



# Registration of Interest – Safe and Efficient Blasting In Quarries

## 3 Day Course Duration CPD Learning

### OUR OBJECTIVES

To give course participants a greater understanding of drilling and blasting technology so they can carry out their jobs with greater safety and efficiency.



### Includes

- Introduction & Terminology
- Workshop – Problem solving
- Explosives Properties
- Explosives / Rock Interaction
- Explosives Range & Selection
- High Speed Films / Blast videos
- Priming Options & Effectiveness
- Workshop – Rules of Thumb
- Charging Methods & Tricks
- Initiation Systems – General
- Initiation Applications
- Workshop – Initiation Exercises
- Workshop – computerised initiation SHOTPlus®
- Blast Design & Geometry Options
- Workshop – Calculating Drill + Blast Costs
- Optimisation Techniques & Tools
- Vibration / Airblast / Flyrock
- Workshop – Special Blasting Techniques
- Special Blasting Techniques Training
- Safety Awareness Exercise – Who Cares?
- Workshop – Safety Investigation
- Safety, Accidents, Destruction of Explosives

### WHO WILL BENEFIT

The Orica Safe and Efficient Blasting Courses are designed to further enhance the skills and knowledge of owners, managers, regulators and contractors including:

Shotfirers, Blasting Crew, Foreman, Supervisors, Engineers, Government/Regulatory Inspectors, or anyone seeking a blasting overview.

NZQA Unit Standards 8907 Design blasting layouts within surface operation production areas and 17694 Demonstrate knowledge of explosives and their properties can be achieved.

### COURSE OUTCOMES

Completion of the course will equip participants to:

- Compare explosive types for cost effective blast patterns
- Correctly prime and charge blastholes for optimum performance
- Select a suitable initiation system, including delay intervals and hook up methods
- Modify blast patterns in difficult areas to maintain good results
- Control excessive flyrock, vibrations and airblast
- Identify potential safety hazards relating to explosives and how to avoid them
- Comply with explosives and mining regulations
- Evaluate risks associated with blasting
- Analyse the wider operational cost implications of changing blast methods

### DATES OF COURSE

**8<sup>th</sup> - 10<sup>th</sup> November 2016**, Pedlars Motel, Paeroa

If interested in more details please contact: Dean Torstonson Mobile: 021 926 317 or Email: [dean.torstonson@orica.com](mailto:dean.torstonson@orica.com) or Trent Morcombe Mobile: 021 926 024 or Email: [trent.morcombe@orica.com](mailto:trent.morcombe@orica.com)

Registration forms are available via email and need to be submitted by Friday 14<sup>th</sup> October 2016