



## Mining and Mineral Processing

SCDS operates as a group of turnkey service providers, application system developers and integrators, capacity builders, and technology promoters within a broad scope of activities including HD Laser Scanning, Thermal and Subsurface Imaging, Digitization, Spatial Parameter Imaging™, Reverse Engineering, Serviceability and Predictive Analyses.

### Specific Applications:

- o integrating raw scan data into client's 3D models by geo-referencing to real world coordinates and elevations;
- o using the spatial scan data to validate the drawings and bring the required portions of the 3D models to an as-built condition;
- o using the spatial scan data to perform final checks within clash detection, and ensure clash-free installation;
- o mineral processing retrofits;
- o mine infrastructure and rehabilitation design.

### Testimonials:

- o "The laser scans done are being used to spot differences between the existing drawings and the reality on site. In many instances these differences are not obvious and can only be seen by superposing the scan with our models."
- o "The scans are very helpful for placing new pieces of equipment. We can ensure that we have enough space for maintenance or spot equipment that will need to be relocated."
- o "The 3D laser scans allowed me to have as-built data in places where it is impossible to get access without major scaffolding."
- o "The laser scan of the ball mills was used to accurately position the existing mills and foundations. This was essential to make sure our new equipment for the primary upgrading process could be installed as planned."

(Hatch Engineering)

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