



# OPEN PIT MINE DESIGN SOLUTION

We have an array of products and services to provide solutions for open pit mines.

## What challenges do you face when operating your open pit mine?



How do you go about quickly acquiring pit surfaces and face positions?



Do you struggle with inaccurate representations of mined volumes compared to planned volumes?



Do you face inflating operating costs due to inaccurate mine planning?

## Maptek has tools to help you.

The Maptek I-Site 8810 laser scanner, paired with Maptek I-Site Studio point cloud processing software can help surveyors generate accurate pit surfaces and volumes.

I-Site data integrates into Maptek Vulcan mine planning software for design of current face positions and pit surfaces.

This data provides the ultimate solution – improved accuracy of your planned designs, and an overlay block model with additional information for mine planning.

## Want to know more? Contact us:

Maptek prides itself on experienced, professional services teams.

For more information about this solution for your site telephone Elton du Plessis or Nick Venter at 011 750 9660

Email [nick.venter@maptek.co.za](mailto:nick.venter@maptek.co.za) or [elton.duplessis@maptek.co.za](mailto:elton.duplessis@maptek.co.za)

### I-Site™

- Scan pit surfaces
- Perform calculations and determine volumes
- Detect toes and crests



### Vulcan™

- Transform pit shells into mine designs
- Construct and edit surfaces
- Determine volume and tonnage
- Overlay block model



### Results

- Improved accuracy
- Compared plans vs actual
- Results and charts automatically output

