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Komatsu announces collaborative customer alliance to advance zero-emission equipment solutions

New offerings to leverage electrification for next generation

August 2, 2021 — Working together to rapidly innovate in support of carbon reduction targets, Komatsu and several of its customers have formed the Komatsu Greenhouse Gas (GHG) Alliance. The founding members of the alliance are Rio Tinto, BHP, Codelco and Boliden.

Through the alliance framework, Komatsu's GHG partners will work directly with Komatsu to actively collaborate on product planning, development, testing and deployment of the next generation of zero-emission mining equipment and infrastructure. The alliance's initial target is advancing Komatsu's power agnostic truck concept for a haulage vehicle that can run on a variety of power sources including diesel electric, electric, trolley (wired), battery power and even hydrogen fuel cells.

"We are honored that our customers, several of the largest mining companies in the world, have agreed to participate in the Komatsu GHG Alliance and work in partnership with us to develop sustainable solutions for mining," said Masayuki Moriyama, president of Komatsu's Mining Business Division. "We look forward to close collaboration with these industry leaders to accelerate development and deployment of the next level of equipment designed to reduce greenhouse gases from mining operations and ultimately achieve the goal of zero-emission mining."



The formation of the alliance brings together mining leaders willing to share time, resources and information to deliver zero-emissions equipment solutions. Komatsu intends to expand the alliance to additional mining companies to enhance industry-wide collaboration on solutions to decarbonization.

As a company, Komatsu is committed to minimizing environmental impact through its business, targeting a 50% reduction in CO2 emissions from use of its products and production of its equipment by 2030 (compared to 2010 levels) and a challenge target of achieving carbon neutrality by 2050.

Komatsu has worked to reduce greenhouse gas emissions for customers through innovative product development for decades in many areas including electric diesel dump trucks, electric power shovels, regenerative energy storage capabilities and fuel saver programs.

The company's initial concept for a haulage vehicle that can run on a variety of power sources, part of the power agnostic development, is set to make its official debut at MINExpo 2021 on Sept. 13 in Las Vegas.



Komatsu's power agnostic development truck undergoes testing at a Komatsu facility in the United States.

About Komatsu

Komatsu develops and supplies technologies, equipment and services for the construction, mining, forklift, industrial and forestry markets. For a century, the company has been creating value for its customers through manufacturing and technology innovation, partnering with others to empower a sustainable future where people, business and the planet thrive together. Front-line industries worldwide use Komatsu solutions to develop modern infrastructure, extract fundamental minerals, maintain forests and create consumer products. The company's global service and distributor networks support customer operations to enhance safety and productivity while optimizing performance.

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