

For Worldwide Release: July 2018

Release Number: 210PR18

Caterpillar and Newmont to collaborate on underground vehicle automation

Caterpillar and Newmont Mining, with the support of Cashman Equipment Co., the Cat dealer in Nevada, have entered a collaboration agreement to validate and improve underground hard rock mining vehicle automation technology. The initial focus of the collaborative effort is Command for underground, the Cat® system for semi-autonomous and remote operation of underground loaders. Command for underground is a technology within Cat MineStar™.

Newmont is the largest user of Cat underground vehicle automation technology in the western hemisphere. The company currently operates underground loaders using Command for loading in its Carlin gold mines located in northern Nevada. The collaboration agreement leverages and builds on this experience to take underground vehicle automation to the next level of performance.

“Automating underground loaders enables machine operators to work safely and efficiently from a control room on the surface,” said Graden Colby, underground operations manager, Leeville mine. “In addition to enhancing safety, the semi-autonomous system increases loader utilization, improves productivity and allows one operator to control two or more machines.”

The collaboration agreement seeks to improve existing technology and accelerate validation and deployment of new features. Newmont, Caterpillar and Cashman share objectives and align to ensure Command technology delivers the desired benefits now and meets expectations for the future. The agreement also provides for sharing information to help guide strategic and tactical decision-making related to automation.

“Our business is built on cultivating long-term relationships to generate value for our customers,” said Randy Schoepke, underground commercial manager for Caterpillar’s mining

technology group. “Our agreement with Newmont allows two industry leaders to tackle challenges and push each other to achieve step changes in performance by making best use of real-world experience.”

“Through our shared vision with Caterpillar and Cashman—along with senior management commitment—we are tackling a new frontier in mining to improve safety, productivity and costs,” said David Thornton, general manager of Newmont’s Carlin underground operations. “The agreement provides the platform for new or improved capabilities to be jointly and quickly scoped, piloted, proven and adopted into operations.”

The agreement also creates a basis for rapid replication across Newmont’s business. “Through Caterpillar’s global business model and dealer network, our Command for underground operating model can be deployed relatively easily at other Newmont mines and generate additional value from the use of common and consistent operating technology,” said Mike Wundenberg, Newmont’s vice president of operational technology and innovation.

For more information about Cat mining technology, contact the regional Cat dealer or go to: www.cat.com/minestar

#

CAT, CATERPILLAR, their respective logos, “Caterpillar Yellow” and the “Power Edge” trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

©2018 Caterpillar All Rights Reserved

Press Inquiries Caterpillar Trade Press Media Representatives

Americas:

Sharon Holling: Holling_S Sharon_L@cat.com

Johanna Kelly: Kelly_Johanna_L@cat.com

Europe, Africa, Middle East:

Francine Shore: Shore_Francine_M@cat.com

Reader Requests www.cat.com/requestCatinfo