



COURSE OUTLINE

PURPOSE

The purpose of this course is to provide mining engineers with the knowledge and tools for the efficient design and scheduling of Truck and Shovel mining systems in the short to medium term window.

HOW WE DO IT

The course is run by engineers specifically for engineers with a focus on practical design techniques utilising the Vulcan CAD software for design and TALPAC software for haulage modelling. Alternate software packages can be used via special request.

WHAT YOU LEARN

At the end of the course, participants will have learned the basic skills to create dig and dump designs and perform haulage optimisation to enable accurate short and medium term schedules.

DAY 1

- ▣ **Module 1** - Truck and Shovel Mining Principles
- ▣ **Module 2** - Safety and Geotechnical Requirements
- ▣ **Module 3** - Generating Safe and Efficient Dig Shells
- ▣ **Module 4** - Generating Safe and Efficient Dump Shells
- ▣ **Module 5** - Ramps and Intersections

DAY 2

- ▣ **Module 6** - Generating Dig and Dump Reserves
- ▣ **Module 7** - Creating and Exporting Haulage profiles
- ▣ **Module 8** - Introduction to TALPAC modelling
- ▣ **Module 9** - Importing Haulage profiles into TALPAC
- ▣ **Module 10** - Running different scenarios
- ▣ **Module 11** - Exporting Reports from TALPAC

LOCATIONS

- ▣ Brisbane
- ▣ Mackay
- ▣ Perth
- ▣ Onsite training available on request.
- ▣ Townsville
- ▣ Newcastle

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