

# KOMATSU



## Press and media presentation

September 2024

**MINEXPO**  
INTERNATIONAL.

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## Cautionary statement

The information set forth herein contains forward-looking statements which reflect management's current views with respect to certain future events, including expected financial position, operating results, and business strategies. These statements can be identified by the use of terms such as "will," "believes," "should," "projects" and similar terms and expressions that identify future events or expectations. Actual results may differ materially from those projected, and the events and results of such forward-looking assumptions cannot be assured.

Factors that may cause actual results to differ materially from those predicted by such forward-looking statements include, but are not limited to, unanticipated changes in demand for the Company's principal products, owing to changes in the economic conditions in the Company's principal markets; changes in exchange rates or the impact of increased competition; unanticipated cost or delays encountered in achieving the Company's objectives with respect to globalized product sourcing and new Information Technology tools; uncertainties as to the results of the Company's research and development efforts and its ability to access and protect certain intellectual property rights; and, the impact of regulatory changes and accounting principles and practices.

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# Featured executive leaders – press event

Presenting:



**Peter Salditt**  
*President and CEO*  
Komatsu Mining Business



**Brian Fox**  
*Sr. Vice President*  
Mining Strategy  
and Innovation



**Shingo Hori**  
*Executive Officer*  
Mining Division

Participating in the  
chat and Q&A:



**Rod Schrader**  
*Chairman and CEO*  
Komatsu America  
Corp.



**John Koetz**  
*COO and EVP*  
Strategic Business  
Operations



**Brian Thompson**  
*Division President*  
Joy Underground  
Soft Rock



**Doug Eamer**  
*Sr Vice President*  
Underground Hard  
Rock



**Dan Funcannon**  
*Sr. Vice President*  
Surface Haulage



# About us

# Komatsu at a glance

Founded in

1921

211

Sales and service distributors

58

Manufacturing operations

64,343

Consolidated number of employees

With more than a century of experience, Komatsu is one of the world's largest manufacturers and suppliers of earth-moving equipment.

We have manufacturing operations across the globe, with mother plants in Japan, North America and Europe.

CO<sub>2</sub> emissions  
down 51% from 2010

Corporate headquarters

Tokyo

150

Countries operated in

6301

Tokyo Stock Exchange ticker

\$ 26.8 billion

Consolidated net sales\*

\*FY23 total, as of April 2024

# Komatsu mining product offerings

## KOMATSU



Haul trucks



Hydraulic shovels and excavators



Underground hard rock trucks



Dozers



Electric drive wheel loaders



Underground hard rock loaders



Rotary blasthole drills



Track blasthole drills



Underground hard rock drills and bolters



Motor graders



Mechanical drive wheel loaders



Reclaim feeder



Sizer



Surface feeder breaker

## P&H



Electric mining shovels



Draglines

## JOY



Longwall systems



Entry development systems



Room and pillar systems



Underground crushing



Tunneling equipment

## MONTABERT



CPAs



Hydraulic drifters



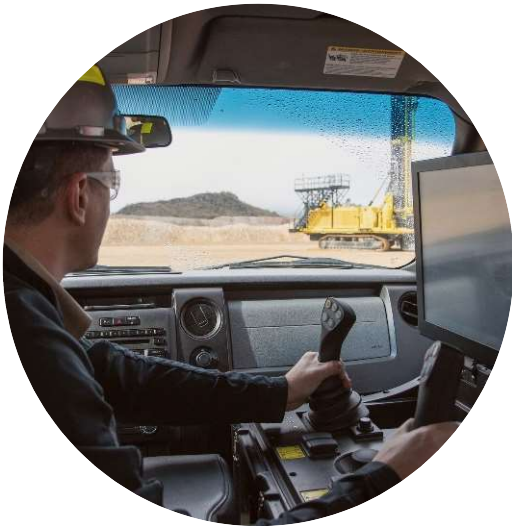
Breakers

## Global mining challenge

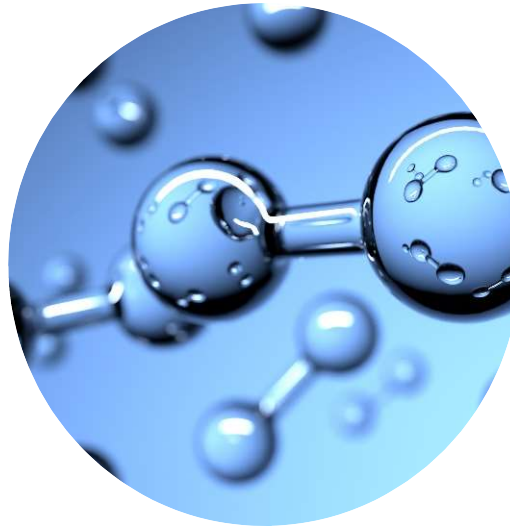
As the world electrifies there is a need to sustainably obtain more minerals from increasingly complex environments.



# Themes shaping the mining industry



Leverage technology to reduce complexity and continue to drive to zero harm



Sustainably increase productivity to meet demand



Inspire and drive career interest to impact recruiting



# Our commitment to education and industry training

Our education and training programs include focus on:



Technical skills training and learning opportunities



Building training centers globally



Mobile training programs through Immersive Technologies



STEM student initiatives



Workforce development and vocational training



Mentoring by Komatsu experts



**ENGINEERING ACADEMY**

# New customer driven products and solutions



Surface  
PADT 930E  
haul truck and  
GHG pathway



Underground hard rock  
WX04B load  
haul dump  
and charger



Surface  
GD955-7  
motor grader



Underground soft rock  
12HM  
continuous  
miner



Surface  
WE2350-4  
electric wheel  
loader



Smart mining  
Modular  
Ecosystem



# Strategic initiatives

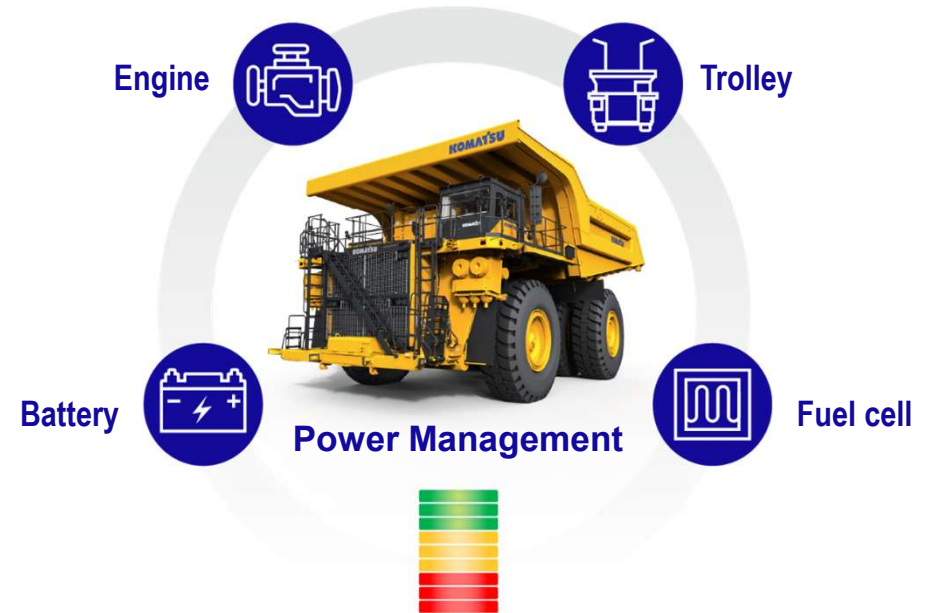
# Our strategic initiatives driving customer outcomes



# Greenhouse Gas Alliance




Partnering with our customers since 2021 to accelerate advancement of zero-emission systems

<b>Teck</b>	 CODELCO	<b>BHP</b>
 BOLIDEN	 GRUPOMEXICO	 KINROSS
<b>RioTinto</b>	GLENCORE	 ANTOFAGASTA PLC
 COLLAHUASI MUCHO MÁS QUE COBRE	 SUNCOR	<b>FREEPORT</b>







# Partnering to meet the needs of our customers

## Mergers and acquisitions

	Efficient use of equipment	Equipment improvements	Energy storage
			✓
		✓	
	✓		
	✓		
		✓	

## Alliances and strategic partnerships

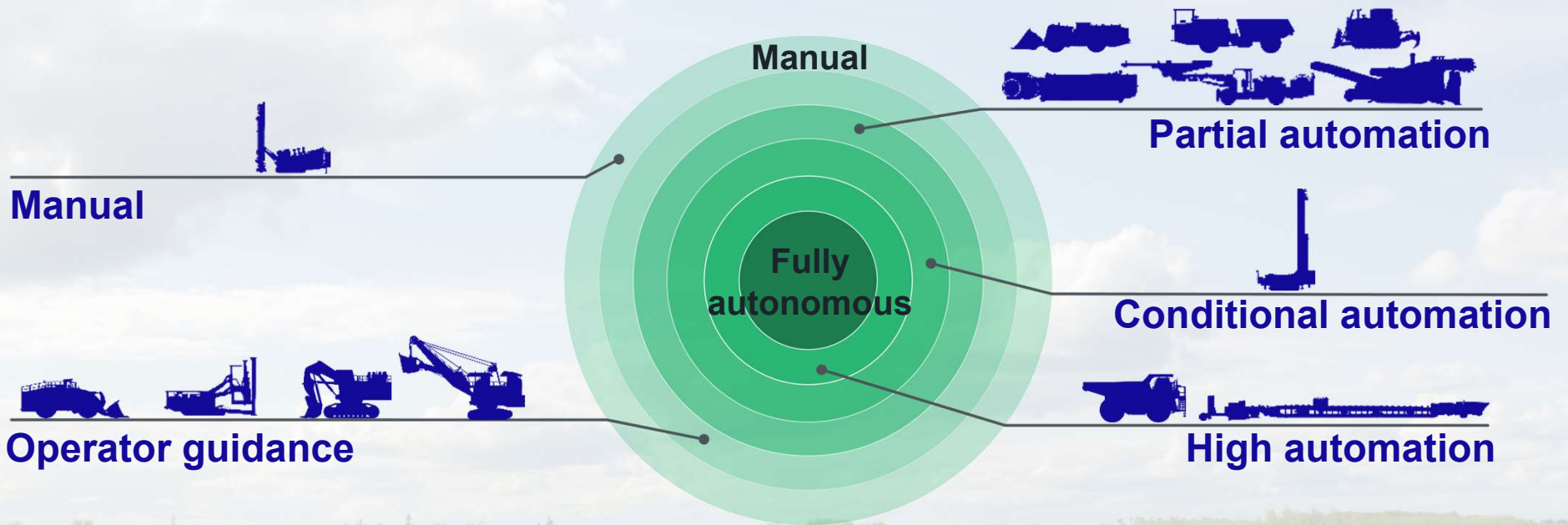
	Efficient use of equipment	Equipment improvements	Energy transfer	Alternate fuels
	✓		✓	
		✓		✓
				✓
	✓			

A large yellow Komatsu 980E haul truck is shown in a mining environment. The truck is positioned on a dirt road, and the background features a deep, terraced mine pit with power lines and utility poles. The scene is set in a dry, hilly landscape with sparse vegetation. The truck's model number '980E' and the 'KOMATSU' logo are clearly visible on its side.

# Automation

High precision equipment that drives consistency and efficiency

# Pathways to automation



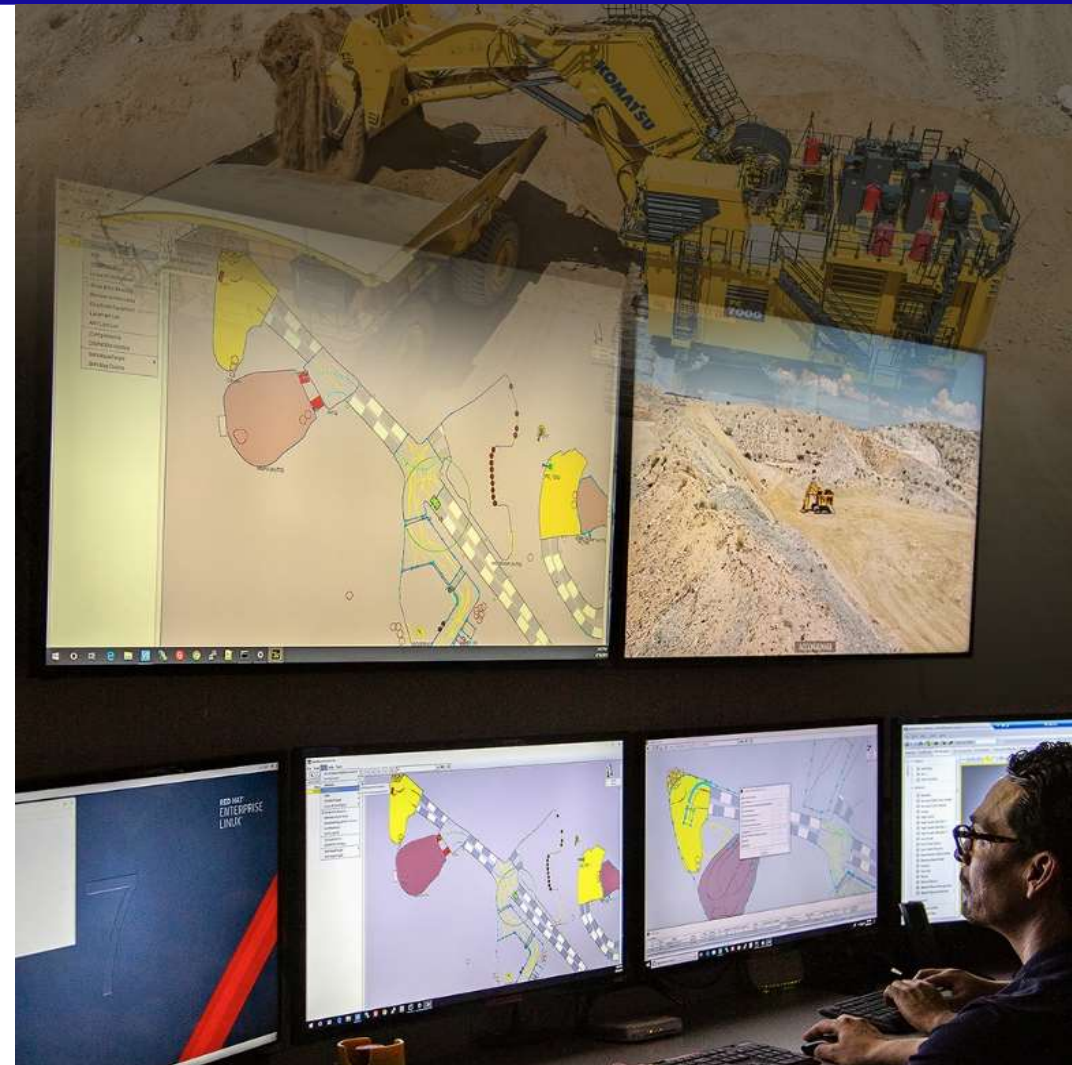
Note: Adapted from SAE J3016



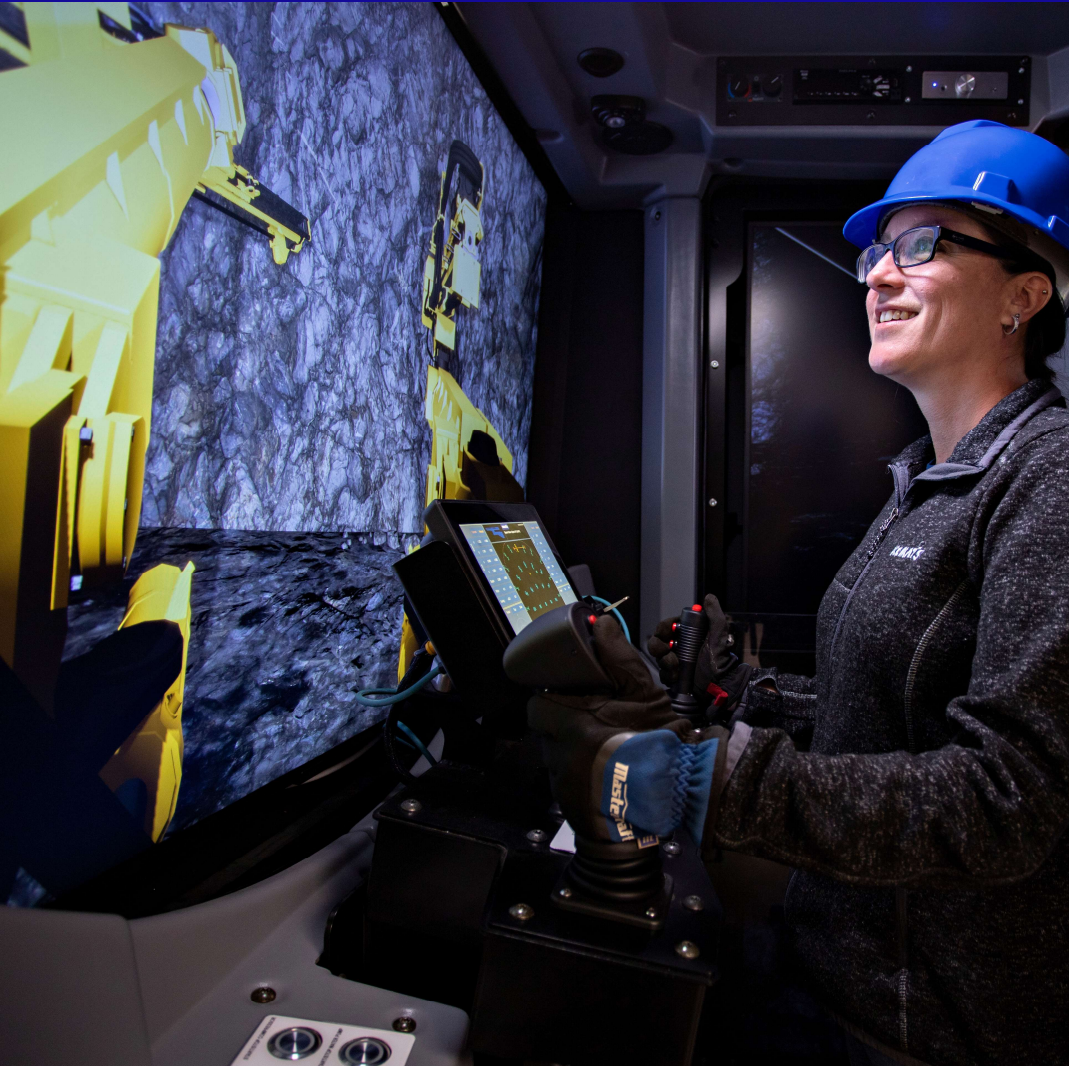
# Autonomous Haulage System customer achievements

FrontRunner AHS Delivering:

- 10 billion+ metric tons of material moved
- 750+ autonomous trucks commissioned globally
- 10 Komatsu trucks have surpassed 100,000 autonomous hour benchmark, an industry first!



## Teleoperation advancement



Allows our customers to remove operators from high risk and harsh environments.

Teleoperation Delivering:

- Non-line-of-sight for our blasthole drills and dozers
- Increased flexibility and safety
- Remote monitoring and simultaneous operation

Daily live demonstrations at  
Komatsu booth feature:

**IMC dozers and blasthole drills**

# Underground soft rock control and automation

Bringing consistency, productivity and safety advances, through data and automation.

12HM Delivering:

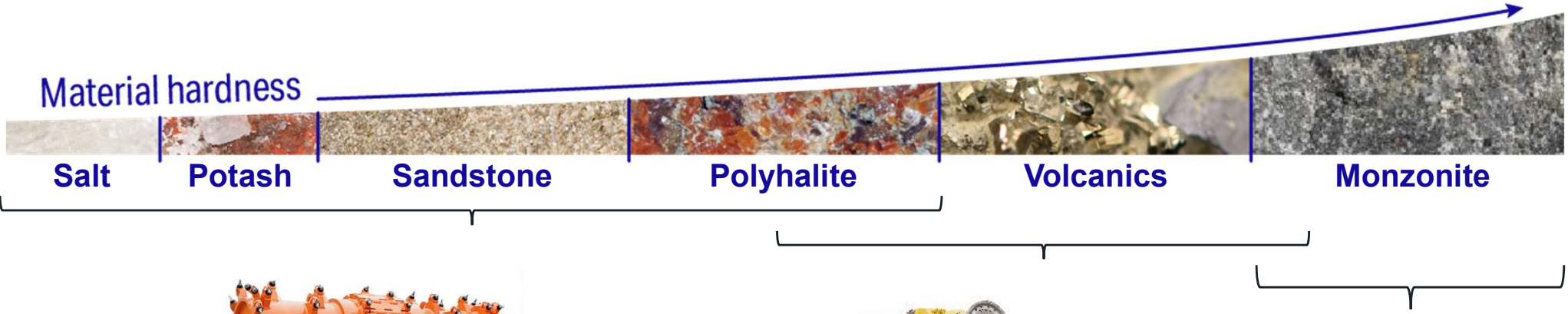
- Full remote operation with automated cutting and haulage options available

Longwall Command and Control Delivering:

- Surface control and operation through digital twin technology and advanced analytics



# Automated cutting across the spectrum



**12HM**  
(on display)



**MC51 DynaCut**



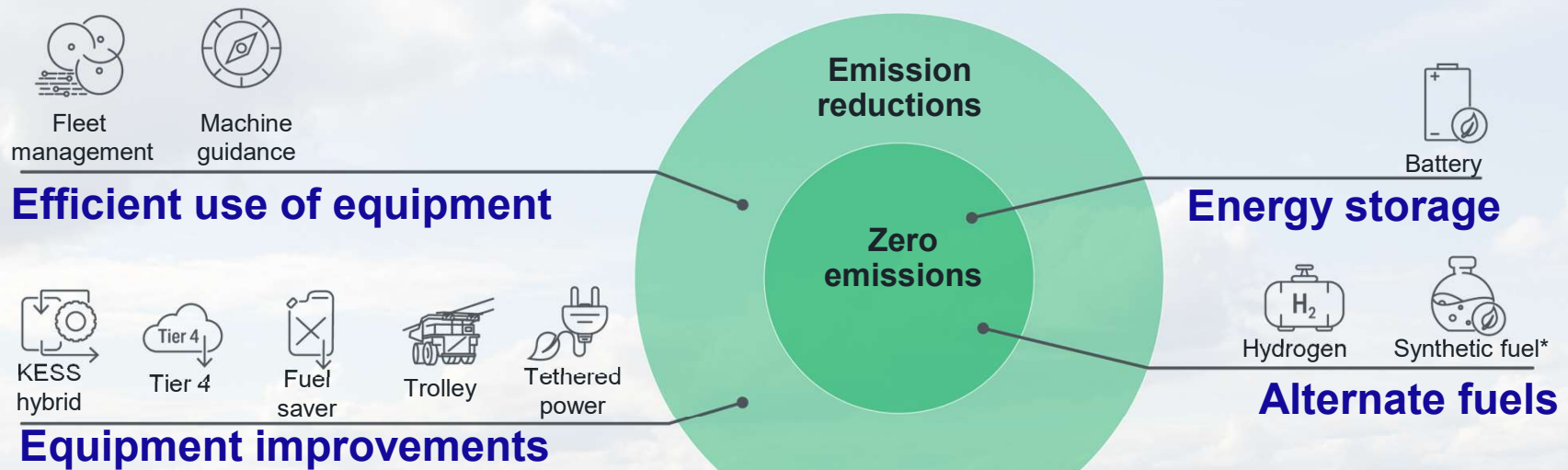
**Tunnel Boring Machine**



# Sustainability

Helping customers lower their carbon footprint and preserve resources

# Pathways to sustainability



\* When manufactured sustainably no below ground carbon sources released

# Power Agnostic 930E and GHG partner pathway

Battery Trolley (PABT) Prototype testing in 2025



*Electrification  
infrastructure*



*Battery module*



*Gen 2 hydrogen  
fuel cell*

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## Hybrid technology advancements

Helping customers move more material using less fuel.

### WE2350-4

- High-capacity, versatile machine to handle high-production loading
- Hybrid wheel loaders improve tons moved per gallon of fuel consumed making it an efficient addition to your fleet





# A new era in battery-electric mining solutions

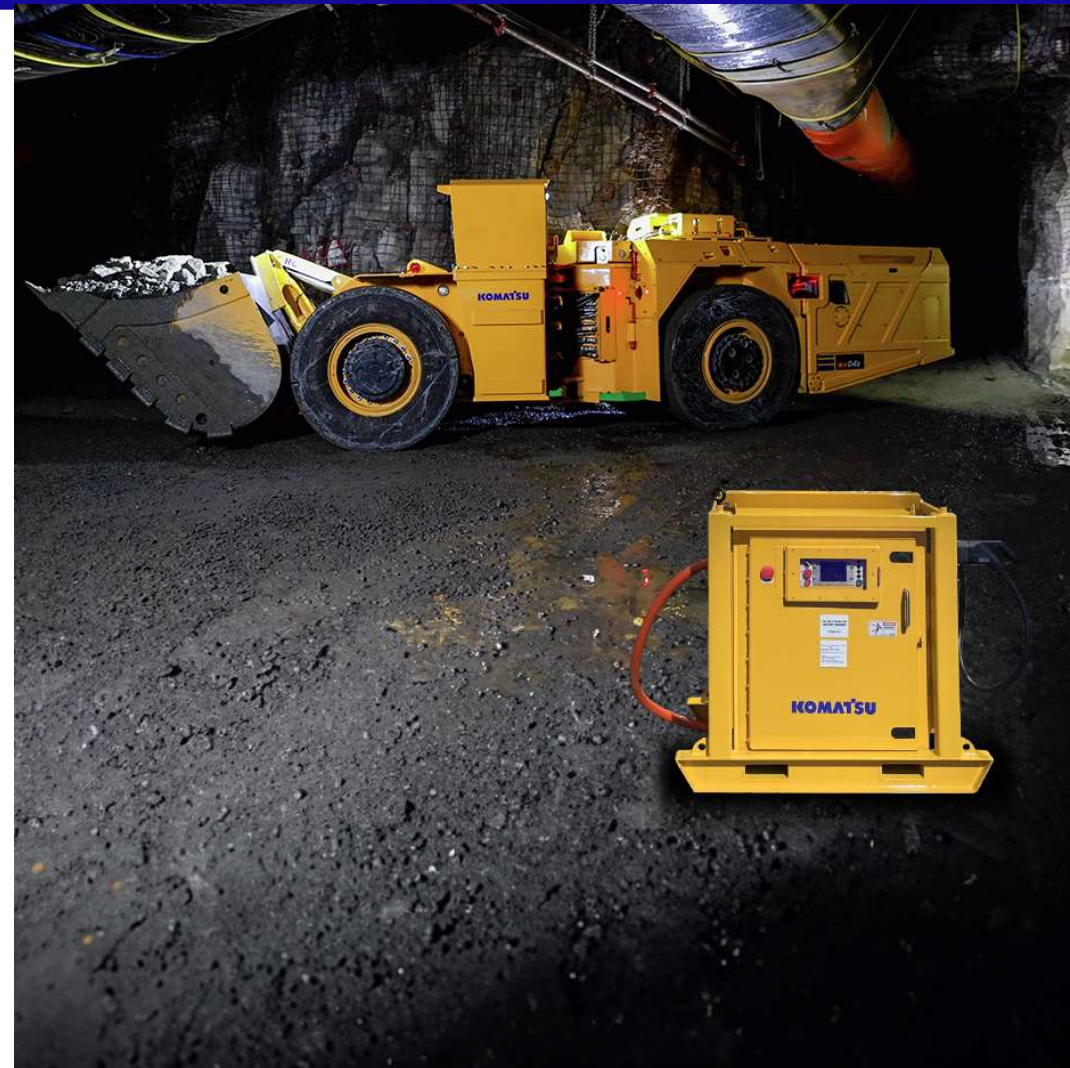
A zero-emissions option helps lead to environmental sustainability.

WX04B Delivers:

- Improved working conditions with reduced noise and heat
- Swap batteries easily with patented ground-level battery change alignment system

150kW CCS2 Battery Charger Delivers:

- Connection to the grid: no external transformer is necessary
- CCS2 compatibility: designed to work with any equipment that is marketed as CCS2-compatible

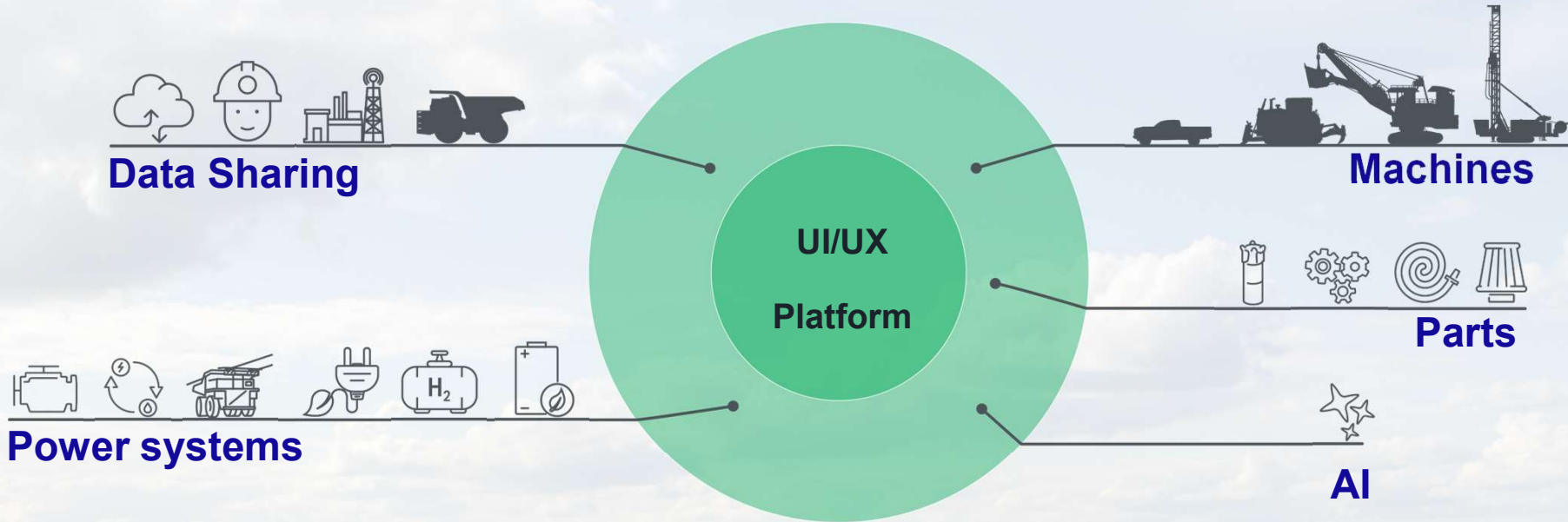


A yellow Komatsu ZT 44 tracked drilling rig is shown in a desert environment. The rig is positioned on a rocky slope, and its long drilling mast is extended upwards. The background features a clear blue sky and a hazy, rocky horizon. The rig has "KOMATSU" and "ZT 44" visible on its side.

# Interoperability

Connecting operational systems with  
integrated technology

# Paths to interoperability



## Autonomous Light Vehicle (ALV) Development



Enables light vehicles to traverse a site without interfering with the productivity of the autonomous trucks.

Toyota's ALV Delivers:

- Autonomous ALVs operating along haul roads
- Prevention of accidental contact
- Minimum speed reductions or brief stops of autonomous haul trucks while passing light vehicles

# Interoperable framework - Modular ecosystem



**Mining  
Analytics  
Platform**



**Mine  
Platform**



**Machine  
Platform**



Optimize your surface mining operation at every level.

Modular ecosystem Delivers:

- Freedom of choice and flexibility for all stakeholders, including partners, allowing mining operations to stay agile and competitive
- Provides confidence of data security by offering better oversight and control

# Underground digital ecosystem

Optimize underground mining processes, promotes zero harm, and boosts production performance.

MST Global delivers:

- A reliable underground digital ecosystem that operates independently or integrates with other systems
- Simultaneous voice, video and data transmissions; IoT and edge computing applications operate in real time



# Komatsu's commitment to global mining

Our focus on combining **autonomy, sustainability, and interoperability** empowers our customers to achieve their goals, enabling them to sustainably optimize their mining operations to meet the growing demand for critical minerals.



# Discover more!



Visit us at **Central Hall, booth 7132**  
to experience our equipment and  
solutions in person



Questions after the show?  
**Mason Raube**  
[mason.raube@global.komatsu](mailto:mason.raube@global.komatsu)



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# Questions