September 13, 2016

Trimble Connected Mine Provides Spatial Data Visualization Using Trimble and Microsoft Mixed-Reality Technologies

Trimble Provides a Single Source of Data Across the Mine Enterprise

SUNNYVALE, Calif., Sept. 13, 2016 /PRNewswire/ -- Trimble (NASDAQ:TRMB) announced today the release of its Trimble® Connected Mine™ Visual Intelligence module with support for mixed-reality technology including Microsoft HoloLens to provide visual collaboration of mine spatial data.

Trimble Connected Mine is an integrated and complete view of mine data to improve and accelerate operational and strategic decision making. Visual Intelligence is an optional module that enables the 3D visualization of Trimble Connected Mine data. With a proven track record of enterprise-level implementations in some of the largest mines worldwide, Trimble is transforming the way mines work by combining mining expertise, spatial technology, business analytics, visualization and decision support tools to enable mining companies to fully optimize their resources for safe, productive and profitable mining. The portfolio includes mine information systems, planning and productivity applications, intelligent devices and technology infrastructure.

Robust and Complete Data Models

Trimble Connected Mine provides a live web environment for data to be collected and presented in easy-to-read tables, graphs, dashboards and spatial views. It enables a wide range of administrative and operations data to be connected and consolidated across language, currency, commodity, unit of measure, time zone and location, which can be viewed from a single software solution.

More Informed Decisions

With Trimble Connected Mine Visual Intelligence, management teams can be more confident in making key decisions by using a validated set of inputs and unique visualization that allow both strategic and detailed scenario planning. Visualization quickly reveals outliers, with options to review historical data quickly.

"Using Trimble Connected Mine Visual Intelligence with Microsoft HoloLens provides an interface to our data that has massive potential," said Johan Smet, general manager of Trimble Mining. "It enables mining professionals to improve collaboration and communication by visualizing and interacting with high-definition holograms of the mine."

"This powerful but practical technology delivers immediate value to mine management and confirms Trimble's commitment to provide innovative measurement, reporting and decision support solutions for the industry," said Smet. "Trimble's broad technology portfolio delivers revolutionary analytical tools to mining management teams and tailors those tools to the type and size of their operations."

Mixed-Reality Technology

Using Microsoft HoloLens and Trimble technology, mine management can clearly visualize large spatial datasets to rapidly identify exceptions without the need to visit the site, improving safety and reducing the need to travel.

"Microsoft HoloLens enables companies, designers and creators to work with three-dimensional data in order to bring products and information to life, and Trimble's implementation of the technology via the Trimble Connected Mine solution is an example of how visualization can generate business benefits such as efficient decision making, analysis and collaboration," said Scott Erickson, general manager, Microsoft HoloLens.

Collaboration Across the Team

Trimble Connected Mine includes a range of reports including material, product, delay, budget tracking and KPI dashboards that can be personalized for a fast deployment and are flexible to align with most mine workflows. Now, the CEO, COO, mine manager, business improvement manager and metallurgist can share the dataset to examine and solve issues from a single data source.

For remote operating centers, Trimble Connected Mine offers an immersive environment to understand workflow and site issues. Trimble Connected Mine offers a platform that aggregates geospatial data and production data. The immersive 3D environment adds visual context to the operational data and allows stakeholders to view operations in safety from remote operations centers and offsite locations.

Trimble at MINExpo

Trimble Connected Mine using the Microsoft HoloLens will be showcased during MINExpo in Las Vegas September 26 - 28, 2016 at the Trimble booth 2971. Technical and case study presentations are scheduled throughout the show for mine management to learn how innovative mines are gaining value from the technology.

Trimble and Microsoft HoloLens

Trimble is developing a new generation of tools, built using HoloLens and the Windows Holographic platform on Windows 10, which are intended to improve quality, collaboration and efficiency in the design, construction and operation of buildings, structures and mines.

When used by Architecture, Engineering, Construction (AEC) and Mining professionals, HoloLens extends interaction with 3D models beyond the confines of a 2D computer screen, creating new ways for the many stakeholders of complex, multi-phase construction and mining projects to visualize, collaborate, share ideas and manage change.

Additional information on Trimble's use of HoloLens is available at: http://www.trimble.com/mining.

About Trimble

Trimble is transforming the way the world works by delivering products and services that connect the physical and digital worlds. Core technologies in positioning, modeling, connectivity and data analytics enable customers to improve productivity, quality, safety and sustainability. From purpose built products to enterprise lifecycle solutions, Trimble software, hardware and services are transforming a broad range of industries such as mining, agriculture, construction, geospatial and transportation and logistics. For more information about Trimble (NASDAQ:TRMB), visit: www.trimble.com.

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