

World first mapping trial for Tasmanian tin mine

🕒 May 4, 2016 📰 News 👤 Sharon Masige

Tin junior Elementos has partnered with Australian geophysical services company Geo9 to conduct a world-first mapping system trial at its Cleveland mine in northwest Tasmania.

The system will be used to generate high resolution 3D maps of the site's ore bodies at depth, enabling more efficient selections of follow up drill targets and resource development zones.

Geo9's mapping system is the first application of modern geophysics techniques at the site.

It is hoped to identify potential tin-copper extensions along strike and at depth, the potential size of tungsten porphyry systems to depth and possible extensions to surface, and to determine other resource opportunities containing high grade lead-zinc-silver on surface.

Geophysical techniques use non-invasive technology to measure the type of physical characteristics underground.

Geo9 uses [electro-seismic methods for groundwater exploration](#), a process which [converts seismic energy to electromagnetic energy](#). They also use a resistivity survey which directs a current on the ground's surface and measures how strongly the rock underneath opposes it. This allows them to determine geological faults, boundaries and fracture zones.

Geo9 have previously applied their mapping system to energy exploration, groundwater, dam seepage, liquid solution contamination, and geotechnical applications.

This is the first time it has been used in mineral exploration.



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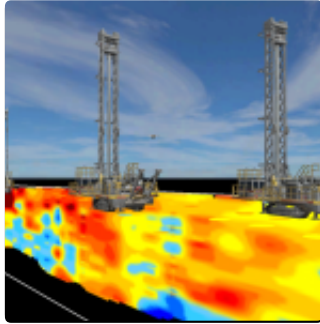
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