

RPM | MINEPLANNER

OPEN CUT COAL (OCC)

COURSE CONTENT

Workspace

Create a new workspace and navigate Workspace Explorer.

Reserving

Import geological data to construct an in situ block model divided into working sections. Generate a design of an open cut coal mine, cut into strips and blocks with corresponding in-pit dump records. Reserve the geological data against the design solids to generate the scheduling reserves.

Dump Design

Generate an ex-pit dump model from imported solids, with specific waste materials and lift and block layouts.

HAULNET

Create a haulage model using the design tools and import options. Analyse travel times using trucks based on real life equipment.

Scheduling (Introduction)

Run and analyse a schedule with the imported models. Configure the schedule decisions of each resource. Create mining rules, product blending rules, and objectives to drive the schedule.

Scheduling (Advanced)

Refine the schedule using more advanced functionality, based on real life scenarios.

Overview

This course teaches participants how to take a disciplined approach to mine scheduling using RPM's MinePlanner. The course teaches students the core functionality of the product through pre-configured workshops that are designed around real-life scenarios.

Learning Outcomes

- Learn how to prepare the project's block models with working sections affected by loss and dilution.
- Grasp the design tools to auto-generate precise pit and strip designs with corresponding in-pit dump layouts.
- Comprehend the options for generating and analysing the scheduling reserves.
- Learn about creating a haulage network that dynamically responds to the state of surrounding scheduling blocks.
- Follow the process of building the schedule framework, including the time-based data, material flow chart, equipment (such as loaders, draglines, and trucks), and resources.
- Learn about create mining rules to drive the order of mining strips, working sections, and blocks – and impose periodic mining limits.
- Learn how to optimally allocate materials to stockpiles, processing facilities, and products, based on processing rules and targets.
- Understand how to generate and analyse a schedule, with interchangeable manual and automatic portions that control the schedule decisions of each resource.

Who is the Course For?

- Mine Scheduling/Planning Engineers
- Planning Managers/ Superintendents
- Senior Operations Personnel
- System Administrators

Delivery Mode

Classroom

Duration

Three to five days

Want to Learn More?

Contact training@rpmglobal.com

Training Workshops

Workspaces

- Workspace Explorer
- Create a Workspace

Reserving

- Deposit Model Setup
- Help and Navigation
- Establish Model Configuration
- Establish In situ Block Model
- Establish Working Sections
- Establish Pit Design
- Establish Strip Design
- Establish Scheduling Blocks

Dump Design

- Dump Model Setup
- Configure Dump Solids
- Establish Material Zones
- Establish Reported Fields
- Create Dump Blocks
- Review Dump Data

HAULNET

- Create a HAULNET Model
- Construct
- Interpret
- Rationalise
- Analyse

Scheduling (Introduction)

- Schedule Setup
- Configure Scheduling Reserves
- Configure Haul Network
- Establish Schedule Configuration
- Establish Mining Rules
- Establish Objectives
- Execute Schedule
- Analyse Schedule

Scheduling (Advanced)

- Advanced Schedule Setup
- Spatial Zone Reporting
- Modify Production Rates Using Curves
- Before Extraction Activities – Drilling
- Establish Schedule Start Status
- Manual Assignments