

ZINGO PLUS GOES FOR GOLD

A SIMEM ZINGO PLUS mobile batching plant is now working hard for New Zealand's largest gold mine, the Macraes Goldfield in Otago.

OceanaGold operates the gold mine alongside Frasers Underground and the consortium are constantly exploring new underground locations. Their efforts to extract the precious metal have resulted in over 4 million ounces of produced gold to date.

The ZINGO PLUS plant produces mainly "shotcrete" which is used to line the walls of newly excavated tunnels, a critical task in the ongoing exploration and mining operation. Operating in 8m³ cycles, the ZINGO PLUS plant can produce up to 40m³ of concrete per hour.

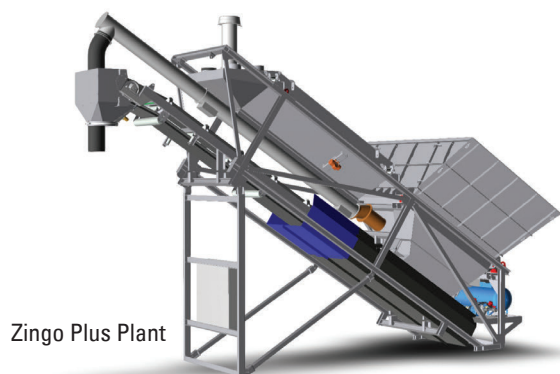
The ZINGO PLUS has its own dedicated aggregate and cement weigh hoppers and operates with a touch screen interface which provides for semi-automatic batching. The plant also features automatic dosing of water and admixtures to ensure up to 100 different concrete mix designs are consistently delivered.

The plant has the capacity for four powder inlets and has been expanded to include a dust extraction system. This includes a hooded enclosure that surrounds the truck loading area and an 11kW fan that extracts dust into a dedicated silo.

From an environmental perspective, this vastly reduces the release of cement into the atmosphere and from an efficiency perspective, this allows for the re-use of the cement - maximising resources and productivity. There are advantages also from a plant maintenance perspective, as the plant remains much cleaner overall.

This SIMEM ZINGO PLUS plant, delivered in late 2017, is now the second of its type currently commissioned in New Zealand. The plants, both manufactured by SIMEM of Italy, are delivered and supported by New Zealand dealer Engineering & Plant Services.

Stock of the plant is currently on-hand at both Engineering & Plant Services' Christchurch and Auckland locations.



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CASE STUDY



L-R: Operator Cabin, Enclosed Dust Hood, Zingo Plus & Cement Silo



Collecting Dust Hopper

OVERVIEW - ZINGO PLUS PLANT:

- Compact, pre-wired plant, design-ready for rapid on-site installation and assembly.
- Easy to use user interface complete with plant overview schematic as well as production and materials tracking.
- Multi-batch system capable of certified concrete production. Adaptable to include a dust extraction system. Comes as standard with an integrated 3m³ cement weighing system for high-working volumes.
- ZINGO PLUS is part of a much larger range of SIMEM products available from Engineering & Plant Services.