











MIRO's Strategy to enhance Health and Safety

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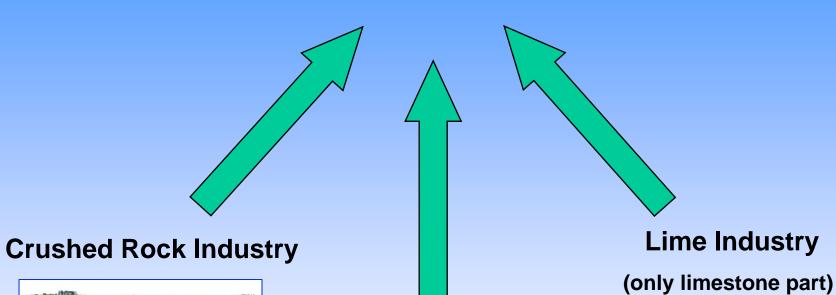
- Who is MIRO?
- German aggregates industry statistical data
- Health and safety background in Germany
- > MIRO's measurements



Frequently used abbreviations

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

MIRO - German Aggregates Federation

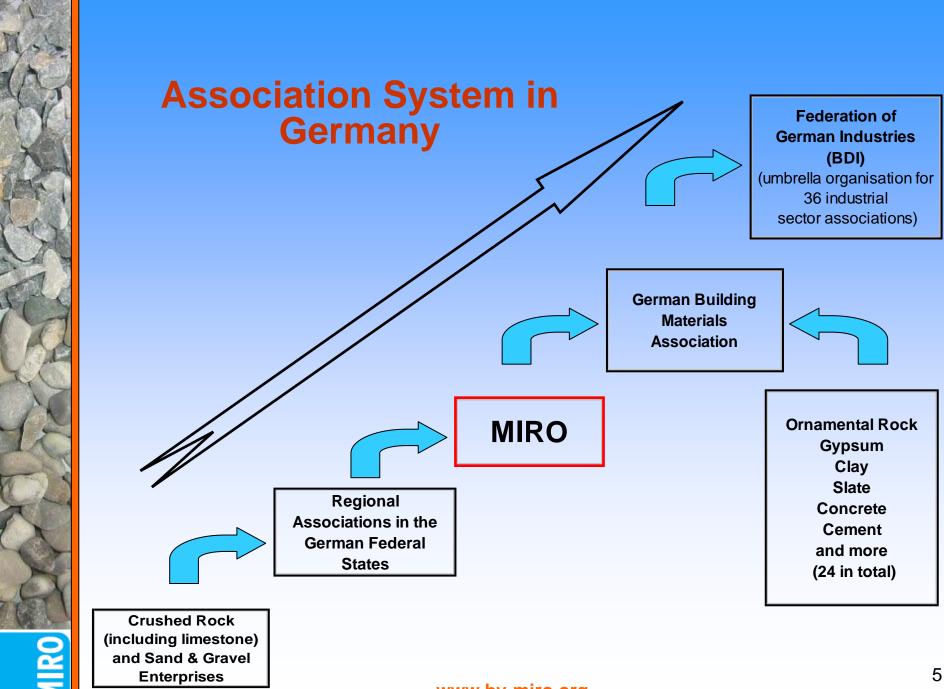


Sand & Gravel Industry







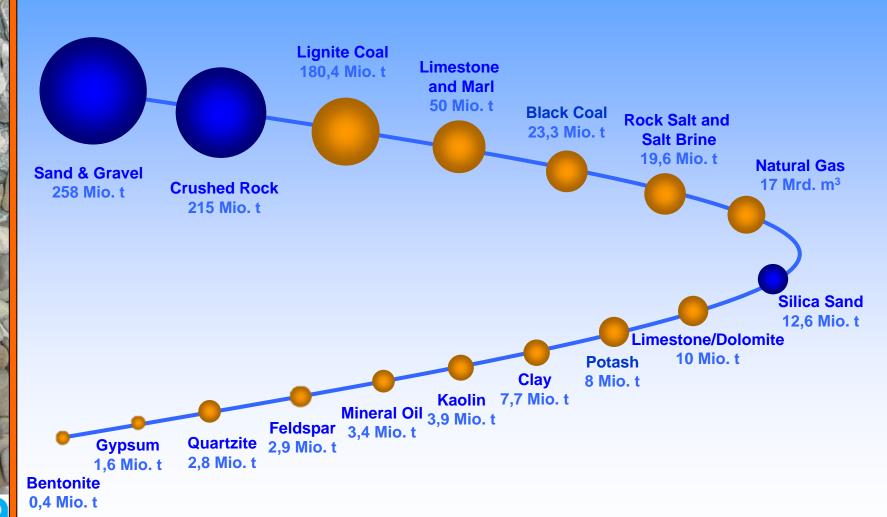




National key statistics

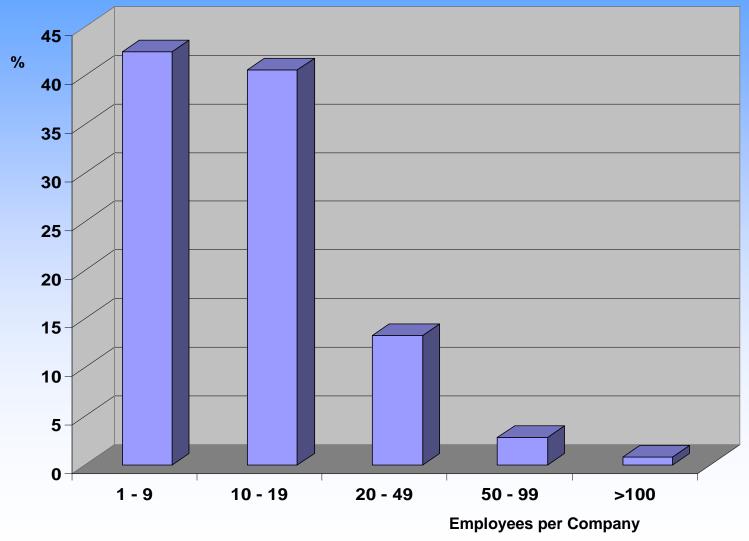
- 485 million tonnes of aggregates in total (estimated)
- Around 650 sand & gravel pits
- Around 490 crushed rock quarries
- > 11.300 people employeed

Raw Materials Extraction in Germany 2007





Workforce in the German Aggregates Industry





Safety First!

You may not get a 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

Bundesverband Mineralische Rohstoffe e.V.

MIRO-aktuell

Nr. 15 vom 26.08.2008

Ein Exclusiv-Service für die Unternehmen der Mitgliedsverbände sowie die Direktmitglieder von MIRO

Themenübersicht

- 1. Rohstoffsicherung / Umweltschutz / Folgenutzung
- 2. Anwendungstechnik / Normung
- 3. Steuern / Recht / Betriebswirtschaft
- 4. Arbeitssicherheit / Gesundheitsschutz
- 5. Veranstaltungen

Herausgeber: Bundesverband Mineralische Rohstoffe e.V. Annastr. 67 - 71 50968 Köln

Tel.: 0221 / 93 46 74-60 Fax: 0221 / 93 46 74-64 E-Mail: <u>info@bv-miro.org</u> <u>www.bv-miro.org</u>



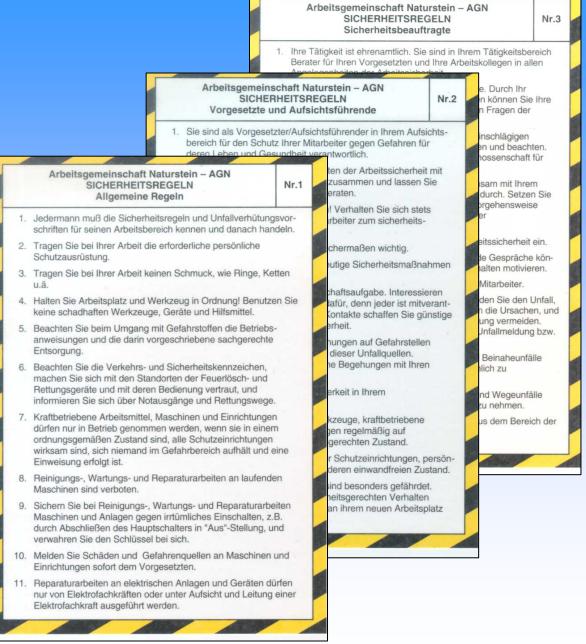
Training Courses

- 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

MERKBLATT ZUR BAUSTELLENVERORDNUNG

Deutscher Gesteinsverband e.V. Stand Februar 2002





Handbook for managing OHS

a tailor-made aid for small and mediumsized quarries







ACHTUNG!

Sie erhalten die

Gelbe

Karte,

weil ...



You receive this

Yellow

Card

because

"Safety-at-Work"-Award



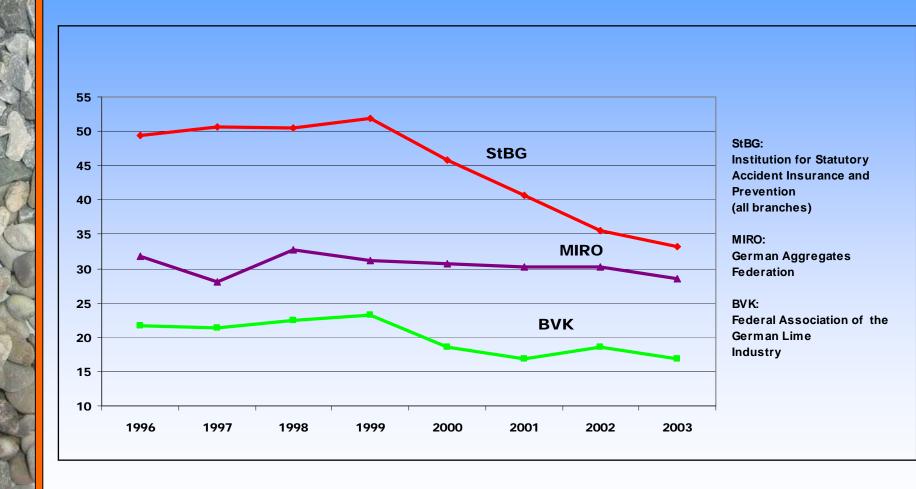
- 1 x gold medal
- 2 x silver medals
- 3 x bronze medals

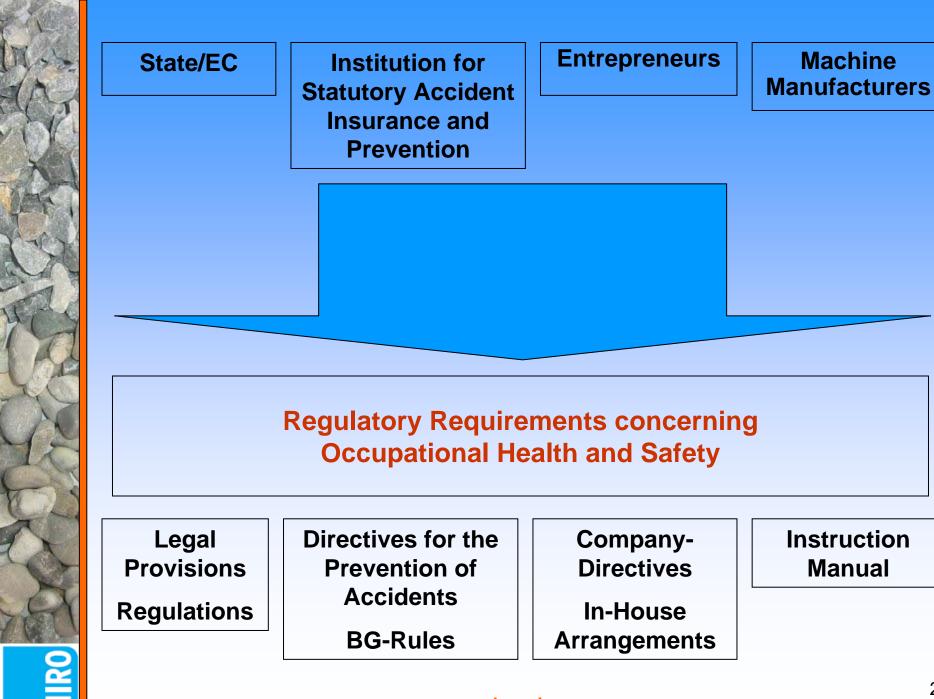




Accidents at Work

(per one million hours)





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

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



The Employees are the focus of attention!





Protection against Regress Protection against Fines





has advantages for

Employees, Operators and Manufacturers



Branch Initiative "Safe Machines" of 1. August 2006



















Thank you very much for your attention !





