

# SURFACE MINE EQUIPMENT SELECTION & OPTIMISATION

## OVERVIEW

This 2-day workshop will present a comprehensive a cradle-to-grave approach for leading mine equipment application , which is important for the efficient use of mining equipment in general. The course employs a systematic approach for selecting, planning, utilising, and replacing mining equipment, as well as a multi-decisional framework for getting the most of a fleet of mining equipment. Finally, the training equips participants with the skills and resources they need to do NPV analysis, discounted cash flow analysis, and other relevant operating KPIs for maximising the value of a mining fleet.

## PROGRAM

- Mine design and Mine Equipment
- Material movement and demand analysis
- Time Value of Money – Principles and application
- Cost Drivers for Effective Mining Schemes
- Types and classification of mining equipment
- Equipment Selection for Surface Mining - Intro
- Mining fleet planning and optimisation
- Capital planning and costing for mine equipment
- Business Case evaluation for new equipment
- Decision support analysis and KPIs - **Introduction**
  - Equivalent Unit Cost (EUC) analysis
  - Annual Equivalent Cost (EAC) analysis
  - Equipment Life Cycle Cost (LCC) analysis

Participants will learn how to undertake comprehensive planning of mine equipment deployment by analysing all mining equipment interactions and looking for bottlenecks up or down the value chain. Participants will look at several types of scenarios that encompass all mining interactions and use hands-on techniques to optimise equipment selection in connection to successful mine design and planning. Participant would also explore other novel and non-typical mining equipment which may be more cost-effective in specific mining applications.

**\$1,499**

### DELIVERY MODE

- Onsite | Remote | Hybrid
  - Duration: 8 x 2hr [16 Hrs]
  - (±) Extra workshops
- Course will automatically go online in case of a lockdown.

### NEXT DATES

- Set - Oct 2021
  - Feb - Mar 2022
  - May - June 2022
  - Sep - Oct 2022
- Other dates negotiable on case-by-case basis

### CONTACT

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### DISCOUNTS & PAYMENTS

- We offer a 5% discount if you register for two or more courses or register more than one person for a single course, OR a 10% discount for returning trainees/attendees. We also offer a 20% discount (applied to each attendee) for attendee groups equal OR greater than 5 in number.
- Payments: via the MOMO or Secure payment gateway which accepts Visa and Mastercard only. All prices are stated in US Dollars; however, Ghana Cedi Equivalent is acceptable for in Ghana (ONLY). Payment from all other jurisdictions should be made in US Dollars. Training held in some locations may incur additional charges in relation to travel expenses and Tax.

### OUEST PROJECT MANAGEMENT SOLUTIONS

Mineral resource & exploration | Mining | Energy-Oil & Gas | Environmental & Geotechnical Services

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