

TRUCK AND SHOVEL MINING SYSTEMS

22-24 February, 2012 Maitland | 07-09 March, 2012 Perth | 21-23 March, 2012 Brisbane

“Through efficient planning and operational methods of truck and loader mining systems, you will see how you can provide a direct impact on your bottom line results”

INTRODUCTION

The aim of this course is to provide a comprehensive overview of the planning and operational methods associated with truck and loader management in open cut mines.

During the course, participants will build a haulage simulation model. Using this model they will then learn how to manipulate operating techniques to maximise fleet productivity and minimise unit-mining costs.



WHO SHOULD ATTEND?

The course is directed at technical and field staff involved in truck and loader planning and operation, including:

- Mine planning engineers
- Senior field personnel
- Technical and financial personnel
- Equipment supplier personnel
- Maintenance and support personnel
- Mine surveyors

COURSE CONTENT

Operating Techniques

- Pit working area dimensions
- Maintaining bench grade
- Haulroad design
- Haulroad construction & maintenance
- Loading techniques
- Truck dumping

Building a Haulage Model

- Overview of model software

Productivity Estimation

- Truck productivity
- Loader productivity
- Fleet productivity

Mining Economics

- Equipment costing
- Discounted cash flow analysis
- Discounted average cost

Factors Affecting Fleet Productivity & Cost

- Loader bucket size
- Loading philosophy - single or double sided loading

- Truck/loader match - how many passes ?
- Shift operating schedules
- Haul ramp gradient
- Road rolling resistance/ tyre selection
- Other operational factors

DELIVERY METHOD

Classroom-style delivery with a heavy emphasis on workshops, participant involvement and case studies.

LEARNING OUTCOMES

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

- Understand the factors that impact on fleet productivity and cost.
- Design the layout of surface mines to suit equipment characteristics and maximise equipment productivities.
- Build a haulage model to simulate loading & hauling operations.
- Use a haulage model for equipment selection & operating decisions and to investigate options for maximising fleet performance and minimising cost.

ON-SITE / CUSTOMISED OPTIONS

THE ADVANTAGES FOR YOUR ORGANISATION

- On-site training is more economical for a large group
- Training days can be at convenient, unique time and location
- Content can be customised to suit client's specific requirements to address attendees needs
- Confidential information can flow freely giving maximum learning outcomes



TRUCK AND SHOVEL MINING SYSTEMS

For over 20 years, Runge has been providing high quality training courses to the Mining Industry worldwide.

Our courses are recognised as unique in the Industry. The knowledge and challenges that Runge consultants deal with daily in project work and software implementations is captured and reflected in our high quality training courses.

Numbers are restricted to enhance learning, and participants can share experiences gained from their respective organisations. Runge's courses cover mine business planning and fall into the following major categories:

- Mining for Non Miners (Coal and/or Metals Focus)
- Mining Economics
- Integrated Open Pit Coal Mine Planning
- Truck and Shovel Mining Systems
- Coal Seam Gas Reservoir Assessment
- Dragline Mining Systems

Other mining related courses could be developed and delivered on request. Runge can work with you to meet your training requirements. Please contact our Training Department to discuss your specific needs in more detail.



DATE

- 22-24 February, 2012 Maitland Australia
- 07-09 March, 2012 Perth Australia
- 21-23 March, 2012 Brisbane Australia

VENUE

Runge Limited Level 12 333 Ann Street, Brisbane QLD 4000 Australia	Runge Limited Level 3 251 Adelaide Terrace, Perth WA 6000 Australia	Runge Limited Maitland Venue - to be advised
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TIME

8:30 AM - 5:00 PM

Personal laptop is required for workshops.

Would you please also take a minute to fill out the following questions - this will help us to ensure that your expectations can be taken into account when planning the course program.

What is your educational background? _____

What is your work background? _____

What is your current job role? _____

How many years have you worked in this role or similar roles? _____

Computer software products are you familiar with?

Excel	<input type="checkbox"/> not familiar	<input type="checkbox"/> have used once or twice	<input type="checkbox"/> proficient
TALPAC	<input type="checkbox"/> not familiar	<input type="checkbox"/> have used once or twice	<input type="checkbox"/> proficient

Course attendance is limited to a maximum of 10 people.

YES! PLEASE REGISTER ME FOR TRUCK AND SHOVEL MINING SYSTEMS

Yes! Please send me more information on other courses.

Name :	
Position :	
Department :	
Company :	
Site :	
Address :	
City :	
State :	Postcode :
Ph :	Fax :
Email :	
Purchase Order No. :	

CREDIT CARD DETAILS

<input type="checkbox"/> Bankcard	<input type="checkbox"/> Mastercard	<input type="checkbox"/> Visa	<input type="checkbox"/> American Express
Name on Card :		Expires on : /	
Card Number :			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

SIGNATURE : _____

CANCELLATION POLICY

Registration may be transferred or cancelled with minimum 14 days' notice without cost penalty. Should you be unable to attend with less than 14 days before the course, a substitute delegate may attend at no extra charge. Alternatively, you may transfer your registration to another course date with an added service charge of \$200 per day of course (excl of gst). Runge Limited reserves the right to cancel a course at any time, in which case registration fees are fully refundable.

REGISTRATION FEE

\$3,900 p.p. (ex GST)

Fee includes tuition, comprehensive course notes, workshop assignments, morning and afternoon coffee, lunch and certificate of completion. Once your booking is received your place is automatically reserved, and we will send you a confirmation of enrolment.

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