MIRO`s Strategy to enhance Health and Safety

Prof. Dr. Ulrich Hahn
German Aggregates Federation
Cologne
Germany

www.bv-miro.org
MIRO`s Strategy to enhance Health and Safety

- Who is MIRO?
- German aggregates industry – statistical data
- Health and safety background in Germany
- MIRO`s measurements
Frequently used abbreviations

- **MIRO**  German Aggregates Federation
- **StBG**  Institution for Statutory Accident Insurance and Prevention
- **OHS**  Occupational Health and Safety
MIRO - German Aggregates Federation

Crushed Rock Industry

Lime Industry (only limestone part)

Sand & Gravel Industry

www.bv-miro.org
Association System in Germany

Regional Associations in the German Federal States

Crushed Rock (including limestone) and Sand & Gravel Enterprises

German Building Materials Association

Federation of German Industries (BDI) (umbrella organisation for 36 industrial sector associations)

Ornamental Rock
Gypsum
Clay
Slate
Concrete
Cement
and more
(24 in total)

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National key statistics

- 485 million tonnes of aggregates in total (estimated)
- Around 650 sand & gravel pits
- Around 490 crushed rock quarries
- 11,300 people employed
Workforce in the German Aggregates Industry

- 1 - 9 employees: 45%
- 10 - 19 employees: 35%
- 20 - 49 employees: 15%
- 50 - 99 employees: 5%
- >100 employees: 5%
Safety First!

You may not get a second chance...
Deuteronomy, chapter 22, verse 8  
(Holy Bible)

When you build a new house,  
you shall make a parapet around your roof  
that you may not bring the guilt of blood upon  
your house,  
if any one fall off it.
MIRO´s Approach to OHS-Affairs

- Information
- Intervention
- Analysis
- Motivation
Circular Letters

Occupational Health & Safety
Training Courses

- Training course for Occupational Health and Safety for employees in management positions, in cooperation with StBG (Institution for Statutory Accident Insurance and Prevention)

- MIRO’s Annual Management Seminar (since 1977)
Safety in Pocket Size
(12,000 sets)

29 different individual subjects
Instruction Leaflets

Construction Site Directive
Handbook for managing OHS

a tailor-made aid for small and mediumsized quarries
Yellow Card

Attention!
You receive this Yellow Card because ....
„Safety-at-Work“-Award

and the winner is ...

1 x gold medal
2 x silver medals
3 x bronze medals
Accidents at Work
(per one million hours)

StBG: Institution for Statutory Accident Insurance and Prevention (all branches)
MIRO: German Aggregates Federation
BVK: Federal Association of the German Lime Industry
Regulatory Requirements concerning Occupational Health and Safety

- Legal Provisions
- Regulations
- Directives for the Prevention of Accidents
- BG-Rules
- Company-Directives
- In-House Arrangements
- Instruction Manual
Regulatory Requirements concerning Occupational Health and Safety

are addressed to

Management
Employees
Machine Manufacturers
Why do these accidents occur?

Who is responsible?

Who has to pay for the costs of the accident and its consequences?
Avoidable Accidents

- Squeezed by the rotor of a crusher when changing baffle plates/hammer
- Squeezed between joint of loaders or dumpers
- Squeezed between excavator and truck
- Drawn-in between conveyor belt and lower belt rollers
- Slipped from the ascent of mobile equipment
- Knocking of the driver against parts of the cab
- Uncontrolled banging of windows, flaps and doors from mobile equipment
- ...
- ...
- ...
- ...
Accidents have a behaviour-caused component and/or a constructional-caused one
CE-Declaration of Conformity for Machinery does not guarantee safe machine and mobile equipment
Branch Initiative „Safe Machines“

The agreement is a recommendation in consideration of the risk potentials and under practice aspects between Machine Manufacturers, Operators, StBG and Associations (MIRO / VDMA)
Branch Initiative „Safe Machines“

Aim:

The Employees are the focus of attention!
Branch Initiative „Safe Machines“

Aim:

Protection against Regress
Protection against Fines
Branch Initiative „Safe Machines“

has advantages for

Employees, Operators and Manufacturers
Branch Initiative „Safe Machines“ of 1. August 2006
Thank you very much for your attention!