



The Institute of Quarrying  
Australia

<b>Explosives and Blasting for Quarry Supervision and Management</b>	
<b>Item</b>	<b>Details</b>
Duration	1 –day
Potential Participants	<p>Quarry Managers and supervisors, including trainee managers and supervisors Contract Personnel who might manage drill &amp; blast contractors Quarry development or Blast Designers, including:</p> <ul style="list-style-type: none"> <li>• Environment officers</li> <li>• Safety officers</li> <li>• Emergency Response personnel</li> </ul> <p>Consulting personnel in the 3 blast monitoring area Quarry Suppliers in the drill &amp; blast field</p>
Topics Covered	<p>Topics Covered will be pitched at supervisory and management personnel, and others who are involved with hazard management systems and plans relating to explosives and their impact on the environment.</p> <ul style="list-style-type: none"> <li>• Describe what an explosive is and associated hazards &amp; risks</li> <li>• Identify &amp; evaluate criteria for a blasting system</li> <li>• Manage blast design parameters               <ul style="list-style-type: none"> <li>- estimating patterns</li> <li>- calculating explosives required</li> <li>- identifying the MIC</li> <li>- considering operational limitations</li> <li>- controlling the effects of blasting</li> </ul> </li> <li>• Handle/prevent misfires and flyrock</li> <li>• Establish a system by planning an Explosives Management Plan               <ul style="list-style-type: none"> <li>- consulting, communicating, involving</li> <li>- risk assessing</li> <li>- developing procedures and forms</li> <li>- allocating responsibilities</li> <li>- recording</li> </ul> </li> <li>• Implement the system</li> <li>• Monitor the system</li> <li>• Review &amp; Improve the system and EMP</li> </ul>