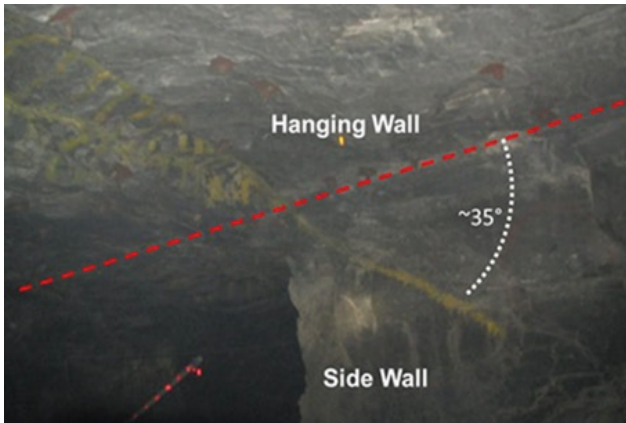


# Sub Surface Profiler case study

## Identifying low angle features



*Feature dipping at an angle of 35° into hanging wall*



*Cabling encountered along survey line*

The SSP was used to identify a feature dipping at an angle of 35 degrees into the hanging wall. There was very little infill and the survey line was non-uniform with various sharp brows. Cabling was also encountered along the survey line which necessitated a lift of the SSP while performing the scan without affecting the data collected. The paint roller methodology proved to be an effective way to easily deal with non-uniform areas of interest. The resulting SSP profile was generated in real time as the sensor was rolled along the survey line with the SSP being deployed in minutes..

The low angle feature was identified as a structure moving into the rock at an angle of 35 degrees first observed at a depth of 0.3m and tracked up to a depth of 4m.

### AT A GLANCE

#### Rock Type:

Hard rock, platinum, 800m below surface

#### Challenge:

Identify low angle feature dipping into hanging wall.

#### Results:

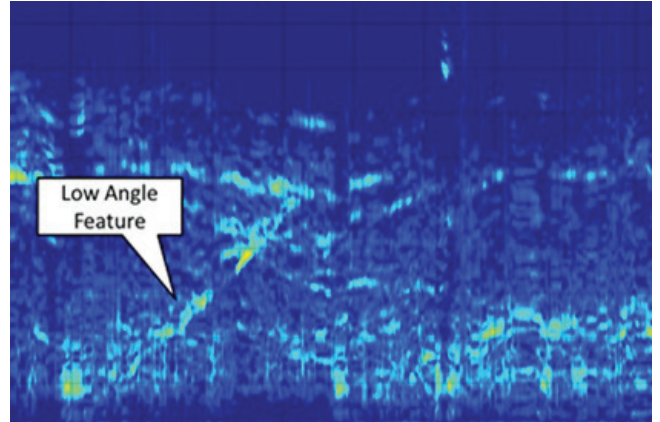
Low angle feature identified at depth of 0.3m and tracked up to 4m.

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# Sub Surface Profiler case study



*Sharp brows and bolts encountered along survey line*



*Real time SSP Results*

## ABOUT THE SUB SURFACE PROFILER

Designed specifically for the challenges faced by underground mining operations globally, the SSP improves dynamic decision making through the precise management of Fall of Ground risks, as well as the optimal use of support mechanisms in an environment where every second counts.

Its light-weight and patented ergonomic design allows for one handed operation by one person in much the same way as a paint roller. Data collected is wirelessly transmitted and processed in real time, giving instant feedback on rock structures while scanning. This is Ground Penetrating Radar. Reimagined.



## ABOUT REUTECH AUSTRALIA

Our goal is to make your operation as safe and productive as possible. So we design innovative radar products that solve complex problems in simple ways. This passion drives our desire to think outside of the box; to rethink old problems and reimagine new solutions. It has led us to the SSP, a product that improves underground mining productivity and safety in a revolutionary simple way.

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