

DRAGLINE MINING SYSTEMS

15-16 March, 2012 Maitland | 23-24 April, 2012 Brisbane

INTRODUCTION

The aim of this course is to provide a comprehensive overview of planning and operational methods associated with dragline mining systems. This course addresses issues to deal with the changing industry and focuses on cost efficiencies and the importance of dragline engineering decision-making based on costs. It presents planning and operational methods of dragline mining systems, and includes aspects of efficient mine planning such as integrated mine design with trucks and shovel and other equipment, mine scheduling, blending, and cast blasting. Recent case studies prepared for open pit mines are also included. At the completion of this course participants will take away a set of practical solutions that can be utilised back in the workplace.

WHO SHOULD ATTEND?

This course is recommended for Managers, Engineers, Geologists, Scientists and Operators involved with, or having an interest in, dragline operations.

COURSE CONTENT

Dragline Mine Design

- Systematic mine planning process, mining limit assessment using economic ranking criteria

Dragline Key Components

- Typical configuration, dig & dump cycle, understanding dragline working envelope, dragline buckets

Dragline Operating Methods

- Introduction to range diagrams, pit layout, boxcuts, Single Seam Applications, Multi Seam Applications, use of dozers & throw blasting, geotechnical and hydrological issues, use of range diagrams as a dragline engineering planning tool

Dragline Productivity

- Calculating re-handle, productivity calculations, sensitivity to changing operating & design parameters, dragline motion control & new technology, sensitivity to operators & design procedure

Dragline Scheduling

- Meeting production targets, blending constraints, dragline sequencing

Economics & Decision-making

- Evaluation techniques, marginal cost analyses, time value of money, discounted average cost

DELIVERY METHOD

Interactive classroom-style delivery - numerous interactive case studies are used throughout the course, supplemented with a variety of multi-media presentations and practical hands-on workshops, to ensure maximum audience participation and to optimise the learning experience.

"Learn how to maximise the real benefits and gains you can achieve through efficient and effective use of your dragline mining systems"

LEARNING OUTCOMES

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

- Understand frequently used terminology
- Describe the key elements of efficient dragline systems
- Describe the practices involved in systematic mine planning
- Describe dragline operations involving single seam and multi seam applications
- Explain the importance of dragline engineering decision-making based on costs

ON-SITE / CUSTOMISED OPTIONS

THE ADVANTAGES OF YOUR ORGANISATION

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



TESTIMONIES

"A very good introduction to dragline operations."

"Great course - certainly assisted with ideas of improving production. Also gave me an insight into what language mining engineers talk!"

"A very interesting and informative course - thought provoking."

"Excellent course, focused on the bigger picture and will help me to fit my knowledge into the relevant overall framework."

"Well run course which made me aware of many factors to be considered in refining operations. It is essential that we mine smarter."

"Excellent!"



DRAGLINE 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

- 15-16 March, 2012 Maitland Australia
- 23-24 April, 2012 Brisbane Australia

VENUE

Runge Limited
Level 12
333 Ann Street, Brisbane
QLD 4000 Australia

Runge Limited
Maitland
Venue - to be advised

TIME

8:30 AM - 5:00 PM

Course attendance is limited to a maximum of 10 people. Please bring laptop for workshops.

YES! PLEASE REGISTER ME FOR DRAGLINE 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 : /	
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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

\$2,750 p.p. (ex GST)

Fee includes tuition, comprehensive course notes, workshop assignments and solutions, 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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