How can Southeast Asian coal mining industries apply the German risk management system?

Experiences from Vietnam

Jürgen Kretschmann

University of Applied Sciences Georg Agricola in Bochum, Germany

Nguyen Thi Hoai Nga

Hanoi University of Mining and Geology, Vietnam
Content

• Some facts and figures
• The German risk management system in coal mining companies
• Multi-level approach of the adaptation from German to Southeast Asian coal mining industries
• Experiences from the Vietnamese coal mining industries
• Conclusion
Some facts and figures

Risk management and occupational safety and health management
Stone excavation in Thammarat - Thailand
Coal industry in Quangninh - Vietnam

Ignorance of NO ENTRANCE

Ignorance of NO FIRE
The German risk management system
Implementation and achievement
The multi-level approach of the adaptation
The multi-level approach

- Strategic & national safety programs
- Conferences, symposiums, workshops
- Managers: Knowledge and willingness
- Workers: Skills and motivation
- National level
- Corporation level
- Subsidiaries level
- Department level and Section/shift level
Experiences from the Vietnamese coal mining industry (rep. Vinacomin)
Corporation in strategic and national safety programs

International Social Security Association and Ministry of Labour - Invalid and Social Affairs co-hosted annual safety conference in frame of National Safety Week

J. Kretschmann
T.H.N.Nguyen
At corporate level (case study VINACOMIN)

Two stages of risk management handbook’s deployment in Vinacomin

J. Kretschmann
T.H.N.Nguyen
At subsidiaries` level

Model of occupational OSH and RM on the subsidiary level in Vinacomin

J. Kretschmann
T.H.N.Nguyen
Changes through and in training

- Think small!

- The tiniest small change in circumstance can have a big impact

- The small things can be seen in working places, not in the management board
Changes through and in training
It is worth noting...

• ... that Prevention brings more advantages than just spending
  – From the German hard coal mining industry (rep. RAG): better prevention offer (opportunities) to increase the productivity
  – From the International Social Security Association (ISSA): Return of Prevention (ROP) = 2.2

• ... that the value of companies, investing in people, is benchmarked by 40% better than the others
It is worth (also) noting...

• ... that in Southeast Asia, cultural requisite should not be ignored
It is worth (also) noting...

- ... that in Southeast Asia, cultural requisite should not be ignored
  - Politeness
  - „Lose face“
  - Communication
  - Individualism – collectivism
  - Role of trainers in training: from conventional training methods to participatory training methods
Conclusion
Successful risk management transference

Know-how transference

Experiences exchange

Interculture understanding
Risk and chance

Western countries
Two sides of a coin

Estern countries
Yin & Yang
Thank you for your kind attention.

Glück auf!

kretschmann@tfh-bochum.de
thihoa.nga.nguyen@rwth-aachen.de