

WORKSHOP

DECEMBER 03-04th 2016
HILTON BOSPHORUS
ISTANBUL

December 3rd 2016 Saturday

10.00 – 13.00 Course
13.00 – 14.00 Lunch
14.00 – 17.00 Course

December 4th 2016 Sunday

10.00 – 13.00 Course
13.00 – 14.00 Lunch
14.00 – 17.00 Course
20.00 – Gala Dinner
[International Miners Day 4th December]

Course fee USD 450

PAYMENT INFORMATION

| | |
|----------------------------|---|
| Bank | Akbank |
| Branch | Beyoğlu Branch |
| Account Name | TÜRKİYE MADENCİLER DERNEĞİ TİCARİ İŞLETMESİ |
| Branch Code | 156 |
| Account Number | 76387 |
| Swift Code | AKBKTRIS |
| TL Account Number / IBAN | TR46 0004 6001 5688 8000 0763 87 |
| USD Account Number / IBAN | TR28 0004 6001 5600 1000 0764 11 |
| EURO Account Number / IBAN | TR21 0004 6001 5603 6000 0764 14 |

Approved by the participant.

Name :
Title :
Date :
Signature :

Approved by the Association.

Name :
Title :
Date :
Signature :



TÜRKİYE MADENCİLER DERNEĞİ
TURKISH MINERS ASSOCIATION



TÜRKİYE MADENCİLER DERNEĞİ
TURKISH MINERS ASSOCIATION

SEKTÖRDEN
HABERLER

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OPERATIONAL RISK MANAGEMENT IN THE GLOBAL MINING INDUSTRY

DAVID REECE

Operational Risk Management in the Global Mining Industry

David Reece

Risk assessment and risk management have become common activities in mining houses and sites around the world, similar to other major industries. For at least 25 years, systematic methods have evolved to help understand hazards and assessing risks related to various mining methods in an attempt to reduce potential mining disasters.

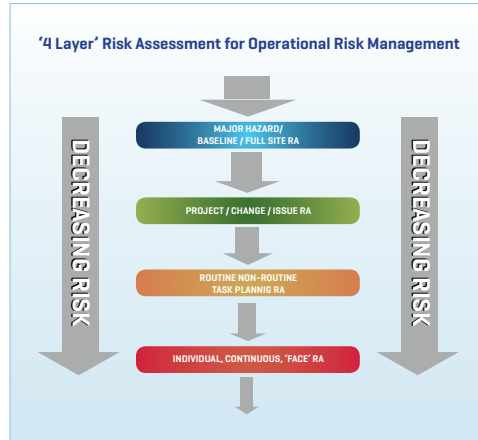
Early developments in risk assessment and management were usually driven by changes to legal requirements, often following a catastrophe. However, in this century, many mining companies have developed their own guidelines and standards for this activity, driven by the recognition that good risk management is good business.

The workshop will address several areas.

- The underpinning requirements for establishing effective risk management
- A good practice model of Operational Risk Management [ORM] for site application
- Example drivers and applications from the minerals industry
- Current major trends in mining operational risk management

The above good practice ORM model suggests four locations in the site operation where there is an opportunity to make good proactive decisions about mine design, major changes, work methods and personal safety. The presentation will overview this approach while the workshop will examine the 4 layers in detail.

The workshop will also overview Critical Control Management [CCM], a recently adopted method for optimising catastrophic risk management as part of overall ORM. CCM focusses



on reducing risks related to unwanted events with highest potential consequences by assuring appropriate and efficient key controls are implemented and maintained.

In 2014, the International Council of Mining and Metals [ICMM] commissioned a project to develop a guide containing good practice information about CCM. CCM discussed in this presentation and workshop is based on the content of that guide, published on the ICMM website in 2015.

Finally, the workshop will introduce a basic analysis tool that may help a company or site identify their readiness for ORM and CCM. The tool has been structured as a Journey Chart. Each step in the journey describes the risk management culture of the business or site.

In summary, these processes for the management of major mining industry risks potentially provide an opportunity to focus efforts, effectively manage challenging risks and eliminate the highest consequence events from the industry.



David Reece

Consultant, The Safety Managers Pty. Ltd., **Australia**

David Reece has more than 35 years experience as a mining engineer, mine manager and operational risk manager in the Australian and international mining industries. He is a principal consultant with The Safety Managers. This role covers the establishment, auditing and assessment of effectiveness of safety and health management systems, assisting mining organisations with their statutory compliance obligations, conducting significant incident investigations, mentoring and examination of candidates for statutory qualifications and lecturing in risk management and mining management.

David has held various positions within the mining industry prior to commencing with The Safety Managers, some of which include General Manager SHE with Roche Mining; Senior Inspector of Mines – Qld Dept. Natural Resources and Mines; Mine Manager at Dartbrook, Central and North Goonyella Coal Mines. These operations provided the opportunity to gain valuable experience and knowledge of gassy and geologically complex mines in Queensland and New South Wales as well as an intimate appreciation of risk and safety management. He was the lead for the Expert Panel investigating the Pike River Coal Mine Disaster for the Department of Labour, liaising with New Zealand Police and the Pike River Royal Commission.

He holds a Bachelor of Engineering [Mining]; Graduate Diploma in Mineral Resources [Risk Management]; Manager's and Undermanager's Certificates of Competency, Underground Mines Rescue Certificate, qualifications in incident investigation, incident management, auditing and training and assessment.