



XACT BASIC

SOFTWARE TRAINING COURSE

PURPOSE

The aim of this course is to provide users with an overview of the XACT short-term mine scheduling application. This course will take you through the short-term scheduling process, from creating a new model through to generating reports. It will also cover the fundamental principles of XACT and for each scheduling mode, introduce a range of scheduling, reporting and analysis tools. Upon completion of this course, users will be familiar with essential terminology, be proficient in navigating core XACT interfaces and understand the benefits of using XACT to deliver scheduling outputs.

WHO SHOULD ATTEND?

This course is recommended for mining professionals who play a pivotal role in short-term mine planning and scheduling. Participants typically include technical services personnel such as Technical Service Superintendents, Senior Engineers and Mine Scheduling Engineers. This course is also suitable for those from a non-technical background who wish to achieve a greater understanding of mine scheduling.

PRE-REQUISITE SKILLS

Participants are required to be computer literate. Participants should also have completed the Runge **Principles of Mine Planning** course or have equivalent knowledge or experience. This should include direct exposure to mine scheduling logic and methodology, the use of mine reserves data and equipment allocation.

DURATION

1 day.

DATES & LOCATIONS

This course is delivered on request at a client's site or at one of Runge's international offices. For further information please refer to the calendar section of the Runge web site.

LEARNING OUTCOMES

At the completion of this course participants will be able to:

- Construct a basic short-term scheduling model.
- Use the model to create a simple mine schedule.
- Update the schedule.
- Analyse the impacts of changes to the schedule.

DELIVERY METHOD

This course is delivered in a classroom environment with an emphasis on participant involvement through practical workshops.

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COURSE CONTENT

Module 1: Getting Started

- The Record Tree
- The Main Window
 - The Gantt Chart
 - Project Explorer
 - Productive & non-productive activities
 - Resources & rosters
 - Exceptions & dependency sets
- Working with XACT windows
- Toolbars
- Data Flows

Module 2: Working with Databases

- Database types and layout
- Creating a main database
 - Creating a level structure
 - Creating field definitions
- Populating the main database
 - Importing data from a .CSV/text file
 - Creating new records manually
 - Copying data between database records
 - Importing data from XPAC

Module 3: Creating a Calendar Database

Module 4: Importing 3D Graphics Data

- Importing polygon set data

Module 5: Setting up Project Explorer Items

- Creating resources
- Creating productive activities
- Creating data links
- Creating rosters and roster exceptions
- Linking resources
 - Assigning resources to productive activities
 - Setting production rates
 - Assigning rosters and roster exceptions

Module 6: Creating a Schedule

- Creating tasks
- Creating non-productive tasks
- Task templates
- Editing tasks
- Rescheduling

Module 7: Dependency Sets

- Creating individual dependencies
- Dependency sets

Module 8: Working with Gantt charts

- Creating custom Gantt views

Module 9: Generating Reports

- Creating, running and exporting a schedule report

Module 10: Using 3D Graphics Data