

Vision Zero

The global prevention strategy for mining and beyond

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Vision Zero

**„ I have a dream that one day every mine will be
accident free, every miner will come back home and
remain healthy“ (Alexander Sin)**

Vision Zero

Everyone has the basic right to life and physical integrity.

But:

Each year the social accident insurance in Germany records about 850.000 accidents at work. In German jobs, 500 employees are annoying every year. On German roads about 3400 fatal traffic accidents occur every year.

So, how is the basic right implemented?

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What else can be done to reduce the number of accidents?

- We have safe machines and equipment
- We have well-trained employees
- ...

So, what else do we need?

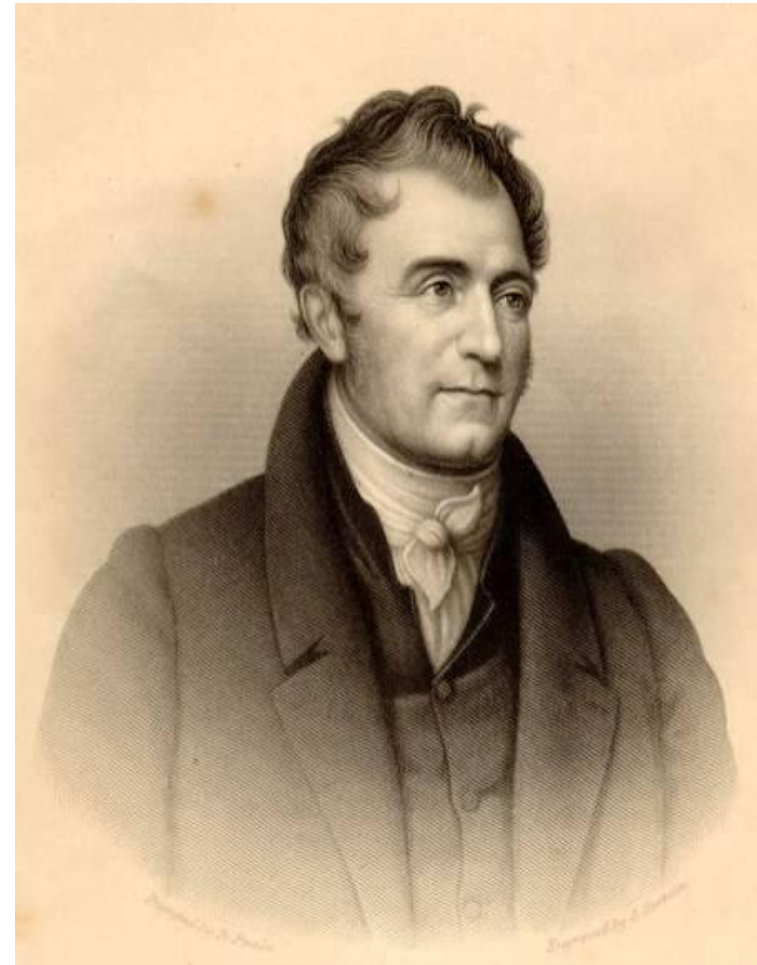
Another safety philosophy

1811

As consequence after severe explosions of his powder mills in Wilmington (USA),

Eleuthère Irénée Du Pont

- **made his managers responsible!**
- **defined safety rules!**
- **improved technology!**



Vision Zero

- Is a PREVENTION STRATEGY for a safe future.
- EVERY accident is preventable!
- NOBODY get`s killed at work!
- NO SERIOUS occupational diseases, work accidents and traffic accidents!

Vision Zero

Is based on four principles:

- 1. Life and health are not negotiable**
- 2. People make mistakes**
- 3. Physical and psychological resilience of man decides.**
- 4. Priority for relationship prevention. (Shared responsibility.)**

The development of Vision Zero

- **Sweden in the 1990: Zero traffic accidents**

Nobody is to be fatal in traffic or so badly injured that life-long damage to health is caused.

- **After the turn of millenium:**

several european states and also Singapur, Neu Zealand, Corea, Australia and Canada have taken up this approach

- **Germany 2007:**

German road safety council (registered association) promoted this strategy

- **Germany 2008:**

The statutory accident insurance (DGUV) has incorporated the strategy into its prevention principles

The development of Vision Zero

- **2012 IVSS (International Social Security Association)**
Mining Section decided to put the prevention strategy under the leitmotif: VISION ZERO. Safe mining worldwide.
- **2014: BG RCI takes the strategy into its prevention work**
Nobody is to be fatal in traffic or so badly injured that life-long damage to health is caused.
- **2015: IVSS Vision Zero for all 13 Sections**
All sections follow the strategy.



The development of Vision Zero

ISSA Mining at OSH World Congress 03 - 06. September 2017:

**IVSS campaign XXI World Congress on Safety and Health at
Work in Singapur**

Campaign to launch the VISION Zero strategy

www.visionzero.global

Vision Zero

Implementation

7 Golden Rules



1

Show Commitment & Leadership

Simple & Efficient

- Safety is always the 1. item on every agenda
- Set an example with respect to OSH
- Instantly react to unsafe conditions and unsafe behavior

2

Identify Risks & Hazards

- **Care for systematic risk assessment**
- **Include maintenance and repairs**
- **Evaluate work accidents, diseases and near misses**

3

Set Targets for Safety & Health

- **Define your own OSH-targets**
- **Evaluate progress – adopt if necessary**
- **Design targeted prevention campaigns for your employees**

4

Ensure a Safe & Healthy System

- **An advanced organisation of OSH pays**
- **Make all of your managers responsible**
- **Implement a safety & health management system**

5

Use Safe & Healthy Technology

- **Consider OSH when ordering new plant or machinery**
- **Use all machines in a safe way and regularly check your safety installations**
- **Care for safe access and egress**

6

Improve Competence

- **Special competence needs special education**
- **Define the qualification for each workplace**
- **Set up a plan for regular training and instruction**

7

Involve People Invest in People

- **Involve your employees**
- **Use your employee's ideas for OSH**
- **Acknowledge good OSH performance**
- **Develop confidence and a culture of prevention**

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Guide

Vision Zero - Guide



Experience from 1000 authors!

- 700 employers, managers & experts
- 300 labour inspectors

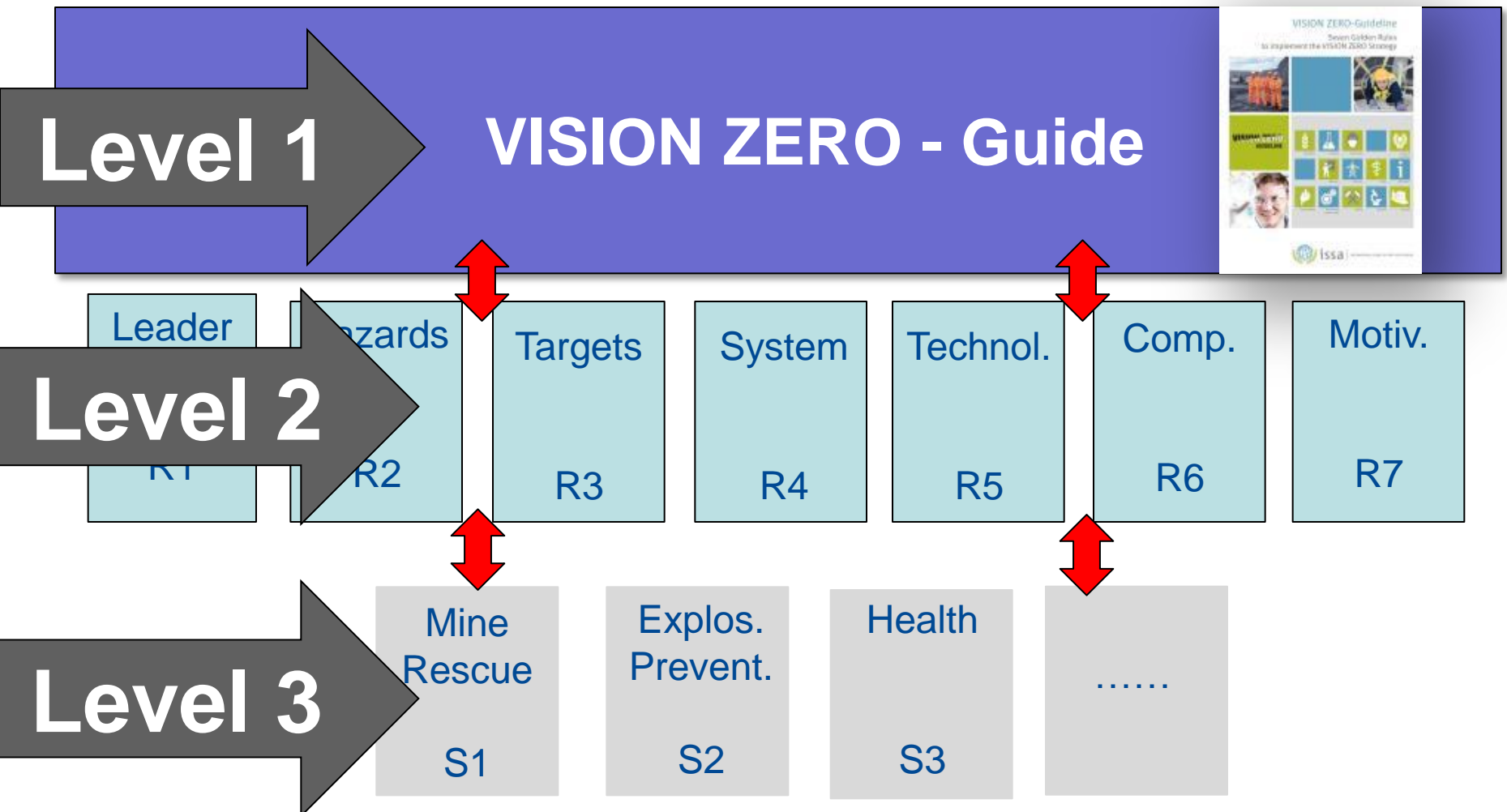
How do things look in your operation?

1 I demonstrate safety and health, set the standards and serve as a role model for my employees and managers.	Individual Rating	Overall Rating
I am responsible for the safety and health of my employees. I am aware of this and accept this responsibility.	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
I have established and communicated occupational safety and health objectives (mission statement, principles).	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
Safety and health take precedence for me – in case of doubt I say STOP.	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
Safety and health is always the first item on the agenda in all meetings in my operation (agenda point 1).	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
I am aware that I serve as a role model. I follow the rules and use personal protective equipment.	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
When I see unsafe actions, I intervene immediately and talk to the person involved.	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	
I attend OSH-seminars for leaders and obtain current information.	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>

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Toolset

Vision Zero Tools



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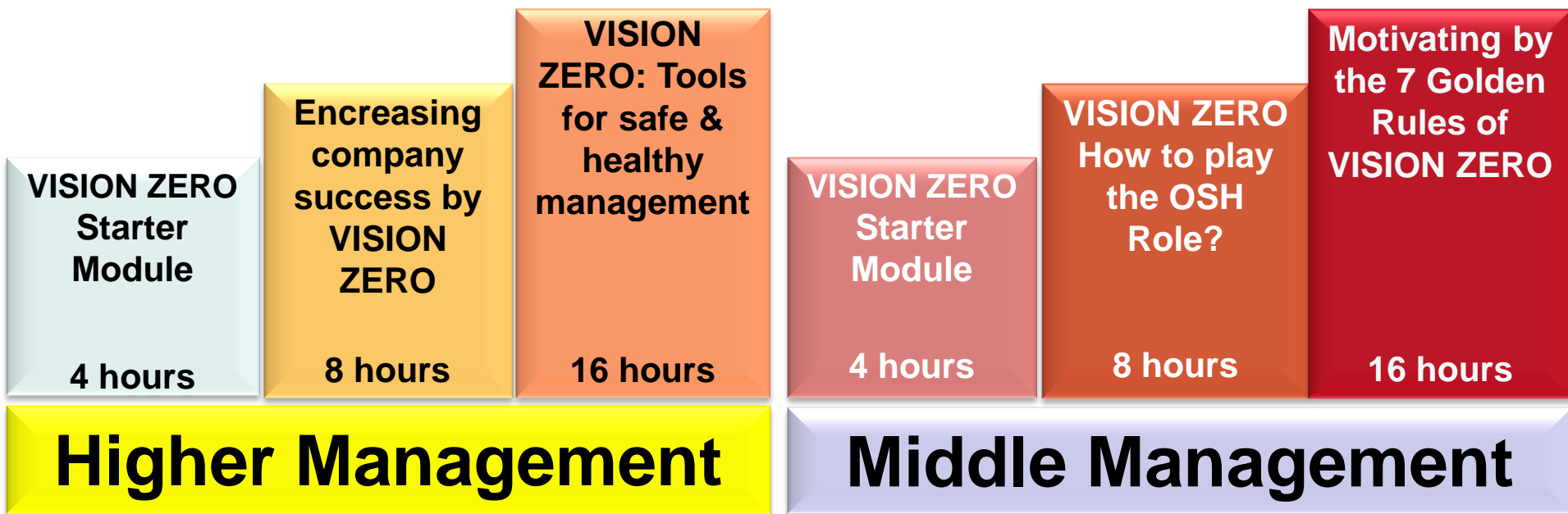
Seminars

ISSA Prevention Seminar on VISION ZERO & 7 GOLDEN RULES



- I. Principles
- II. Arguments
- III. Implementation
- IV. Good Practice
- V. Checkpoints

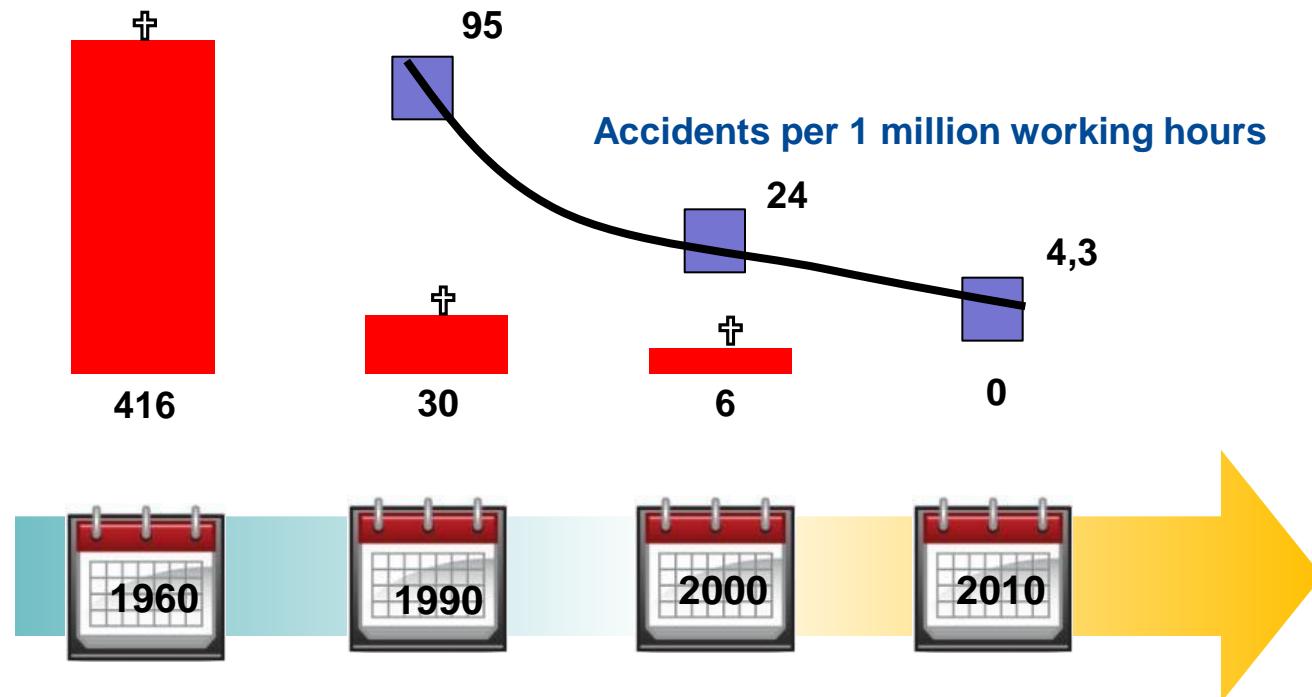
Qualification of Managers



Basis: VISION ZERO Guide - 7 Golden Rules

Success: TOP – Model of RAG

(German Hard Coal Mining Company)



Success: Value of Companies

(Results of a study from the Value Group*)

„The value of companies,
investing in people,
is benchmarked by

40%

better than that of others.“

* Supported by German Universities

Success:

Results of an international study conducted by ISSA

Return on prevention = 2.2 Euro

REMEMBER:

It's a fact that still many people suffered severe accidents:

For example: BG RCI 2015:

- 33.212 member companies**
- 1.212.457 full time employes**
- 18,3 accidents per 1.000 full time employes**
- 24 fatal occupational accidents**

Global:

- 2 Million work related fatal diseases**
- 340 Million work accidents**
- 360.000 families are missing one relativ**

And there is a 8 times higher rate for accidents in mining
All this caused a 4% economic loss worldwide - annually

Membership Application Form

ISSA Mining
c/o Berufsgenossenschaft Rohstoffe und chemische Industrie (BG RCI)
Hunscheidtstraße 18, D-44789 Bochum, Germany

ISSA Mining Section Membership

☐ Ms. ☐ Mr.

Title / First Name / Surname

Address Institution

Address private

www.issa.int/prevention-mining

E-Mail

Membership category:

- ☐ Ordinary Member Annual subscription: 500 CHF
☐ Corresponding Member Annual subscription: 100 CHF

Place / Date / Signature

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