

What if you could...

move 22% more and crush 18% more Ktons, while reducing costs and improving recovery 1.22%, extracting over 32,500 additional gold ounces yearly?

With Proudfoot, you can.

The CEO's concern with his open-pit gold mining operation in Peru, was the decline in metal prices and an increase in **cost per ton**. Additionally, as the productive life of the mine was coming to an end, establishing an organizational structure that was in line with the current reality to **maintain a cost effective operation** was paramount to success.

After an assessment conducted by our Proudfoot Analytics Team, a joint project was launched with the main objective to simultaneously delay the **organization** by establishing the right amount of resources required while **maintaining production levels and improving gold recovery to achieve budgeted results.**

"I have been able to see the change of all my supervisors, I can see that everyone is more focused on achieving the results without losing sight of the safety, and that all are focused on solving the important problems that has the biggest impact in our operation"

– Mine General Manager



Proudfoot PROOF POINTS

Open pit Gold mine
Latin America

A TRANSFORMATIONAL APPROACH

- 1 Scope – covered **mine operations, mine maintenance, short and long term planning, dispatchers control room, leach pad operation, and recovery process** across **the mine site.**
- 2 Assessment– analyzed **processes, management tools and practices as well as people and supervisors' behaviors** across the load and haul operation to the leach pad process and the recovery plant, combined with **point of execution observations** and **root causes analysis including identifying the possible solutions.**
- 3 Findings – enhance **dispatch operation and loading/ hauling** practices to eliminate waiting times. **Blasting pattern controls** needed to be installed. Supervisors needed to **practice proactive behavior** rather than a passive view of the daily activities; **short interval controls** were not in use to drive daily and weekly results.
- 4 Implementation – installation of the **dynamic dispatch mode** to reduce waiting times and increase tons/ kilometer/ hour. Implement the hot shift change and coverage in break times. Short interval controls installed across operations to improve process control and recovery factors.
- 5 Leadership – 159 managers / supervisors received capability development in **Active Management** of their workplace and teams through the use of new management tools and behaviors.

REMARKABLE RESULTS

Best practices were implemented across the end to end process, operational controls provided the tools to make informed decisions and preventative strategies for continuous improvement.

6% improvement in cost/ kilometer/ operating hour

8% Increased haul truck productivity translated in capital expenditure avoidance

12% Cost reduction by reducing number of layers in the organization

1.22% In gold recovery

15.4M Overall annualized benefits

"I am pleasantly surprised by the way the people of Proudfoot and our team have been integrated in such a short time, focusing on solving the problems that have the greatest impact on our operation, in addition to training our people in their methodology, so that we apply it on our own areas

– Executive Director