

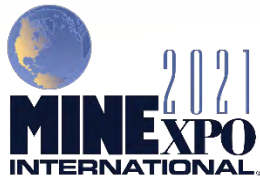
KOMATSU



Investor relations and analyst meeting

Komatsu mining business

September 2021



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.

Featured executive leaders

Presenting:



Rod Schrader
Chairman and CEO
Komatsu North America



Jeffrey Dawes
Vice President
Mining Business Division, KLTD
President and CEO
Komatsu Mining Corp.

Participating in the
chat and Q&A:



Max Moriyama
President
Mining Business
Division



Peter Salditt
President
Komatsu Underground
Mining



John Koetz
President
Komatsu Surface Mining



Jorge Mascena
Sr Vice President
Mining Technology
Solutions
President and CEO
Modular Mining

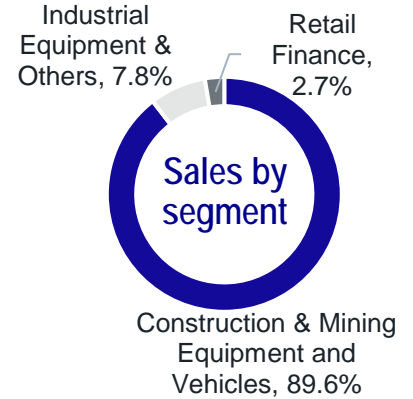
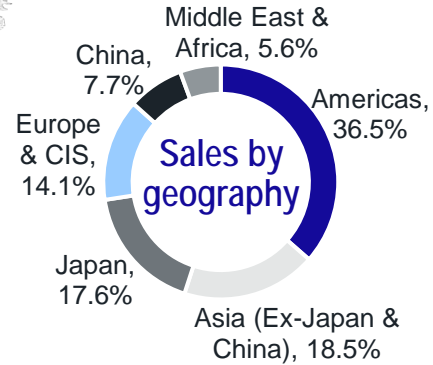


Shingo Hori
Sr Vice President
Mining
Technology
Solutions

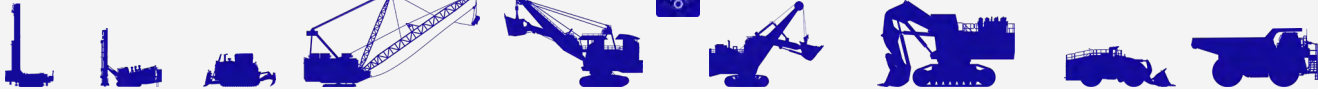
Komatsu at a glance

\$22.3 Billion
(last twelve months)

62,800 employees
65 countries



Full line of mining solutions in surface and underground applications



Creating value together

Mergers and acquisitions

JOYGLOBAL



Integrations

Formation of Mining Technology Solutions team



Alliances and strategic partnerships

NOKIA

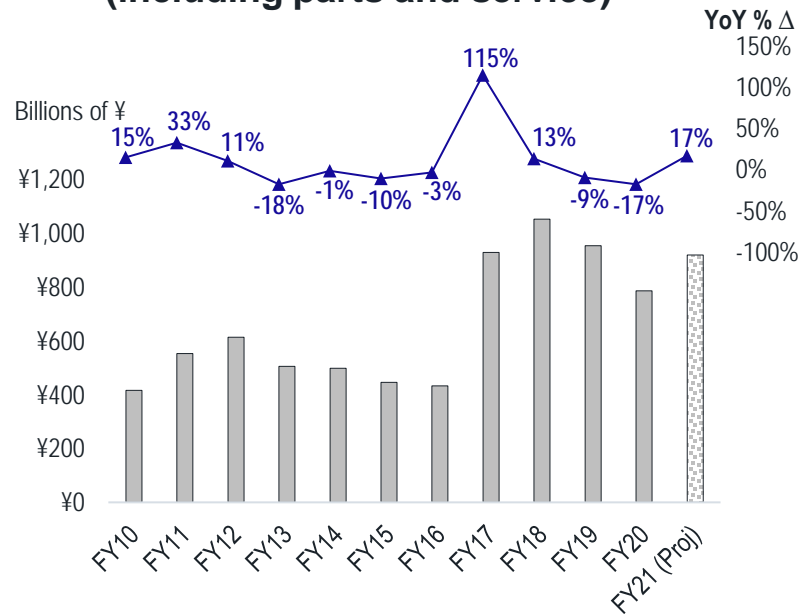


Cummins

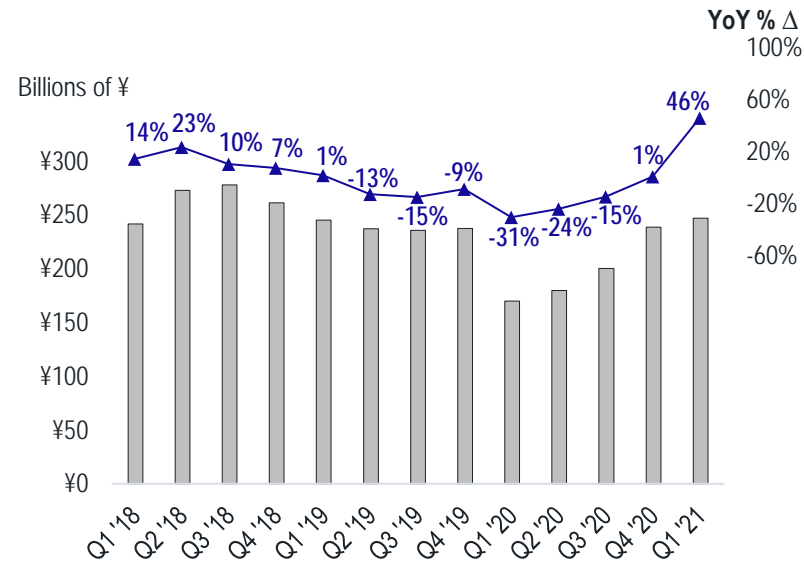


Komatsu global sales of mining equipment

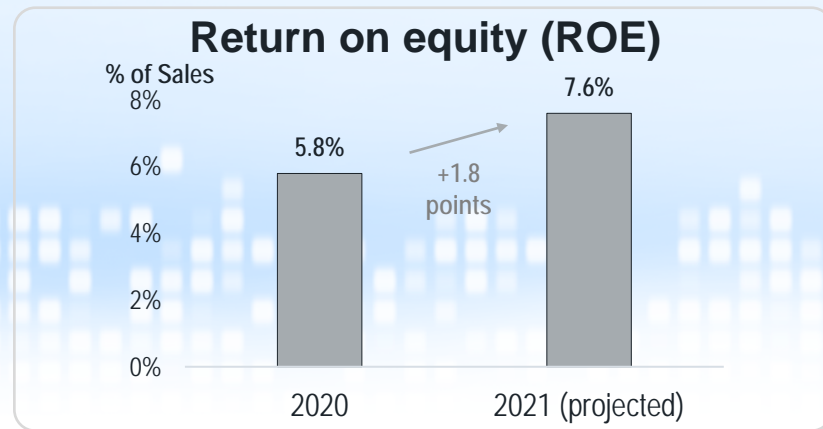
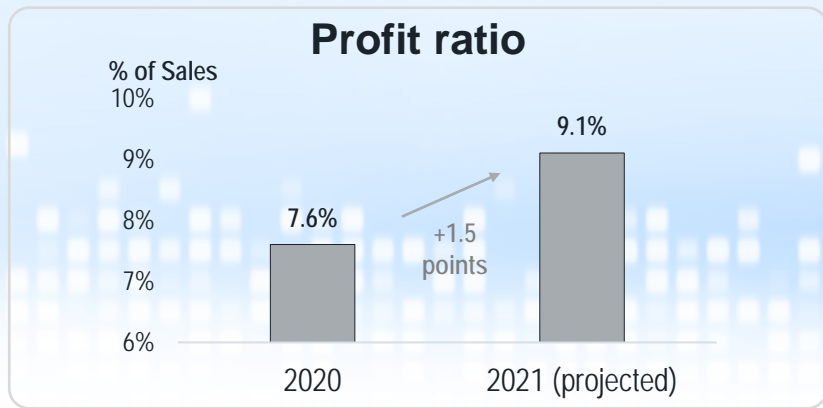
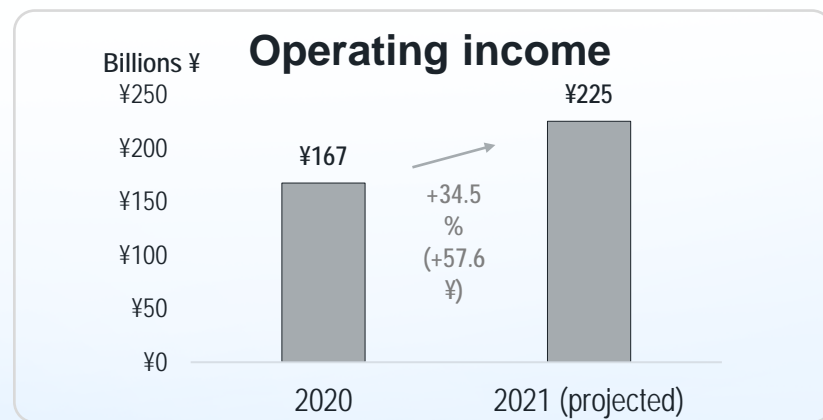
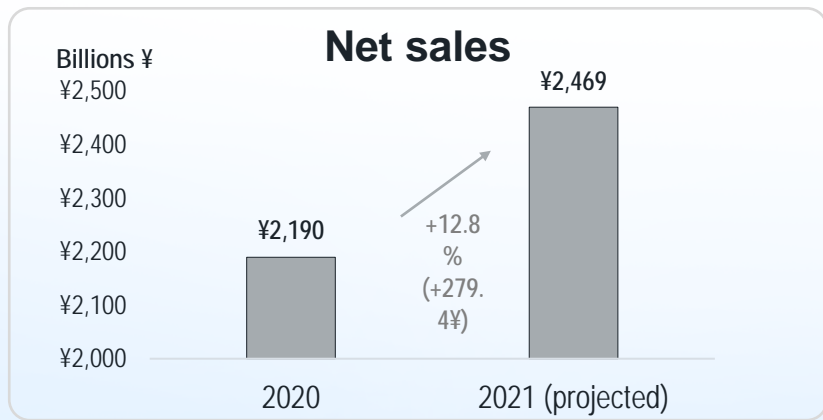
Annual sales of mining equipment (including parts and service)



Quarterly sales of mining equipment (including parts and service)



KLTD Outline of projection for FY2021





Market trends in the mining industry

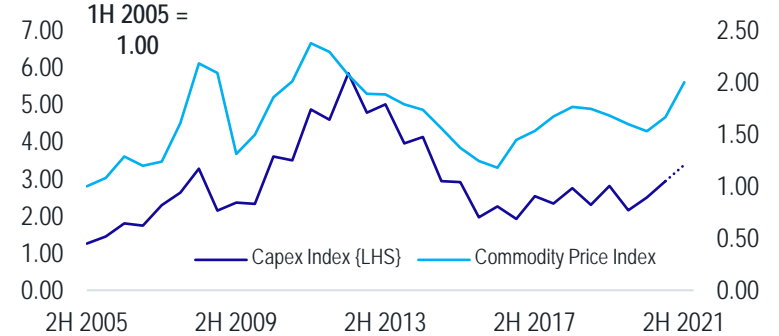
Global mining industry trends

Commodity price index

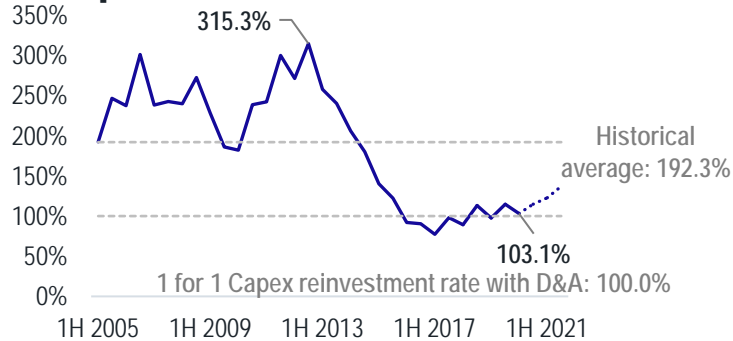


2: Thermal Coal, Copper, Iron Ore, Oil (WTI)
1: 47 Mining Company Sample

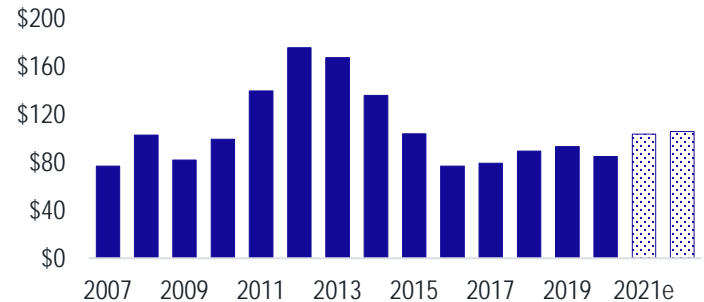
Capex vs. commodity price movements



Capex / D&A reinvestment rate



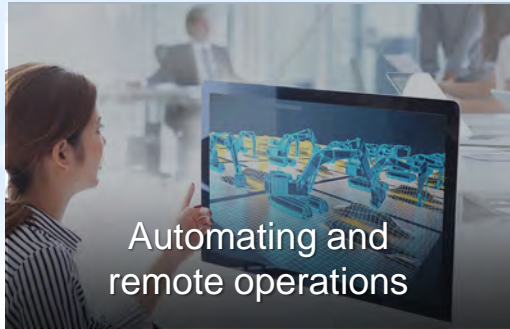
Capex long-term trends



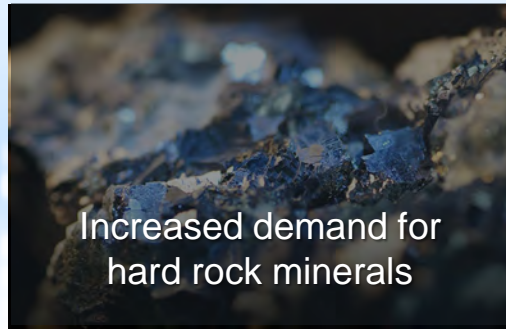
Source: Bloomberg, Company Data, IHS Markit Insight

Trends shaping the mining industry

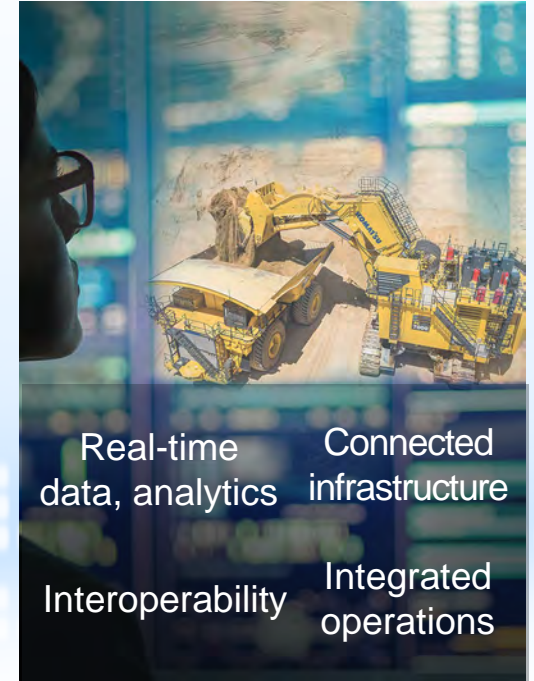
Driving to zero harm



Embracing a more sustainable future



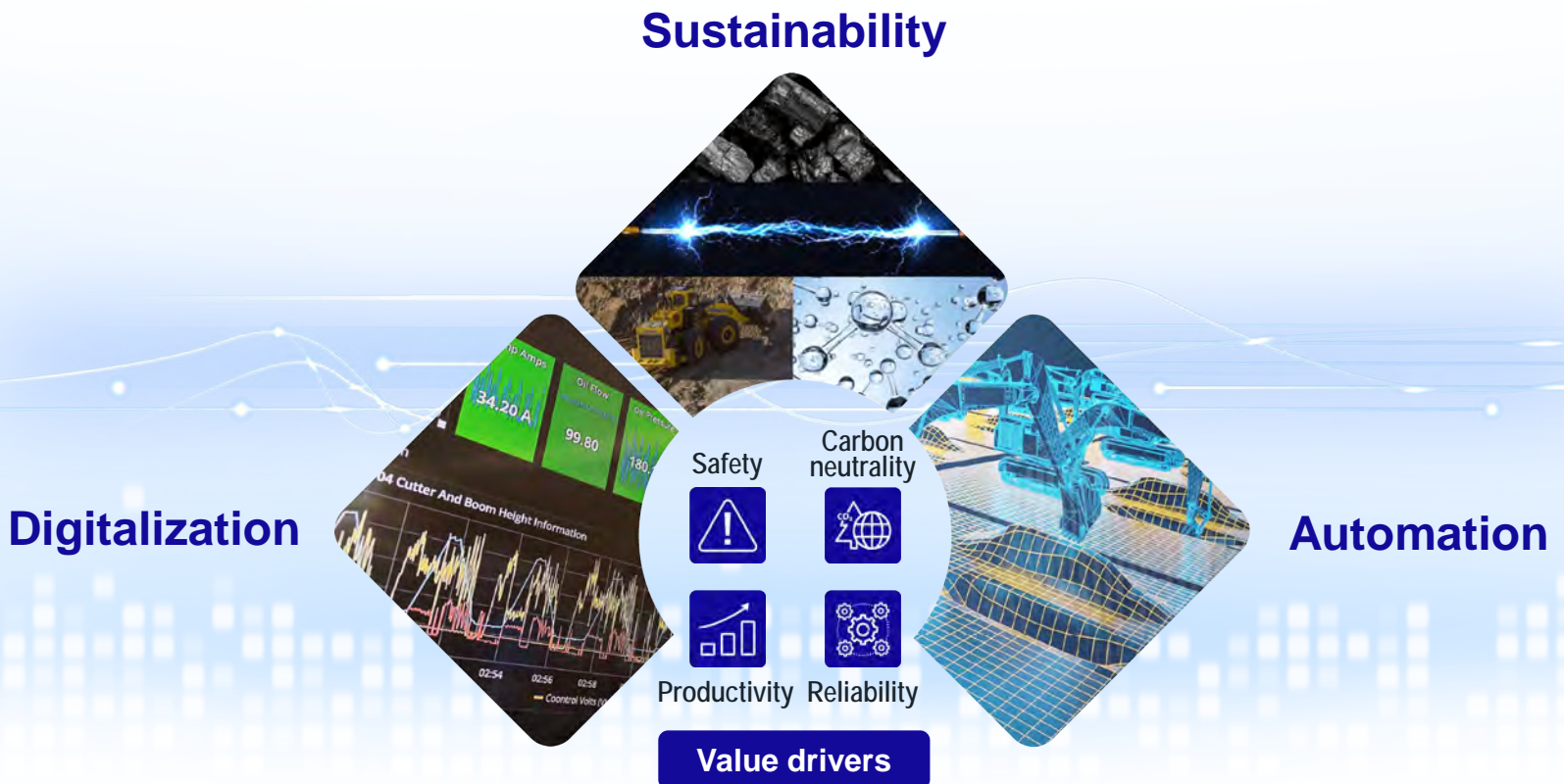
Adopting smart mining practices





Vision and strategic initiatives

Komatsu strategic initiatives





Digitalization

Using data to transform the way tasks, processes and operations are run

Digitalization roadmap

Discrete technologies



Best-in-class applications

Proprietary, closed, and non-common infrastructure

Connected data



Intellimine Synergy open-technology platform

—
Quality data

—
Integrated, collaborative ecosystem

—
Real-time edge computing

Data intelligence



Cloud computing

—
Analytics

—
Insights

—
Simulation tools

—
Digital twins

Integrated operations



AI

—
Minewide optimization

—
Autonomous, interoperable supervisory systems

Our smart mining vision

A connected, interoperable mining ecosystem designed to:

- empower rapid innovation through collaboration
- enable integration of the customer's chosen technology and equipment
- accelerate value delivery to mines



Intellimine Synergy enabling rapid innovation

An open-technology platform designed to collect, integrate and process data in real time

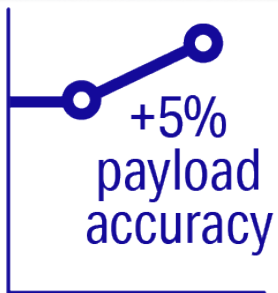


Visit the Modular booth #7671 for a sneak peek



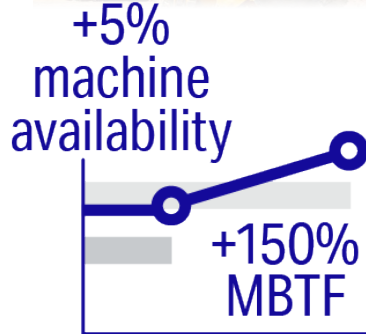
Data intelligence delivering value

Payload management



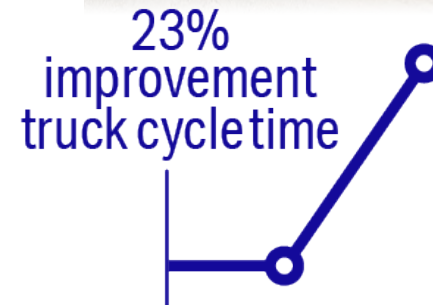
Results demonstrated
at customer site

Remote health management



Results achieved during
6-month program

Truck cycle optimization



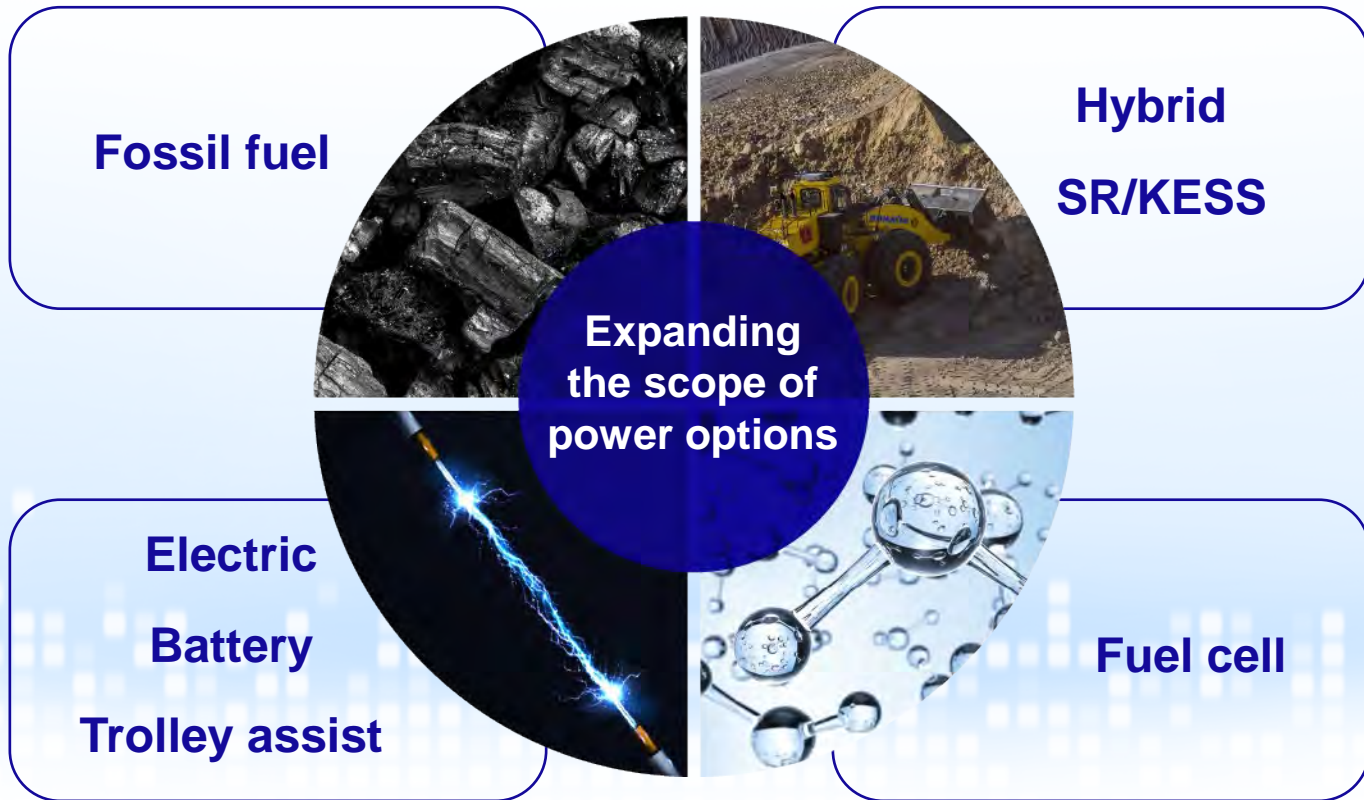
Results demonstrated
at customer site



Sustainability

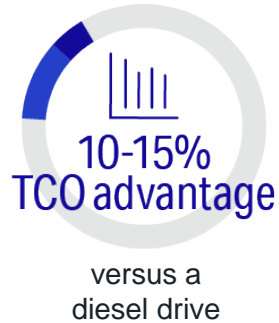
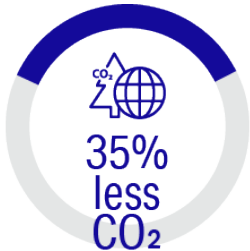
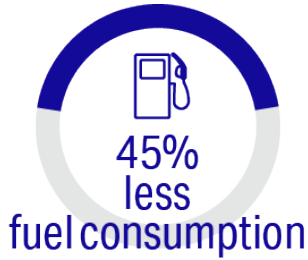
Supporting the drive for more sustainable mining methods

Sustainability: power source diversification

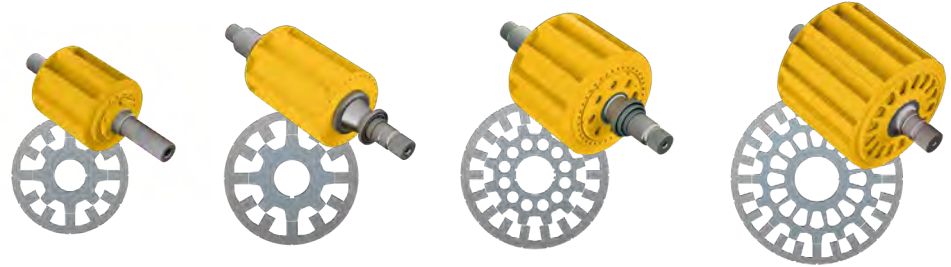


Expanding use of SR and KESS

SR + Kinetic Energy Storage System (KESS) advantages



Komatsu Switched Reluctance (SR) system scalable, simple, efficient



Hybrid
LHDs

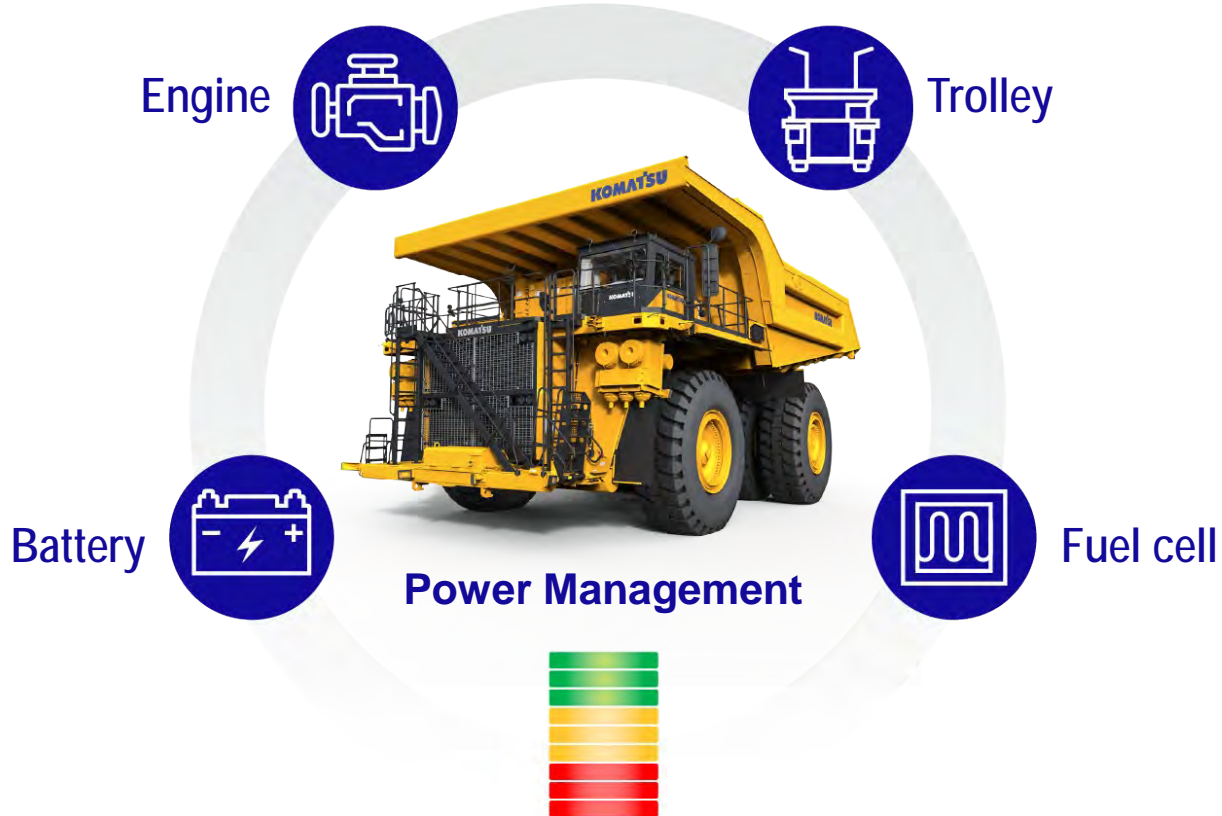


Large hybrid
wheel loader



Hybrid
shovel

Greenhouse Gas Alliance



RioTinto

BHP

 **CODELCO**

 **BOLIDEN**

Power agnostic truck development platform



Underground: leveraging electricity and batteries

Next-generation battery solutions: Lithium-ion



Can power a hauler up to

136,000
feet per charge

vs. 115,000
feet per charge

for lead-acid batteries

Less than
2.5 hours
Charge
time



Battery-electric



Fully electric



Automation

Increasing the use of advanced capabilities

The journey of automation



1

Manual



2

**Operator
guidance**



3

**Partial
automation**



4

**Conditional
automation**



5

**High
automation**



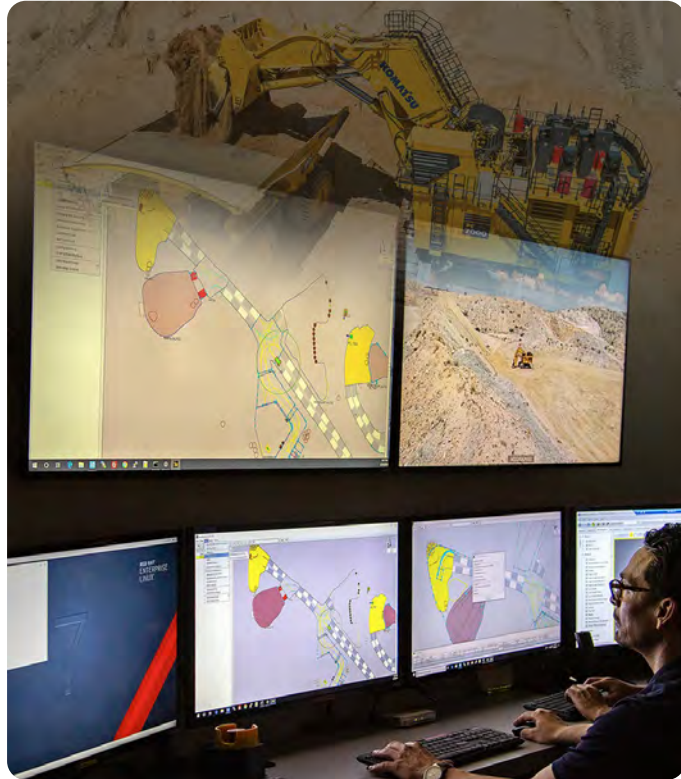
6

**Fully
autonomous**

Full operator responsibility

Full vehicle responsibility

Autonomous Haulage System (AHS)



Frontrunner AHS

13 sites
4 countries

—
**4+ billion tons
of surface material
moved**

—
**400+ autonomous
trucks deployed
globally**



Teleoperations



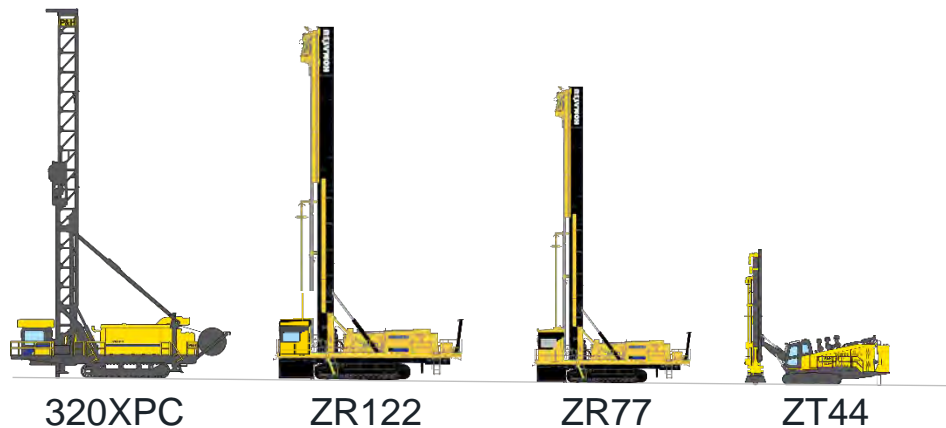
Teleoperation for excavators
live from our proving grounds in Tucson, Arizona

Demo features
PC7000 and **autonomous haulage vehicles**



Growing with our customers' drill automation capabilities

Expanding the Komatsu drill product line

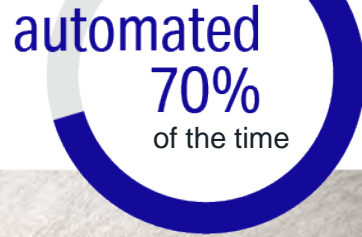


Accelerating drill automation development

Advancing underground automation

Room and pillar

Cut – haul – crush
process cycles

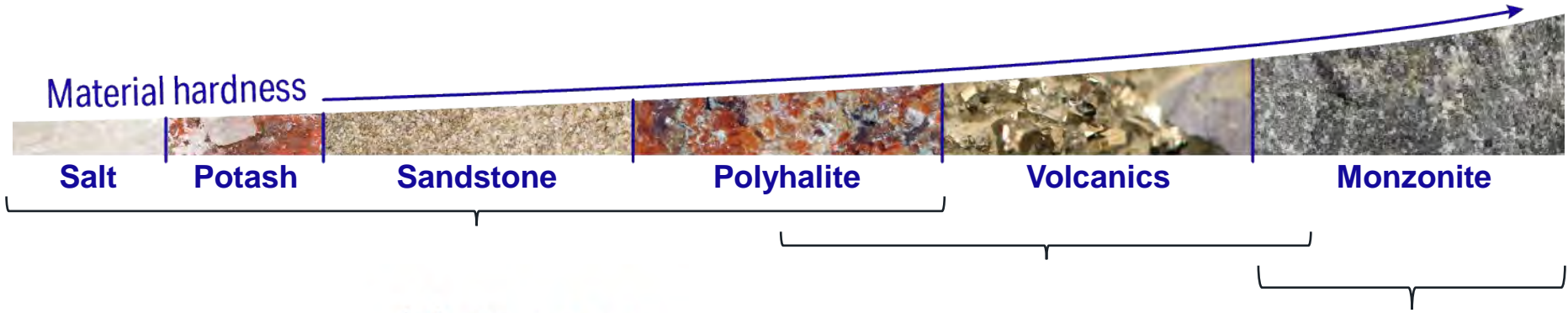


Longwall



Results demonstrated
in a case study

Automated cutting across the spectrum



Our commitment to hard rock

Innovative products and solutions



Retrofit solutions for existing fleets



Global sales and service



State of the art manufacturing center in Longview, TX



The future of mining





Questions

Thank You

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