

# Goldcorp and IBM Develop New AI Technology Solution to Improve Predictability for Gold Mineralization

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First of a kind 'IBM Exploration with Watson' solution launches in Canada

VANCOUVER, Nov. 26, 2018 - [Goldcorp Inc.](#) (TSX:G, NYSE:GG) ("Goldcorp") IBM (NYSE:IBM) ("IBM") Goldcorp and have co-authored an innovative first of a kind technology product: IBM Exploration with Watson will improve predictability mineralization. The solution applies artificial intelligence to predict the potential for gold mineralization and uses powerful and query capabilities across a range of exploration datasets.

"The potential to radically accelerate exploration target identification combined with significantly improved hit rates on exploration datasets means that IBM Exploration with Watson has the potential to drive a step-change in the pace of value growth in the industry," said Todd White, Executive Vice President and Chief Operating Officer, Goldcorp.

Developed using data from Goldcorp's Red Lake Gold Mines in northern Ontario, IBM Exploration with Watson leverages analytics, machine learning and predictive models, helping explorers locate key information and develop geological exten-

"Applying the power of IBM Watson to these unique challenges differentiates us in the natural resources industry," said Fawcett, Partner with IBM Canada. "We are using accelerated computing power for complex geospatial queries that can analyze geological data from an entire site on a single platform. This is the first time this solution has been ever used, which makes this project all the more significant."

At Red Lake, IBM Exploration with Watson provided independent support to drill targets planned by geologists via traditional methods and proposed new targets which were subsequently verified. Drilling of some of these new targets is ongoing, with one target yielding the predicted mineralization at the expected depth.

"Timelines are short in mining and exploration. I am excited to see the improvements we can make with the data platform to support faster mineralization predictions," said Maura Kolb, Goldcorp's Exploration Manager at Red Lake Gold Mines. "These tools can help geologists view data in totally new ways. We have already begun to test the Watson targets from the predictive model through drilling and the results have been impressive so far."

The IBM Watson initiative recently earned Goldcorp a prestigious Ingenious Award in the large private sector category of the Information Technology Association of Canada (ITAC). The ITAC award for Goldcorp's Cognitive Journey recognizes enterprises that demonstrate the use of information and communications technology by organizations to solve problems, improve performance, introduce new products and services, and grow business.

Goldcorp will put the new technology to work on additional targets in 2019.

About Goldcorp [www.goldcorp.com](http://www.goldcorp.com)

Goldcorp is a senior gold producer focused on responsible mining practices with safe, low-cost production from a high-quality portfolio of mines.

About IBM Canada [www.ibm.com/ca-en/](http://www.ibm.com/ca-en/)

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