



PRODUCING AND EFFICIENTLY DELIVERING THE RIGHT MATERIALS TO **CREATE THE OPTIMUM FINAL PRODUCT**



Mining the right material for the processing plant and delivering it in the most efficient manner is a goal for every mining operation. MineStar Material Management solutions contribute to this goal, making it possible for mines to ensure the right material blend is sent for processing to create the optimum final product.

Material Management incorporates a number of capabilities that help sites keep track of ore, discern the grade and the blend, see the quantity and location, manage material flow with precision and feed the mill with the right grade—without the wasted effort, costs and wear that come from unnecessary material rehandling.

“We didn’t realize all the deviations within our production system. But with MineStar, we are able to see exactly what is going on in our operation 24 hours a day. By analyzing the information, we can find significant opportunities within our business.”

— Luis Alonso Luna, Operations Superintendent, Fresnillo

FEATURES & BENEFITS

- Provide an inventory of materials so the team knows what has been mined and what needs to be mined.
- Allow the creation of goals for material movement.
- Estimate the impact changes will have on the production plan.
- Utilize measurable drilling data to help ensure proper blast outcomes.
- Give controllers the information they need to make decisions that ensure production targets are being met.
- Allow operators to identify material in real time.
- Give supervisors visibility to what is left to be mined from the bench via a color map display.
- Help site controllers better understand progress toward the mine plan.
- Help ensure appropriate material flow at stockpiles.
- Quickly identify if material has been misplaced.
- Provide real-time blending monitoring.
- Eliminate the need for operators to manually document what they produced, which could lead to misinterpretation and operator stress.
- Enable improved production recording and analysis of materials.



For more information, go to cat.com/minestar or contact your local dealer.