

Muck shifting

ADTs have got up to capacities of 60 t, like this Bell B60E, and will find their way underground



Some of the main news from the world of LHDs, underground trucks and more:
John Chadwick reports

Joy Global, through its acquisition of mti acquired a strong and innovative product line in LHDs and underground trucks. Komatsu America Corp, a subsidiary of Komatsu Ltd, has now completed its acquisition of Joy Global. Retaining its headquarters in Milwaukee, Joy Global will be renamed Komatsu Mining Corp and operate as a subsidiary of Komatsu. The company says it will continue to promote and invest in the P&H, Joy and Montabert product brands. Komatsu also says it remains committed to directly servicing the global mining industry and through its products, services and technologies is focused on helping customers improve productivity and safety in their operations worldwide.

"The combination of our Komatsu-brand surface mining equipment with the P&H, Joy and Montabert brands of surface and underground products will allow us to offer a complete range of mining solutions for our customers," said Tetsuji Ohashi, President and CEO of Komatsu. "We plan to build on the strength of our shared cultures, including our unwavering belief in safety first and our passion for providing innovative solutions, to become an unrivalled mining solutions and services provider."

Komatsu Mining Corp will be led by Jeffrey Dawes, formerly leader of Komatsu Latin

America. Dawes and the management team will be based in Milwaukee.

Caterpillar has added the new AD22 underground truck to its hard rock mining product line. The 22 t payload articulated dump truck is the smallest in the Cat® product line, yet it is designed to deliver the productive performance and durability of its proven, larger counterparts. Its small operating envelope and agile characteristics enhance productivity in any mining application suited for this size class.

The AD22 makes best use of proven Cat components, such as the C11 ACERT™ diesel engine. The durable engine delivers gross power of 242 kW to achieve superior speed on grade. The new truck shares major components with a number of Cat

The wide body design makes loading faster and easier. Multiple dump body sizes are available to optimise the truck for all mining applications suited to this size class.

The AD22 also takes advantage of Caterpillar ergonomic designs to create controls and instrumentation that help operators perform efficiently. An easy-to-read full colour LCD screen displays machine status.

Prior to the AD22 launch, Caterpillar Underground Mining (CUGM) had acquired the intellectual property of underground articulated truck designs from Ground Force Worldwide. This provides Caterpillar with additional design options in the 20 t and smaller payload class. The Ground Force AT18E (18 t payload ejector) and AT20 (20 t payload) remain available for immediate order via Ground Force Worldwide. The company showcased the AT18E at MINExpo 2016.

This acquisition followed the September 2015 announcement of CUGM acquiring the intellectual property of underground articulated truck designs from Specialised Vehicle Solutions (SVS). The new Cat® AD22 is derived from the SVS UAT designs and is currently undergoing field trials.

The new Cat R1700K underground LHD features multiple engine configurations, a new ergonomic operator cabin and greater payload. The compact profile, efficient power train and rugged construction deliver low cost truck loading and LHD production.



Joy Global's 22HD LHD offers a bucket capacity of 9 m³, static tipping loads of 48.2 kN, a breakout force (tilt) of 350 kN and an operating weight of 58,968 kg

machines to help ensure good parts availability and reduce inventory costs.