

# Intelligent Quarrying 2016: Quarrying & the Environment Agenda



Environmental considerations of quarrying operations are becoming increasingly important to operators. Driven by government pressures to address multiple agendas involving climate change, carbon emissions, biodiversity, recycling and waste, it's easy to see how quarry operators can feel overburdened with all the additional requirements. However modern operators have realised that improving their own environmental management practices is worth more to them than just meeting the requirements under legislation. Measuring and monitoring environmental impact of quarrying operations improves efficiencies and profits. This event seeks to explore both operational and management areas where better environmental awareness of your site can have a positive effect on your business.

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| <b>14:00</b> | <b>Arrival &amp; refreshments</b>  | <b>16:15</b> | <b>Refreshment break</b>   |
| <b>14:30</b> | <b>Welcome &amp; introduction (IQ)</b>   | <b>16:45</b> | <b>Water Management – opportunities for improvements, efficiencies &amp; increased sustainability</b><br><b>Chris Leake, Director</b><br><b>Hafren Water</b><br><br>The importance of water in mineral extraction is increasing. Understanding water resources and processes is important to help operators ensure an adequate and sustainable supply, manage tighter regulation, reduce costs and take into account environmental protection. This presentation gives an overview of how water management can be refined and is based on numerous examples. |
| <b>14:45</b> | <b>Why you need active environmental management to help improve your site operations</b><br><b>Julian Smallshaw, Head of Educational Development</b><br><b>Institute of Quarrying</b><br><br>Environmental management is often considered a luxury that many businesses simply can't afford. However operators need to show they are trusted guardians of the earth's resources and by doing so can improve site efficiencies and profits too.       |              |  |
| <b>15:15</b> | <b>Achieve better energy consumption and reduce costs through your crushing operation</b><br><b>Wayne van Antwerpen, Crusher Technology Product Manager</b><br><b>Terex Materials Processing</b><br><br>Taking an in-depth look at the alternative options for cone crusher bearing trains, along with the improvements that can be achieved in reducing energy consumption and costs, leading to overall better environmental management practices. | <b>17:15</b> | <b>Geotechnical considerations in final and restoration slope design</b><br><b>David Jameson, Partner &amp; Principal Geotechnical Engineer</b><br><b>GWP Consultants LLP</b><br><br>This presentation discusses the geotechnical considerations for final quarry design and practicable restoration techniques in hard rock quarries. The modern techniques for remote geological data collection for slope and access road design along with rockfall prediction and containment are discussed with reference to a working quarry.                         |
| <b>15:45</b> | <b>Dust Control in Bulk Mineral Handling &amp; Processing</b><br><b>Rajesh S Naik, Director</b><br><b>Best-Chem Limited</b><br><br>Effective dust control in modern quarrying operations is an important aspect of health & safety practice and for environmental and machinery maintenance reasons. Learn about the different sources and methods to manage dust in a busy site.  | <b>17:45</b> | <b>Summary &amp; close</b>   |
|              |  | <b>18:00</b> | <b>BBQ Buffet &amp; Networking session</b>   |