

## Artificial intelligence, it already exists in mining



The topic of artificial intelligence (AI) has become more explosive with ChatGPT. The mining industry also benefits from AI.

There is a growing number of providers offering AI-based solutions for the global mining industry. Today, the mining industry is faced with the problem that ore qualities are declining and environmental protection requirements are becoming stricter. For another, there are fluctuations in ore grades that are difficult to determine. One of the largest, arguably the largest, copper producers in the world, Codelco, is using AI to increase copper yields. And Codelco has already seen success with it. It has been able to extract 8,000 tons of additional copper from a 100-year-old mine. AI helps to make faster and more accurate decisions, and in the case of deposits, it can extend their lifespan. After all, data collection in mining is laborious, often still done visually or manually, and it can be made more efficient with AI. Increasingly, drones are also providing positive effects here. Another important area is worker safety, which benefits, as does, for example, the optimization of ventilation systems.

But there are also many mining companies still exploring significant exploration opportunities and targets with soil sampling, drilling and geophysical surveys, for example - most recently **Hannan Metals** - <https://www.commodity-tv.com/play/mining-newsflash-with-alpha-lithium-hannan-metals-gold-royalty-and-targa-exploration/> - at its Valiente copper and gold project in Peru.

Also in Hannan Metals' portfolio is the prospective San Martin copper-silver project, also in Peru, and the County Clare zinc-silver project in Ireland. In gold, **Karora Resources** - <https://www.commodity-tv.com/play/karora-resources-increased-resources-at-beta-hunt-and-record-gold-production-in-2022/> - which owns two producing gold mines in Western Australia, recently expanded gold resources at its Beta Hunt gold mine by about 20 percent through drilling.

Latest corporate information and press releases from Hannan Metals (- <https://www.resource-capital.ch/de/unternehmen/hannan-metals-ltd/> -) and Karora Resources (- <https://www.resource-capital.ch/de/unternehmen/karora-resources-inc/> -).

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