

Safety and Health

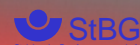
State of the Extractive Industry in Germany

Helmut Ehnes



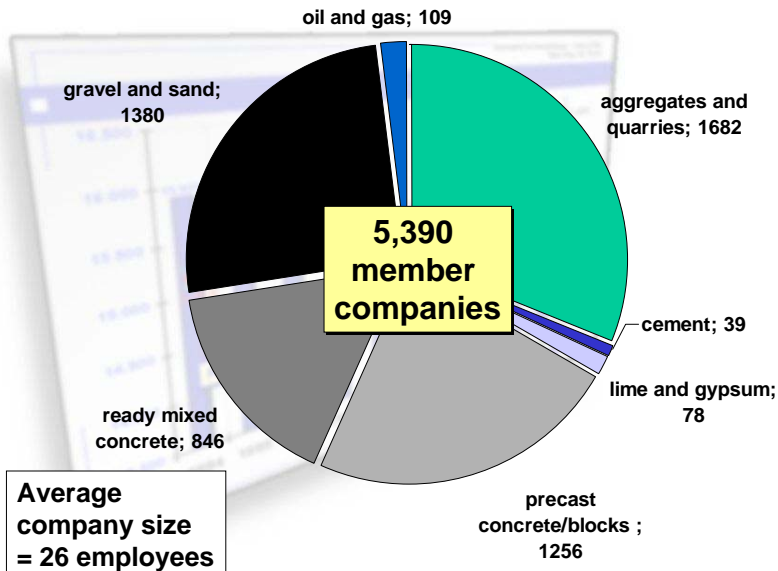
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OSH- Statistics



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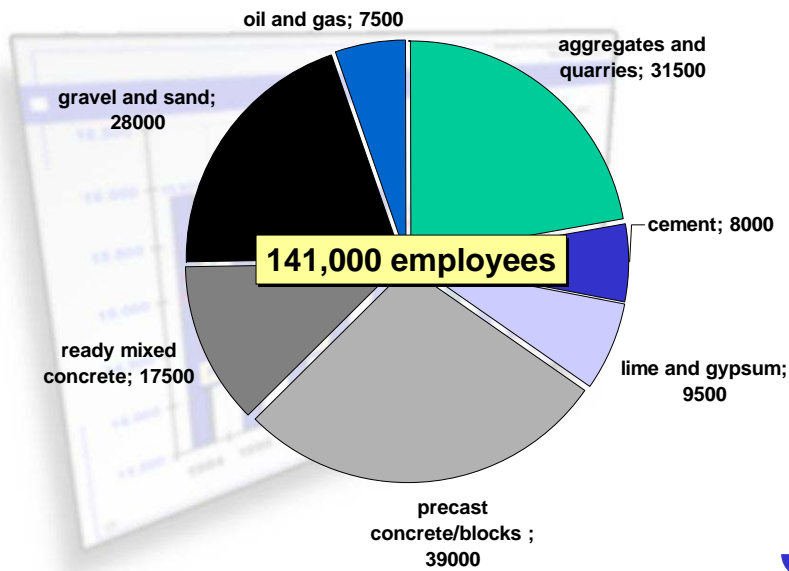
■ Branches of the StBG member companies



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■ Employees in the branches of the StBG



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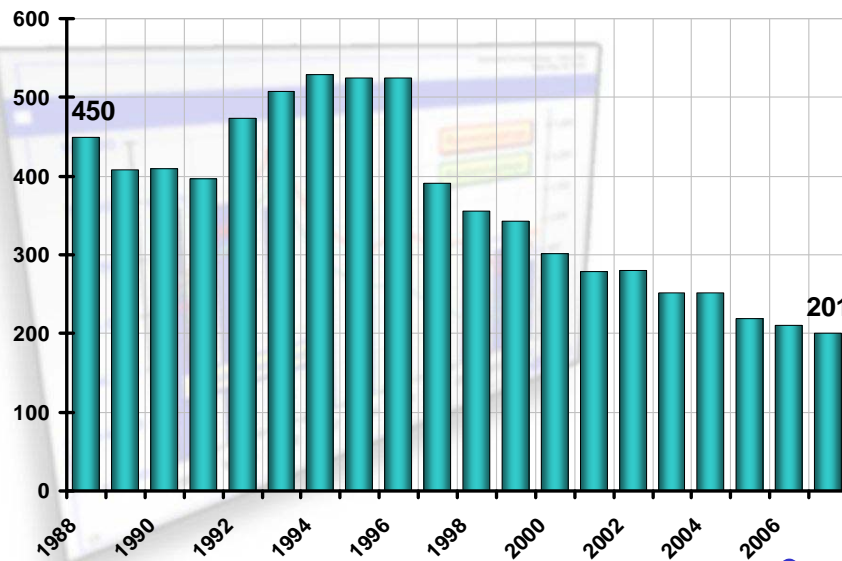
■ OSH-Statistics 2006/2007

	2006		2007
accidents at work	12.634	-2,91%	12.266
notifiable accidents at work	6.115	-5,30%	5.791
new accident pensions	210	-4,29%	201
fatal accidents	10	40%	14
notifiable accidents at work per 1000 full-time-employees	49,14	-5,74%	46,32
suspected/reported occ. diseases	417	6,47%	444
new pensions occ. diseases	57	-1,75%	56

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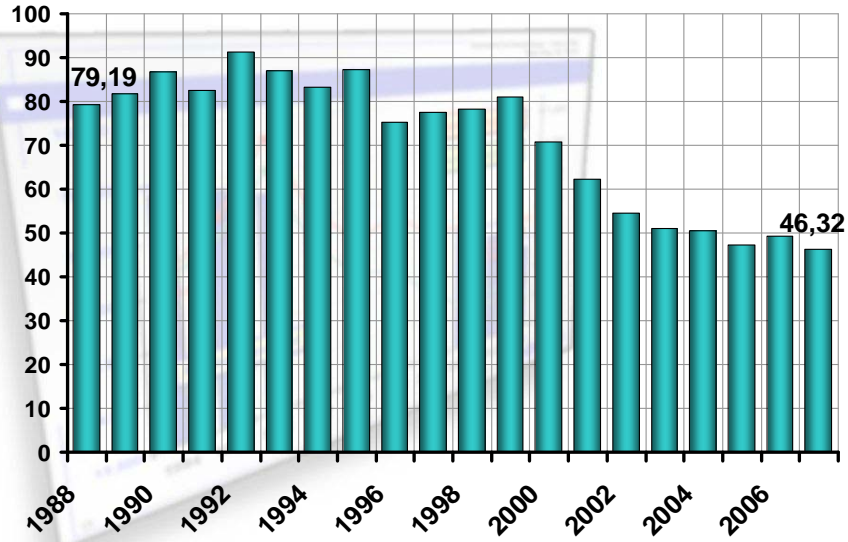
■ New Accident Pensions 1988 – 2007



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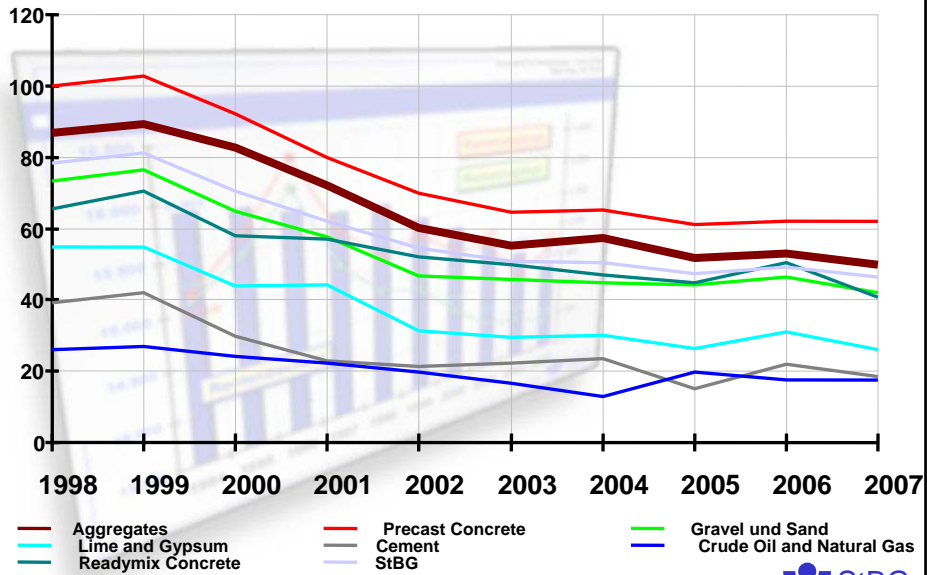
■ Notifiable Accidents per 1000 Fulltime-Employees



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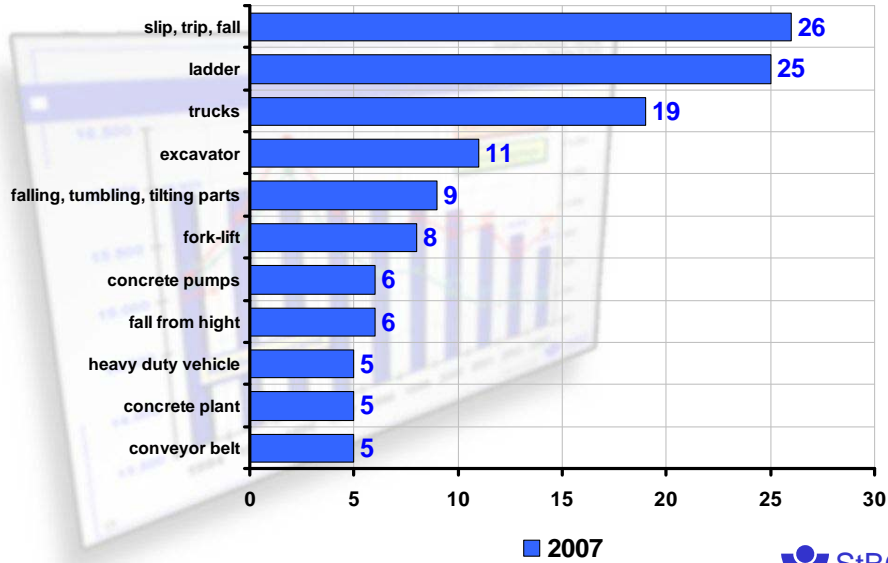
■ Notifiable Accidents per 1000 Fulltime-Employees



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■ New Accident Pensions 2007 caused by ...



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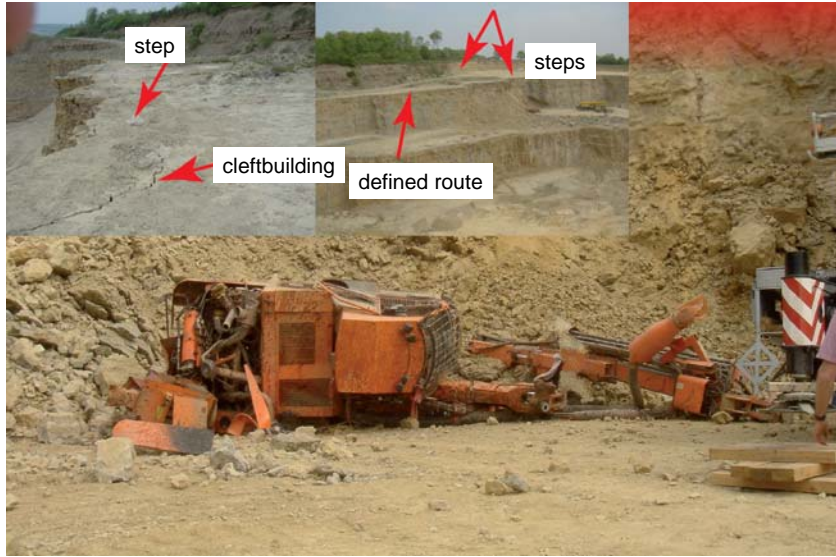


Remarkable Accidents 2007

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■ Crash of a Drilling Machine



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■ Dumper Crash - Safety Belt not Applied



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■ Pulled in while Cleaning Belt



12



■ Pulled in while manually removing Rocks of Crusher



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■ Thrown out after hitting Quarry Face – No Safety Belt available



14

■ Conveyor Belt – serious skin injury



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■ Severe Burns by hot raw material (Cement Plant)



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National OSH-Strategy in Germany (GDA)

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National OSH-Strategy in Germany (GDA)

3 Main-Targets:

- Reduction of occupational accidents
- Reduction of musculoskeletal disorders
- Reduction of skin disease

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Prevention activities for the Extractive Industry **2007/2008**

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Targets Of Prevention

Management aids	Incentive systems	Cooperations	Events	Media	Personal contacts		Contacts + Products	Target Groups
					During seminars	Within the company		
Systematic Safety	Reward system	Award Work, Safety, Health	Branch related congresses	Practical manuals	Company physicians	Safety inspectors		Employers (SME)
								Insured
								Qualified employees for safety
								Safety representatives
								Company physicians
								Employee representatives
								Executives
								Employers (large concerns)

Education/ Qualification

Employers

Executives

En

**Per year:
6,000 participants
in 300 courses**

Concrete Mixer Drivers

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Forum protec**T**

- **2007/2008:**
Safe use of Vehicles
(630 participants)
- **2008/2009:**
Qualification:
Targets – Standards – Methods
26.-27. November 2008
3.-4. Februar 2009



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Symposium „Safety in Heat Exchanger Areas of Cement Plants“

Topics:

- State of Technology
- Derivate Fuels
- PPE



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Motivation Video Project „Use of Personal Protective Equipment“

- Partners: Holcim, RAG, BBG, StBG
- Aim: Motivate to wear/apply PPE
- Ready to use: Spring 2009

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Safety Management

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■ Safety Management – Safety Seal

- 440 companies got our safety seal
- 8% of extractive industry in germany
- the accident rate of companies having been audited is on average 54% lower than in the rest of companies



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■ Safety Management

Forum protecT special „5 Years of Safety Seal“



- September 2008:
(220 participants)

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■ Safety Manual



- Relunched Internet Presentation
- 5200 Folders and CD's ditributed

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■ Safety First - Video-based Training



Cooperation with Lafarge/Monier

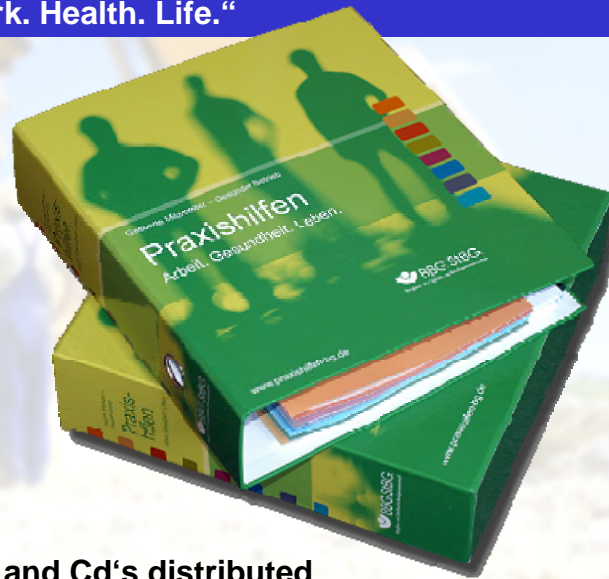
- Slip, Trip and Fall
- Lifting and Carrying
 - Forklifters
 - Portable Ladders
- Pedestrians and Vehicles

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Health Initiatives

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■ Praxis-Guide „Work. Health. Life.“



- 1,500 folders and Cd's distributed

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■ Praxis-Guide „Silica Dust“



- Mailing in January 2008 (1,900 folders)
- Sold out in four weeks
- Updated reprint
- 9 seminars with approx. 350 participants

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Fit for Job and Life-Video-Magazine



Topics:

- Skin
- Stress at work
- Physical fitness

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Incentive Systems

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■ Bonus System



**Do more,
Get more !**

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■ Bonus For Investments In Health and Safety

- Safe Technology
- Safety Management Systems
- Safety and Health Initiatives
- Health Prevention
- Less than average accidents



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■ Bonus For Investments In Health and Safety

Bonus max.:
30 % of Investment/30.000 Euro

Premias paid since 2005:
7.2 Million Euro

Average Bonus:
2.200 Euro



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■ Steinexpo 2008

STEINEXPO 2008

**Do more,
Get more !
at the Safepoint**

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Steinexpo 2008



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Award Work Safety Health



- Balance of 11 years:**
- 3,559 Best Practice Ideas
 - 117 Awards
 - 770,000 Euros Awarded Money

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Expectations and Recommendations for the Atlantic Alliance

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■ Expectations and Recommendations for the Atlantic Alliance

- **Recommendations for Design of Mobile Equipment
in the Extractive Industry**
- **Recommendations for Design of Fixed Machinery
in the Extractive Industry**
- **Recommendations for Education and Training
in the Extractive Industry**
- **Active Use of quarry-Safety-website**

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**Thank you
for listening!**

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