Trucks)
 - Automated/Tele-remote Scoops
 - Automated Drilling (Production & Development)
 - Automated Diamond Drilling
- **Telematics and IoT**
 - Connectivity (devices & systems)
 - Machine Data Source
 - Systems of Records
- **Integrated Management Systems**
 - SIC & FMS (ISA95 - Level 2 - Monitoring & Supervising Systems)
 - PI & Databrick (ISA95 - Level 3 – Operation Management Systems)

Data-driven decision-making

- Data & Systems Integration (Digitalization Center of Excellence)
- Real-time Monitoring (MOC)
- Advanced Analytics (DAC)

BUSINESS IMPROVEMENT

Monitoring

Monitoring Operations Centre
(Centre intégré opérations)

Reduce variability in operations
Optimize, reduce costs, forecast

Automation

Automate for safety & productivity

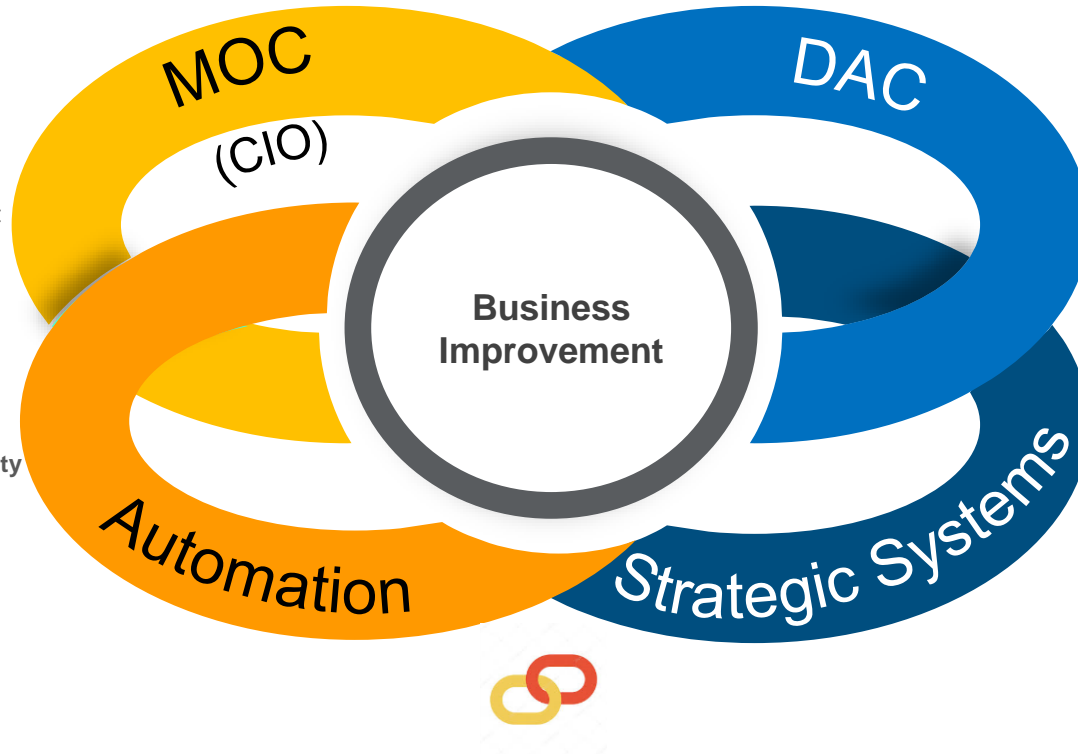
Fleet automation (mining)

Automation orchestrator (mapping,
traffic management)

Integration of control & safety
systems (visibility, collision
avoidance)

Continuous mining (mine
development)

Exploration / diamond drilling



Analytics

Data Analytics Center

Data-based decision making

SME (Subject Matter Experts)

Towards machine learning & AI

Strategic Systems

*Foundation to achieve future goals
ABB/ABC, AI & Machine learning
systems, etc.*

Systems synergy

Mining : mine planning/SIC, FMS
automated data, logistics, safety,
material management/ore tracking,
time sheet (UKG)

Mill : controls, monitoring, APC

Environment: monitoring systems

Data : PI, Azure Databricks

10

Digitalization center of excellence

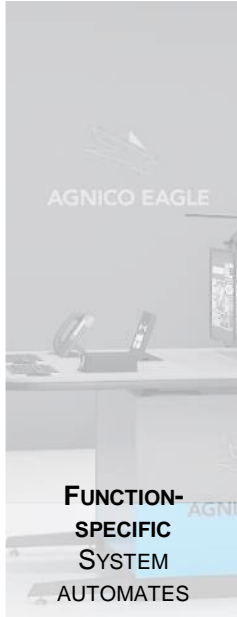
AUTOMATION LEVEL - SAE DEFINITIONS

LEVEL 0



MANUAL
OPERATOR
COMPLETES ALL
TASKS.

LEVEL 1



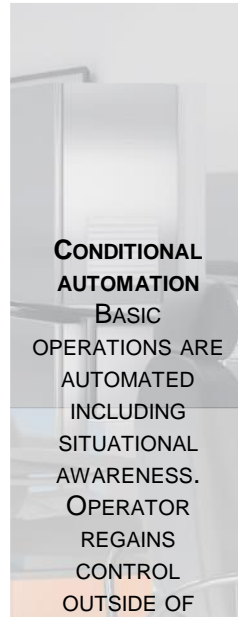
FUNCTION-SPECIFIC
SYSTEM
AUTOMATES
CERTAIN
FUNCTIONS
WHILE OPERATOR
REMAINS IN
CONTROL.

LEVEL 2



SEMI-AUTONOMOUS
SELECT TASKS
ARE PERFORMED
BY THE SYSTEM.
OPERATOR
REMAINS
AVAILABLE TO
RESUME
CONTROL.

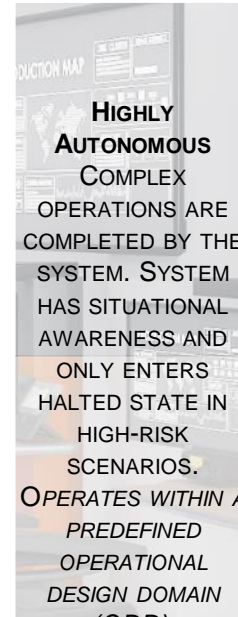
LEVEL 3



**CONDITIONAL
AUTOMATION**
BASIC
OPERATIONS ARE
AUTOMATED
INCLUDING
SITUATIONAL
AWARENESS.
OPERATOR
REGAINS
CONTROL
OUTSIDE OF
DEFINED
PARAMETERS.

*LEVEL 3 - AUTOMATION
SYSTEMS IN ISOLATED
ZONES*

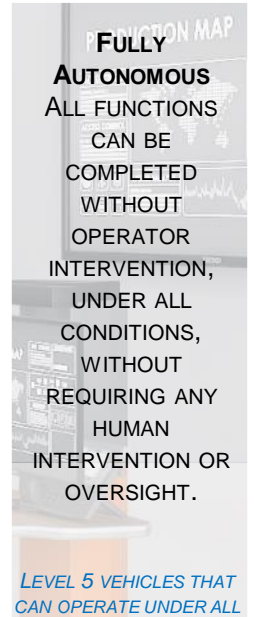
LEVEL 4



**HIGHLY
AUTONOMOUS**
COMPLEX
OPERATIONS ARE
COMPLETED BY THE
SYSTEM. SYSTEM
HAS SITUATIONAL
AWARENESS AND
ONLY ENTERS
HALTED STATE IN
HIGH-RISK
SCENARIOS.
OPERATES WITHIN A
PREDEFINED
OPERATIONAL
DESIGN DOMAIN
(ODD).

*LEVEL 4 - SIGNIFICANT
ADVANCEMENT IN AUTONOMOUS
VEHICLE TECHNOLOGY AND IS
DESIGNED TO OFFER A HIGH DEGREE
OF SAFETY IN ENVIRONMENT AND
DRIVING TASKS WELL-UNDERSTOOD
AND WELL-DEFINED.*

LEVEL 5



**FULLY
AUTONOMOUS**
ALL FUNCTIONS
CAN BE
COMPLETED
WITHOUT
OPERATOR
INTERVENTION,
UNDER ALL
CONDITIONS,
WITHOUT
REQUIRING ANY
HUMAN
INTERVENTION OR
OVERSIGHT.

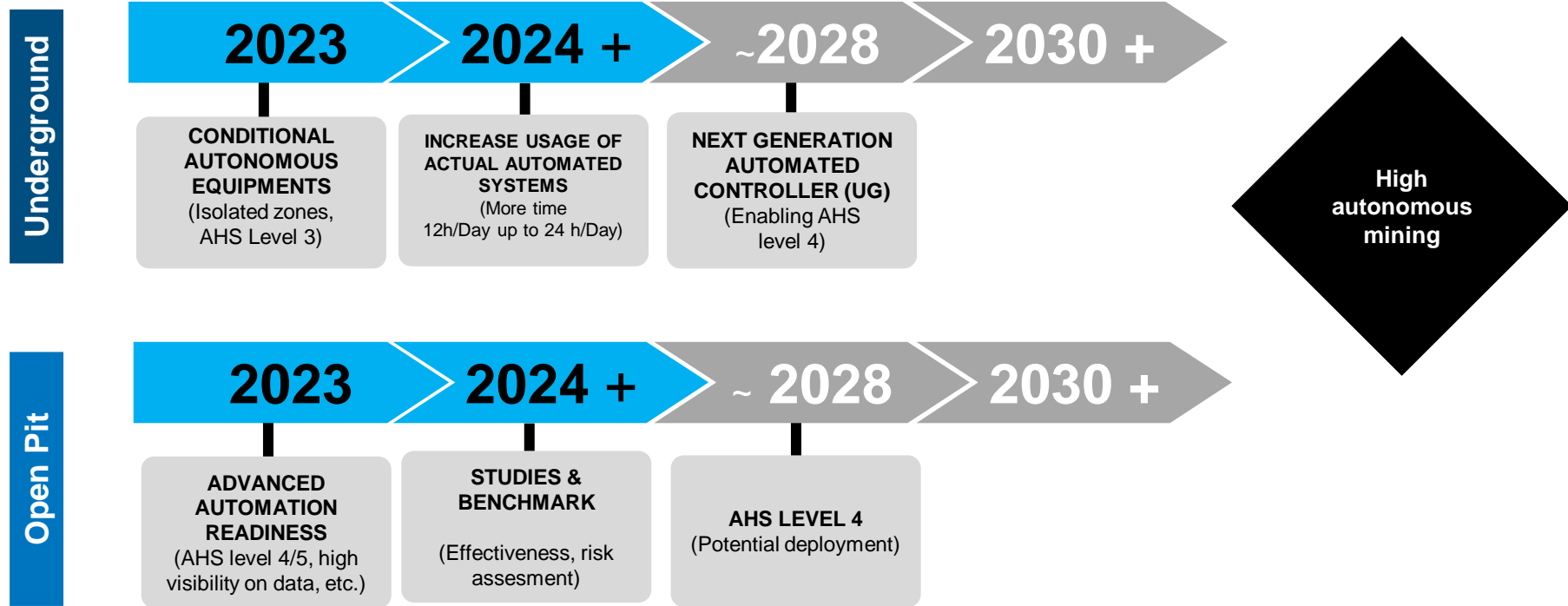
*LEVEL 5 VEHICLES THAT
CAN OPERATE UNDER ALL
CONDITIONS. THIS
INCLUDES NAVIGATING
THROUGH COMPLEX URBAN
ENVIRONMENTS,
HIGHWAYS, RURAL AREAS,
AND ADVERSE WEATHER
CONDITIONS.*



AGNICO EAGLE

EXECUTION STRATEGY

HIGH-LEVEL TIMELINE MINING FLEET AUTOMATION



EXECUTION STRATEGY- PYRAMID ISA95 - MELIADINE MINE SYSTEMS



In reference to Justin Lustik • Mine Business Improvement and Project General Supervisor • Meliadine Mine

EXECUTION STRATEGY- STRATEGIC TIMELINE - MELIADINE MINE SYSTEMS



MAINTAIN



PHASE-OUT

centric
mining systems



2023

2024

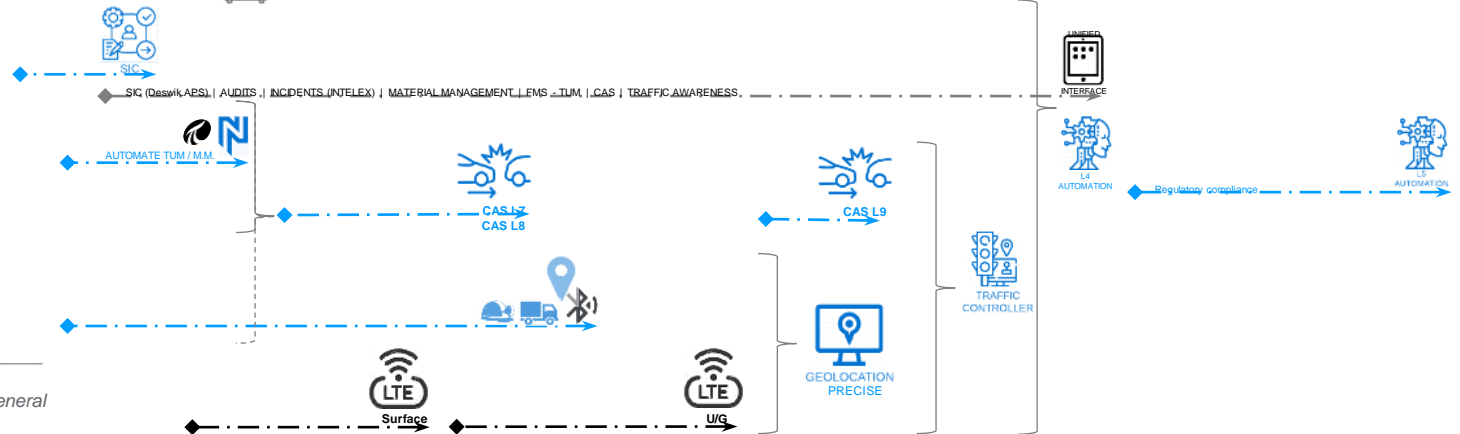
2025

2026

2027

2028+

PILOT & IMPLEMENT



In reference to Justin Lustik • Mine Business Improvement and Project General Supervisor • Meliadine Mine

❑ Different perspectives

- ❑ The economics of moving value chain bottlenecks
- ❑ Technology needs, are subject to change, based on context (*brownfield, green field, new zones, life of Mine*)
- ❑ Systems capable of meeting required goals, effectively, in all operational contexts (*dynamic mining via fixed mining automation*)

❑ Systems maturity (evolution)

- ❑ Operationalization maturity (site projects)
 - ❑ Robustness/stability/availability
 - ❑ Sustainability



Key success factor: strong ownership by the operator (sites)

Criticality of maintenance, troubleshooting, people development & vendor support

- ❑ Continuing to improve performance & availability remains critical
 - ❖ Requires accurate measures & reports of systems performance (telemetry, KPI's, FMS, SIC)

❑ Leverage on market (systems evolving) - OEM's & Specialized technology vendors

- ❑ **Fleet electrification** – All fleet require redesign for electrification and redesign for automation
 - ❖ OEM's fleet technology roadmap till 2030 (in movement & varies)



AGNICO EAGLE

AGNICO EAGLE AUTOMATION ACTUAL STATE

AGNICO EAGLE AUTOMATION - ACTUAL STATE SUMMARY

Activity	Technology	LaRonde & LZS	Meliadine	Goldex	Odyssey	Kittilä	Detour Lake (OP)	Fosterville	Mexico	Benefits				
										Process productivity	Mine productivity	Safety	Quality	Workforce reduction
Development Surveying	MOSS & Total Station (per driller)	x			x					x		x		
Development Drilling	Automated Jumbo	x	x	x	x	x				x		x		
Development Blasting	Avatel (Orica & Epiroc)					x						x		
Development Bolting	Boom Bolter (mechanized only)	x		x		x						x		
Development Cabling	Automated Epiroc Cabletek				x					x		x		
Development Face Mucking	Tele-remote Scoop	x			x					x	X LaRonde Deep			
Development into Paste Fill	Rock Header (mechanized only)		POC			x				x				
Production Boring	Automated Rhino & Easer		Project			x				x			x	
Production Drilling	Automated Production Drills	x	x		2024	x	x	x		Up to +2% between shifts		x	Multi-drills operation Detour & Kittilä	
Production Mucking	Tele-remote & Automated Scoops	x	x	x	x	x		x		X	x	x		
Production Hauling (AHS)	Automated Haul Truck	x	x							+10% between shifts	x			Positive IRR at Meliadine
Rock Hammer	Tele-remote (autonomous in development)	x		x										
Utility	Drones	X	X	X										

PRODUCTION AUTOMATED MINING (LZ5, LARONDE COMPLEX)

✓ LZ5 schedule designed to allow maximum 30% fully automated hauling

✓ **Achievements** 172,000 tons 2021 (13%)
148,000 tons 2022 (lower availability)
270,000 tons 2023 target

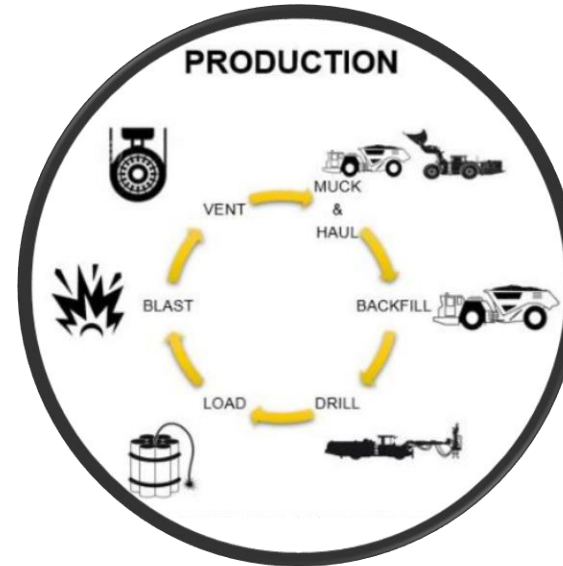
✓ **Longitudinal stope LHD muck faster in Tele-remote** (graphic in Appendix)

✓ **Automated drilling**

- 95% in automation mode
- Up to 500 feet per shift (up to 20% more productive)

Current Schedule = 5 / 4 / 7 / 5
120h Manual vs 48h Auto

	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche
Quart de jour (10h)	Manual	Manual	Manual	Manual	Manual	Manual	Manual
2h	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Quart de nuit (10h)	Auto	Auto	Auto	Auto	Auto	Auto	Auto
2h	Auto	Auto	Auto	Auto	Auto	Auto	Auto



1 Production ITH drill (DDU412)



3 LHD'S



7 Haul trucks
Up to 10 2023
& 14 2025

PRODUCTION AUTOMATED MINING (MELIADINE MINE)

- ✓ **Meliadine optimized schedule planned to allow maximum 14% fully automated hauling**
 - FIFO crew change - all UG production on same day (allows up to 10% automated hauling)
 - Improved gas clearance check procedure (will allow up to 14% automation time)

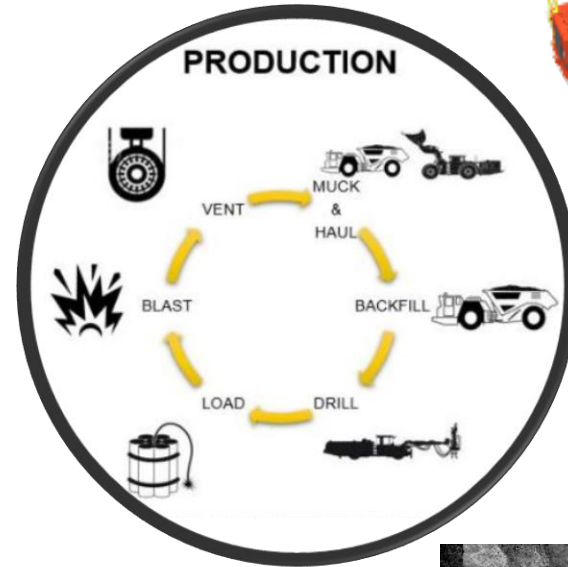
- ✓ **Achievements**

27,000	tons - end of 2022)
6,000	onces milled
40,000	tons - 2023 target

- ✓ **Positive cashflow achieved by end of 2022**
 - Business case based on production increase

- ✓ **Automation utilization continue to increase**
 - RP1 - 24h/24h automated mucking and hauling planned
 - Additional trucks
 - 24h/24 mucking in critical stopes

- **Rhino (Boring drilling) automation planned in 2023**
 - ✓ [Technology transfer from Kittilä mine](#)



LARONDE AUTOMATION MINING & TECHNOLOGY

New technologies to protect our workers and maintain our productivity

- ✓ **Stope automated & tele-remote mining**
 - 4 stopes per day in tele-remote
 - 1 Sandvik scoop dedicated for development (2023 project)
- ✓ **Development mucking in tele-remote & semi-autonomous**
 - Fast development rate achieved in track drift (2021)
 - Development contract executed by CMAAC
- ✓ **MOSS - Surveying system**
 - Surveying station & tablet
 - Intuitive system
 - Each round surveyed
 - LTE connected
 - Require 10 to 20 minutes
- ✓ **SSD program with Innovation group**
 - **Objective - 5 meters away from the face**
 - ❖ Workgroup - improvement
 - ❖ Tesman explosive tele-remote loader - Tech watch
 - ❖ Avatel explosive autonomous loader - under test at Kittilä



4 LHD'S
(CAT COMMAND)



1 LHD
(SANDVIK)



DEVELOPMENT TECHNOLOGIES

➤ Automated boomer (Jumbo)

- ✓ In operation in our mines

- ❖ Automated support & explosive loading equipments Under development

Innovation

- **Soft rock mechanical cutting** (< 100 MPA)
 - Geotech compatibility investigated
 - ❖ Partial compatibility
 - File still open, the technology is ready for favorable geotechnical conditions
- **Hard rock mechanical cutting**
 - Innovation & consortium (CMIC) collaborate to develop hard rock mechanical cutting technology
 - ❖ MX650 Gen 2 - Continuous miner (including rock support)
 - ❖ Komatsu MC51



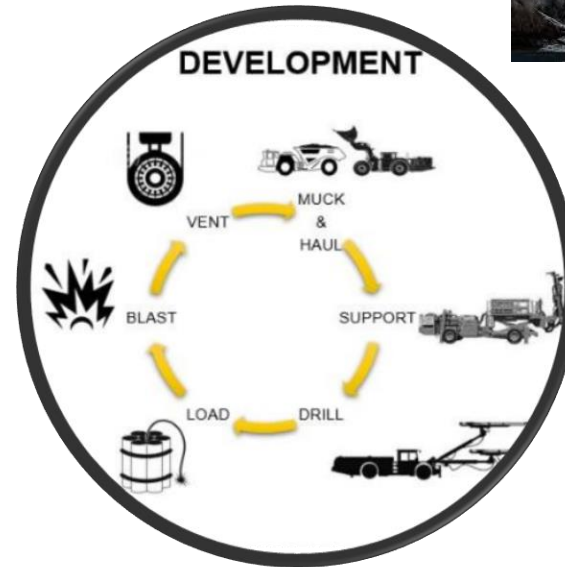
Automated Jumbo



Hard rock - MC 51



Continuous development mining (MX650)



SERVICE VEHICLE TECHNOLOGIES

Under Development

- **Autonomous military technology - AXUS**
 - Fully electric
 - Autonomous
 - Partnership via MISA - MMA 2030
 - Use case : small service vehicles
- **Maclean automated boom truck (OEM development)**



MOC

FORAGE DE
PRODUCTION

CIBLE
369165 t
ACTUEL
149185 t



CIBLE
18935 t
ACTUEL
1518 t



CIBLE
653 t
ACTUEL
0 t

CHARGEMENT &
DYNAMITAGE

CIBLE
100908 t
ACTUEL
61549 t



CIBLE
0 t
ACTUEL
0 t



CIBLE
0 t
ACTUEL
0 t

SOUTIRAGE &
TRANSPORT

CIBLE
321150 t
ACTUEL
80886 t



CIBLE
101452 t
ACTUEL
3769 t



CIBLE
3498 t
ACTUEL
0 t

CONCASSAGE



CIBLE
0 t
ACTUEL
0 t



CIBLE
130200 t
ACTUEL
12092 t



CIBLE
4200 t
ACTUEL
0 t

HISSAGE



CIBLE
1461538 t



CIBLE
0 t



CIBLE
0 t

MONITORING OPERATION CENTER

ENVIRONNEMENT

Qualité de l'air	####.#
La qualité d'eau	####.#
Consommation d'eau douce	####.#
Niveau du bassin de résidu	####.#
Niveau d'eau du bassin	####.#

ÉNERGIE

Émissions de GES (CO2e)	####.#
Consommation de carburant	####.#
Consommation d'électricité	####.#
Consommation de gaz naturel	####.#
Consommation explosive	####.#

MAINTENANCE SOUS-TERRAIN

N/A Actifs critiques mobiles
N/A Immobilisations essentielles fixes

MAINTENANCE SURFACE

N/A Actifs critiques mobiles



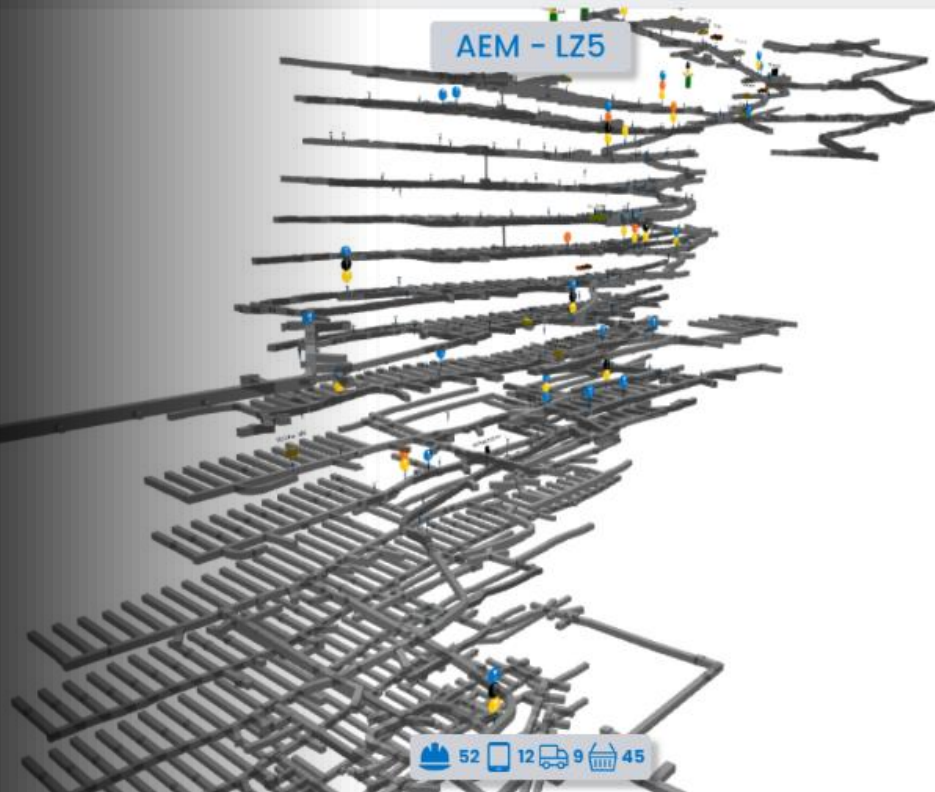
CONNECTED MINE & AUTOMATION



WIRELESS NETWORK + GEOLOCATION

LZ5 (LARONDE COMPLEX)

- ✓ LTE
- ✓ BLE
- ✓ IoT



SIC

Deswik.OPS & APS

- ✓ An integrated and scheduling-driven approach to short interval control in mining
- ✓ Mine plan, long term planning, short term planning & execution tracking, seamless data flow



FMS OP & UG

(Meliadine mine)

- ✓ Equipment time usage model (TUM)
 - ✓ Material management (source, destination, grade, stockpiles)
 - ✓ OP High precision shovels & Drills
-



A Fleet Management System (FMS) is a comprehensive software solution designed to help organizations manage and optimize their fleet of vehicles, machinery, or assets. These systems are commonly used by companies with a substantial number of vehicles, such as transportation, logistics, delivery, and construction companies, to improve efficiency, reduce operational costs, enhance safety, and streamline various aspects of fleet management.

Key features of a Fleet Management System often include:

1. **Vehicle Tracking and Monitoring:** FMS provides real-time GPS tracking and monitoring of vehicles, allowing fleet managers to know the exact location and status of each vehicle at any given time.
2. **Route Planning and Optimization:** FMS helps in planning the most efficient routes for vehicles, considering factors such as traffic conditions, fuel consumption, and delivery schedules. This can lead to cost savings and faster deliveries.





AGNICO EAGLE

CONCLUSION

CONCLUSION

Agnico Eagle's approach to mining automation

- Fostering technological advancement through internal innovators and technology developers
- Enhance our employees' expertise and experiences, and facilitate effective shaping of our future mines





QUESTIONS



THANK YOU !

Trading Symbol:
AEM on TSX & NYSE

Investor Relations:
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info@agnicoeagle.com



WORLD
GOLD
COUNCIL



AGNICO EAGLE

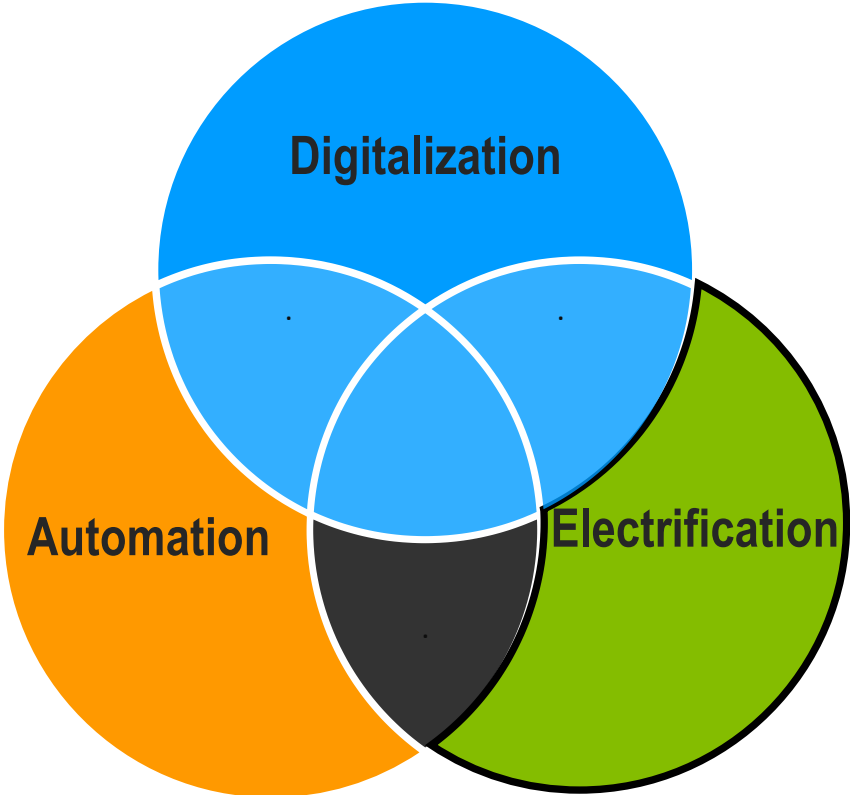


AGNICO EAGLE



APPENDIX

APPENDIX A – TECHNOLOGY CONVERGENCE



Advanced Technology Convergence



A diagram illustrating advanced technology convergence. It features a central yellow mining truck. To its left, three circular icons are labeled "AUTOMATION", "CONNECTIVITY", and "ELECTRIFICATION", each with a corresponding image. Dotted lines connect these icons to the central truck. To the right of the truck, a circular inset shows a truck on a road, with the text "Designed with the End in Mind". Below the truck, the text "Incremental vs. Transformational Product Changes" is displayed.

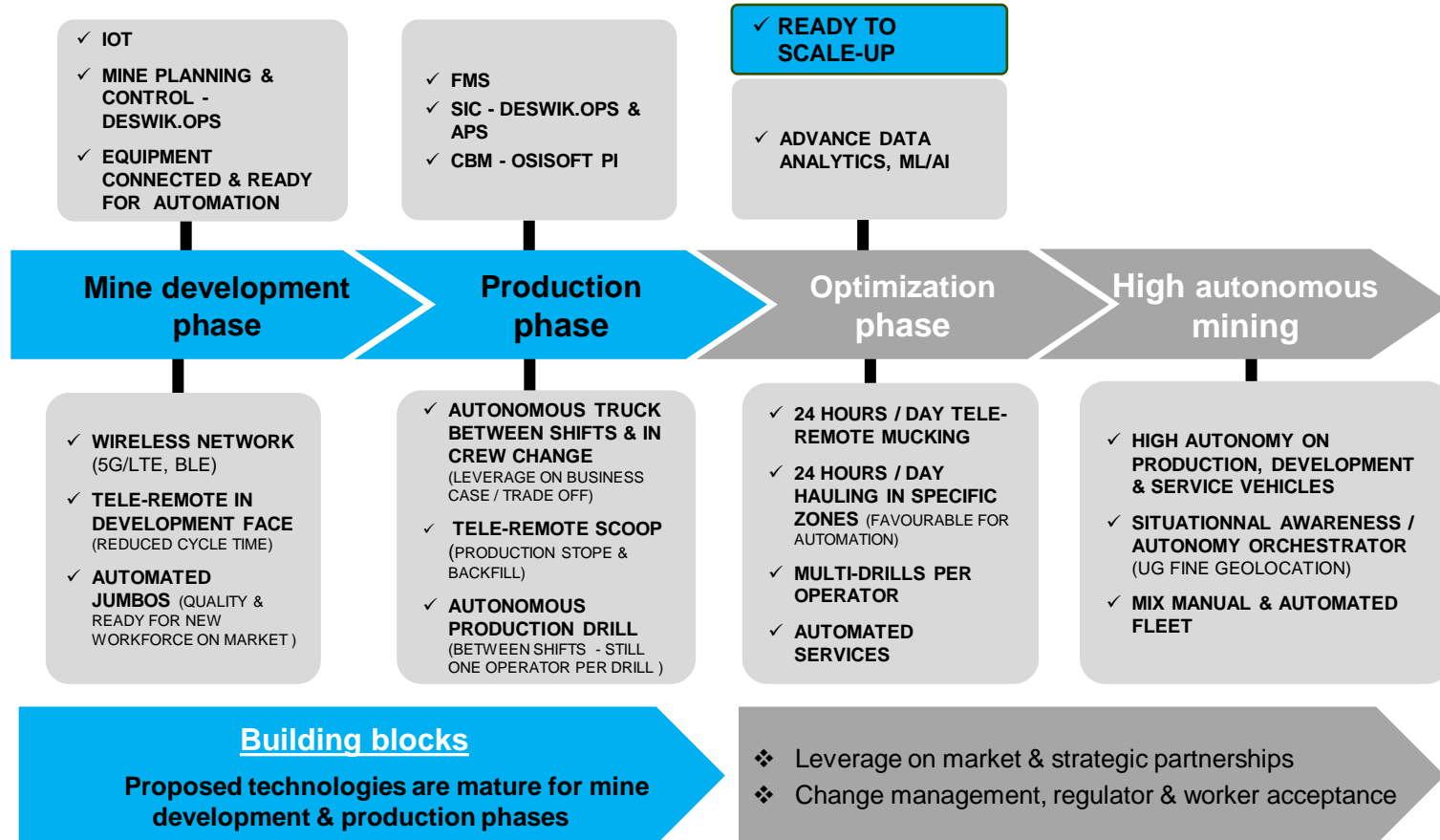


A vertical stack of three teal-colored boxes. The top box is labeled "Digitalization" and contains a globe icon. The middle box is labeled "Automation" and contains a truck icon. The bottom box is labeled "Electrification" and contains a lightning bolt icon.

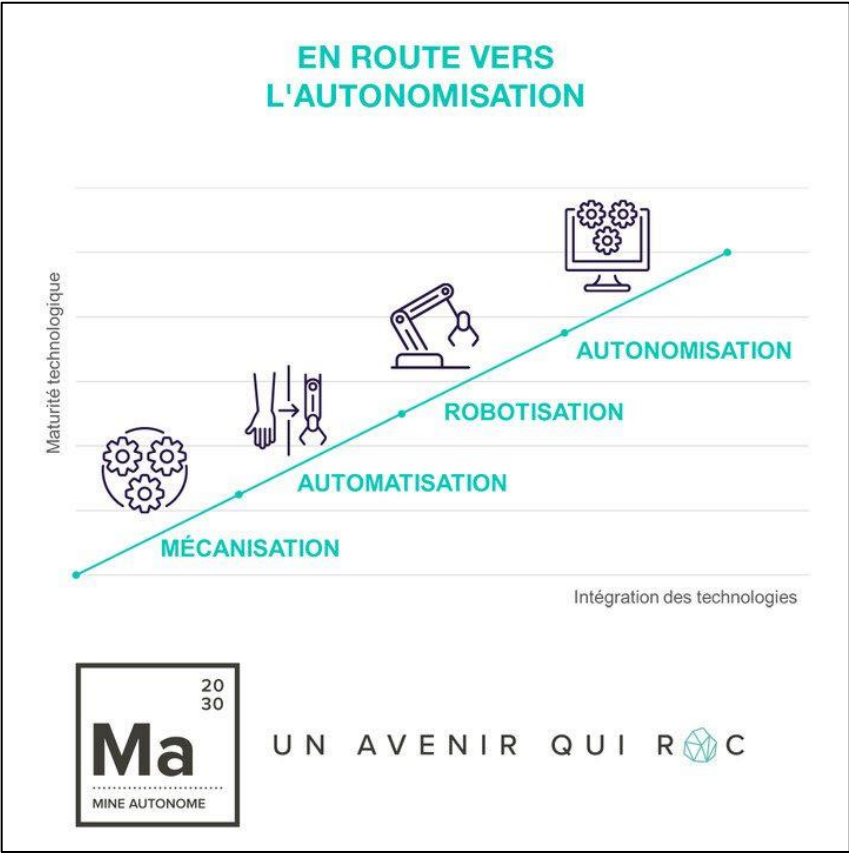
System Engineering

APPENDIX B - NEW MINE (UG MINE) - BUILDING BLOCKS

(TECHNOLOGY / AUTOMATION)



APPENDIX C – VERS AUTONOMISATION





AGNICO EAGLE



APPENDIX D

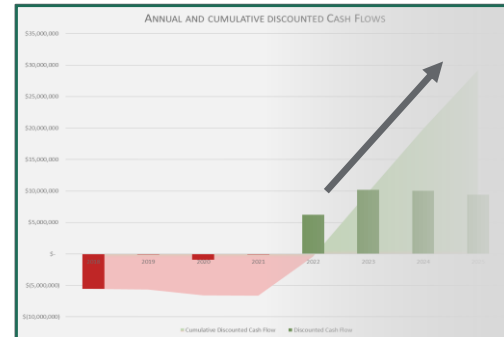
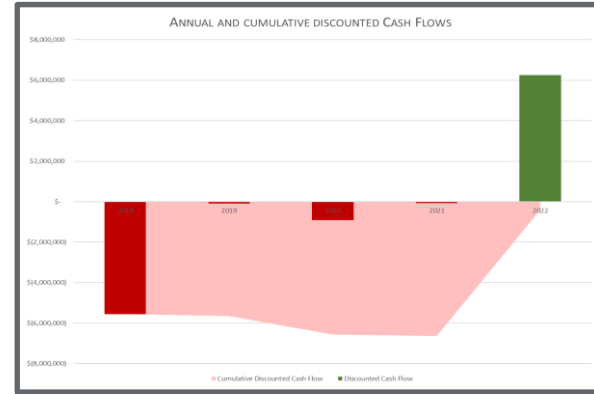
AUTOMATION BENEFITS

AUTOMATION BENEFITS - MELIADINE AHS INVESTMENT REVIEW (2018-2022)

RESULTS SUMMARY - YEAR 2022	
Total Project Cost Savings / Incr. Revenue	\$ 11,443,775
Total Project Expenditures	\$ (10,766,319)
Net Project Savings / Income	\$ 677,456
ROI	6%
Net Present Value (NPV)	\$ (528,947)
Internal Rate of Return (IRR)	2.65%
Payback Period	4.05
Breakeven Year	2023

* Wi-Fi Costs are included in business case (+-\$1.4M through 2022)

Project description
4 scoops & 6 haul trucks (UG)
 Automation decline mine (dynamic mining) - Automated trucks from stopes to portal (surface)
 Automated operations in blasting time & crew change increasing productivity

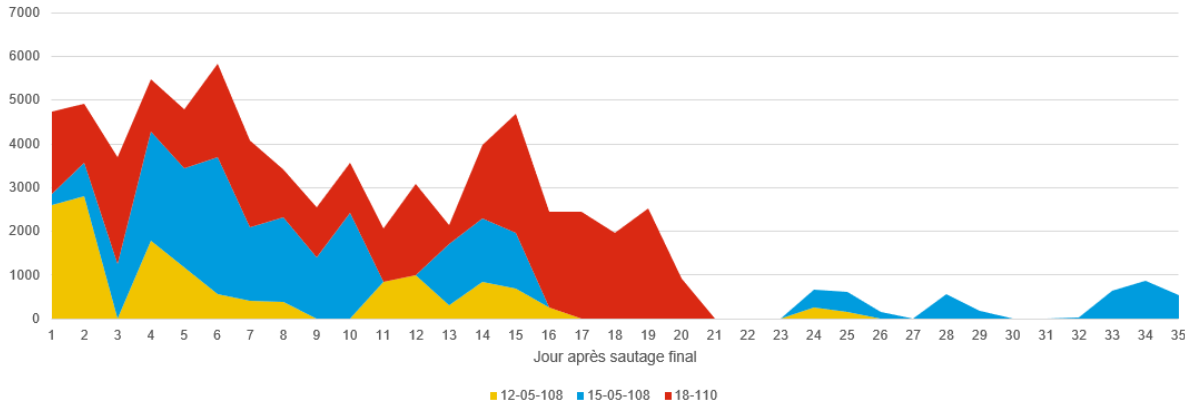


Unlocking Future Benefits and Opportunities

AUTOMATION BENEFITS – LZ5 LONGITUDINAL PRODUCTION STOPE MUCKING

PERFORMANCES CHANTIERS (LONGITUDINAL)

	Détail	Moy en soutirage	Moy soutirage total	Tonne total	Nombre de jour ouvert	Nombre jour soutirage
12-108	Pas d'automine 24/24	938	563	14065	25	15
15-108	Automine 24/24 en début	1165	732	25633	35	22
18-110	Automine 24/24	1656	1656	36438	22	22



Longitudinal stope
(mainly brow open)

20% to 40% Faster
24/24 tele-remote operation

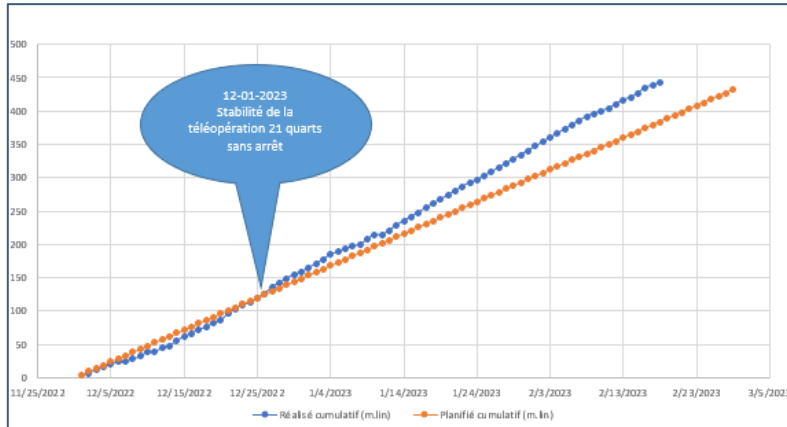
Comments

Mucking open brow faster in tele-remote

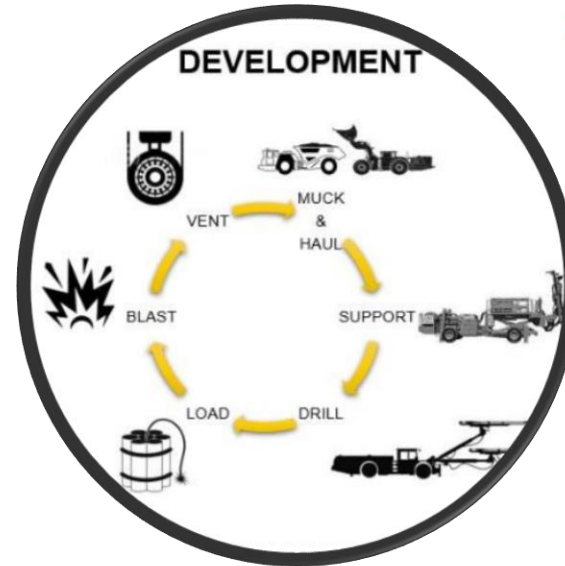
Manual mucking faster than automated

Overall automated mucking performance positive

- ✓ **Development mucking in tele-remote** (autonomous & semi-autonomous included - depends on cycle)
 - Fast development rate achieved (ramp down single face)
 - Development contract executed by CMAC
 - Up to 20% increase in development rate measured



5x ST18 LHD
4 coming in 2023



AUTOMATION BENEFITS - DRILLING



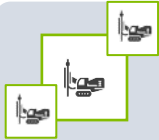
Automated ITM production drill
(DDU412)

Up to 600 feet per shift (*peak*)
LZ5 - Forward to more productivity (up to +20%)
Best way to drill (precision, etc.)



Kittilä - UG production drilling

Kittilä - Multi-drills per operator



Open Pit production drilling

Detour Lake - Multi-drills per operator (*no sampling with production drills*)



Automated Jumbo

Increased drilling accuracy, gallery quality, reduced "human factor", safer (miner away from face), reduced overbreak



Automated diamond drill
(leded per Eric Alexandre)

+ 20% more productive
Less operator per drill
(1 per drill instead of 2)



Trading Symbol:
AEM on TSX & NYSE

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