

VISION ZERO.

7 Golden Rules

Global ISSA Prevention Strategy
for Rescue and Beyond

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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

International Network for Safety & Health



13 International Sections of ISSA on Prevention of Occupational Risks

- Key actors of ISSA's prevention programme
- Organized in industrial branches





ISSA Mining ...

- **Safety and health in mining**
 - **Independent and international**
 - **Non for profit organisation**
 - **Worldwide platform**
 - **All mining industries**
- 

Aims of ISSA Mining

- **Protect miners from accidents and damage to their health.**
- **Support employers and managers in their responsibilities.**
- **Improve social security in mining.**
- **Care worldwide for acceptable working- and social conditions.**
- **Influence OSH politics on a global level.**

Structure of ISSA Mining

Board



**Theodor
Bühloff**
GERMANY
*President
until 3/2016*



**Ulrich
Meesmann**
GERMANY
*President
from 4/2016*



**John
McEndoo**
SOUTH AFRICA
Vice President



**Cristian
Moraga**
CHILE
Vice President



**Peter
Schrimpf**
GERMANY
Vice President



**Helmut
Ehnes**
Secretary General

**Bochum Office
Germany**

Membership
Accounting

Advisory Board

Senior Experts

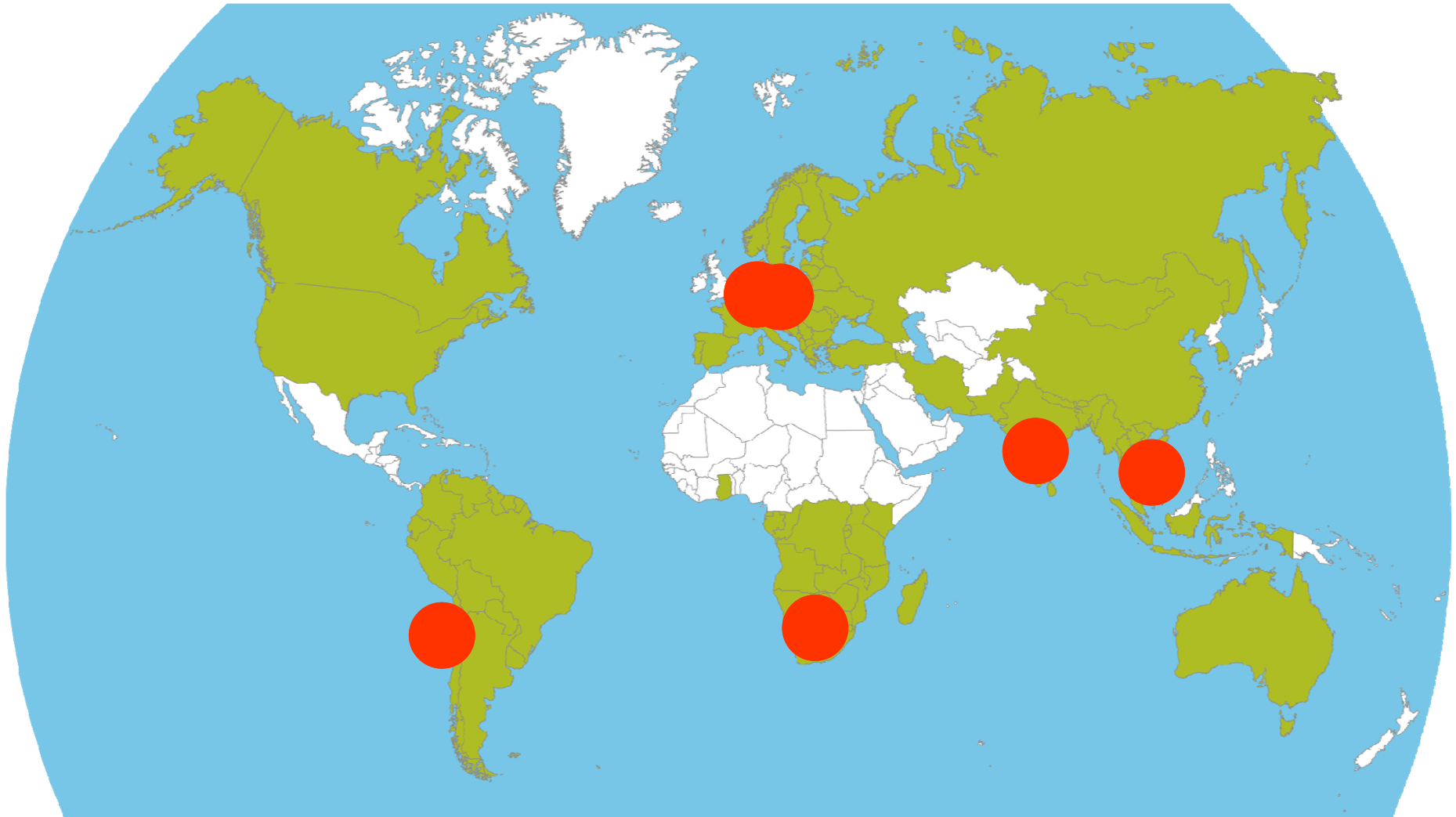
**Langenhagen Office
Germany**

Media
Communication

Members

Organisations - Enterprises - Individuals

- ISSA Mining Members
- ISSA Mining Representation



Fields of Action of ISSA Mining

OSH politics



OSH management system
and OSH organisation

Safe mining
technology

Dust, noise, vibration
and chemical agents

Health protection



Education
and training

**MINE
RESCUE**

Risk assessment

Safe
behaviour

Personal Protective
Equipment (PPE)



Advice on Accident
Insurance, Compensation,
Prevention



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[Network]



ISSA Mining – Global Network





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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

[MoU's]



Cooperation to improve health and safety in the Turkish mining industry

Signing of MoU on 16 April 2015





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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

[Audits]



ISSA Mining - Safety Audits by international expert teams





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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

[Conferences]



Seminar

Critical Control Management and Implementation in the Mining and Metals Industry

October 13th 2015, London - GB

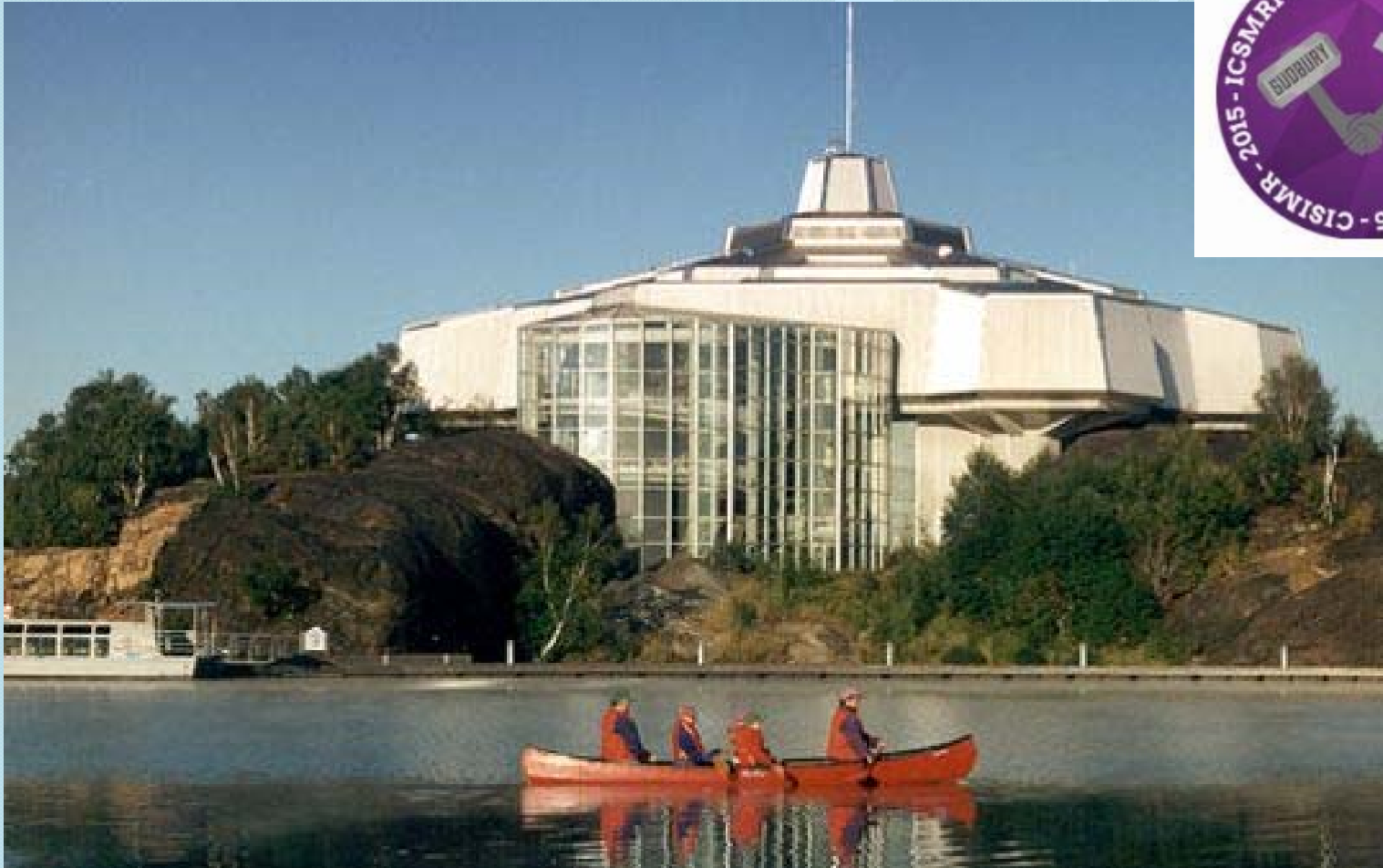
ICMM
International Council
on Mining & Metals



Conference

36th International Conference on Safety in Mines Research Institutes

October 25th 2015, Sudbury - Canada



Conference

Joint SAWS - ISSA Mining - ISSA Chemistry Symposium 2016

“ISSA day” in the upcoming CHINA OSH FORUM
September 2016, Beijing - China





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[Seminars]



2 Week - Seminar

Course for Chilean OSH professionals in mining

June 2015



1. ISSA Mining Strategy Workshop 2014

Maikammer, Germany, 28. August – 3. September 2014



50 Participants
20 Countries

Kiev – Ukraine 2014

3 Days VISION ZERO Seminar

In cooperation with ILO Budapest

New:
Seminars on Vision Zero
7 Golden Rules



VISION ZERO.

Seven Golden Rules
for Safe and Economical Mining



 **issa** INTERNATIONAL SOCIAL SECURITY ASSOCIATION
International Section on Prevention in the Mining Industry



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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

[Newsletter]



Newsletter

ISSA | INTERNATIONAL SOCIAL SECURITY ASSOCIATION
Section on Prevention in the Mining Industry

NEWSLETTER | # 7 | AUGUST 2014

New Vice-President elected PAGE 2

Mutual new focal point for South America PAGE 5

Turkey: Memorandum with Ministry of Labour PAGE 28

New Standing Orders in force PAGE 2

South America cooperation gains momentum PAGE 2

ISSA Mining joining VII. International Conference on OSH in Istanbul PAGE 8

Best practice for safe mining PAGE 14

Mining Engineer Chetan Garg

South America cooperation gains momentum



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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

[Internet]



Internet

The screenshot displays the website for the International Social Security Association (ISSA). At the top, there is a navigation bar with language options (English, Français, Español, Deutsch, Русский, العربية) and links for 'Join us', 'Media', 'Contact', and 'Directories'. A 'Member login' button is located on the right. The main header features the ISSA logo and the text 'INTERNATIONAL SOCIAL SECURITY ASSOCIATION'. Below this is a secondary navigation bar with categories: 'THE ISSA', 'NEWS', 'EVENTS', 'COUNTRY PROFILES', 'TOPICS', 'COMMUNITIES', 'REGIONS', 'RESOURCES', and 'CENTRE FOR EXCELLENCE'. The main content area is titled 'PREVENTION SECTION' and 'International Section of the ISSA on Prevention in the Mining Industry'. It states: 'The aim of the International Section of the ISSA on Prevention in the Mining Industry is to further and to improve social security in mining worldwide.' There are three images: a crossed pickaxe and shovel icon, a portrait of a man in a hard hat, and a portrait of a woman in a hard hat. A navigation bar below the images includes 'About', 'News', 'Section Events', 'External Events', 'Resources', 'External links', 'Newsletter', and 'Membership'. The 'News' section features an article titled 'SAFETY 7.0 - 7 Golden Rules to VISION ZERO' dated 15 AUGUST 2014. A yellow banner at the bottom of the screenshot contains the URL 'www.issa.int/prevention-mining'. On the right side, there is a 'Latest news' section with two articles: '15 AUGUST 2014 | XX WORLD CONGRESS ON SAFETY AND HEALTH AT WORK' and '15 AUGUST 2014 | ISSA MINING - EDITORIAL SAFETY 7.0 - 7 Golden Rules to VISION ZERO'. Below that is another article: '7 AUGUST 2014 | GUIDELINES Return to work: Ensuring the... of work...'. At the bottom right, there is a section for 'Upcoming events' with the text 'INTERNATIONAL MASTER'S DEGREE'.

www.issa.int/prevention-mining



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Cooperation!



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7 Golden Rules

Global ISSA Prevention Strategy
for Rescue and Beyond



**WORK BECOMES
GLOBAL**

**WORK MEANS
ENERGY FOR LIFE**

**WORK CREATES
INFRASTRUCTURE**



WORK SUPPORTS
DEVELOPMENT

**GOOD WORK IS
GOOD LIFE**

MINING IS

SUBSTANTIAL

**MINING IS
HIGHTECH**

IMPRESSIVE

MINING IS

MINING IS

TEAMWORK

**BUT MINING
HAS
OTHER FACES**

HARD WORK

MINING IS

MINING IS LIFE OR DEATH

MINING HURTS

MINING SICKENS

MINING KILLS

**... AND MINING
CREATES
DISASTERS**

PIPER ALPHA

NORTH SEA 1988

SAN JOSE

CHILE 2010



UNTERBREIZBACH

GERMANY 2013

SOMA

TURKEY 2014

**LET'S TALK
ABOUT
SAFETY & HEALTH**

2 Million

work-related fatal diseases

340 Million

work accidents worldwide

360.000

fatal accidents at work

4.0%

economic loss worldwide - annualy

Mining:

The fatality rate of miners is

8 _x

higher

Mining:

20.000

Fatalities every year



We must be able to

PREVENT

We must be able to

REACT



We need a strategy!



We need a strategy!



VISION ZERO.

The VISION ZERO. Strategy



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 !**



DEFINITION:

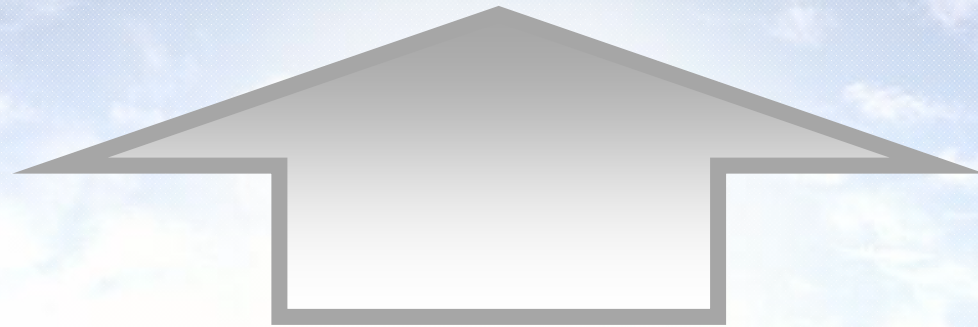
VISION ZERO.

... is a prevention strategy for a safe future without fatal or serious occupational diseases, work accidents and traffic accidents.“



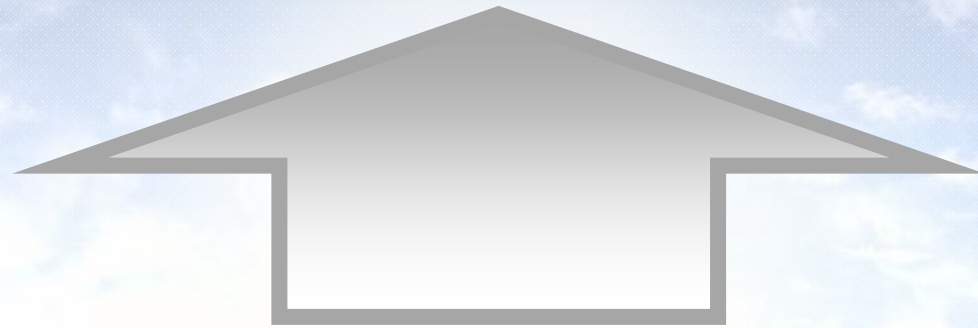


MISSION POSSIBLE?



VISION ZERO.

7 Golden Rules



VISION ZERO.

1

A photograph of two men in safety gear at a construction site. The man on the left wears a white hard hat, safety glasses, a blue shirt, and a yellow high-visibility vest. The man on the right wears a yellow hard hat, safety glasses, and an orange jacket. They are standing in front of a large piece of yellow machinery, possibly an excavator, with a pile of grey gravel in the background. The text 'Take Leadership & Commitment' is overlaid in large white font across the bottom half of the image.

**Take
Leadership &
Commitment**

2

Identify Hazards and Risks





**Set
Targets
for
Safety &
Health**

Ensure a Safe & Healthy System



4

5

Use
Safe & Healthy
Technology



6

Improve Qualification



7

Invest in
People



1

Take Leadership & Commitment

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 behaviour**



7 Invest in People



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

Culture of Prevention

VISION ZERO.

7 Golden Rules

1

Leadership

2

Hazards

3

Targets

4

Safe System

5

Technology

6

Competence

7

People

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Implementation



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VISION ZERO & 7 Golden Rules are BG RCI's prevention strategy in Germany

Construction Materials
and Aggregates Industry



Mining



Chemical Industry



**BG RCI:
35,000 Enterprises
1,3 Mio insured People**



VISION ZERO & 7 Golden Rules are ISSA's prevention strategy for all sections



VISION ZERO.

Business-Checks



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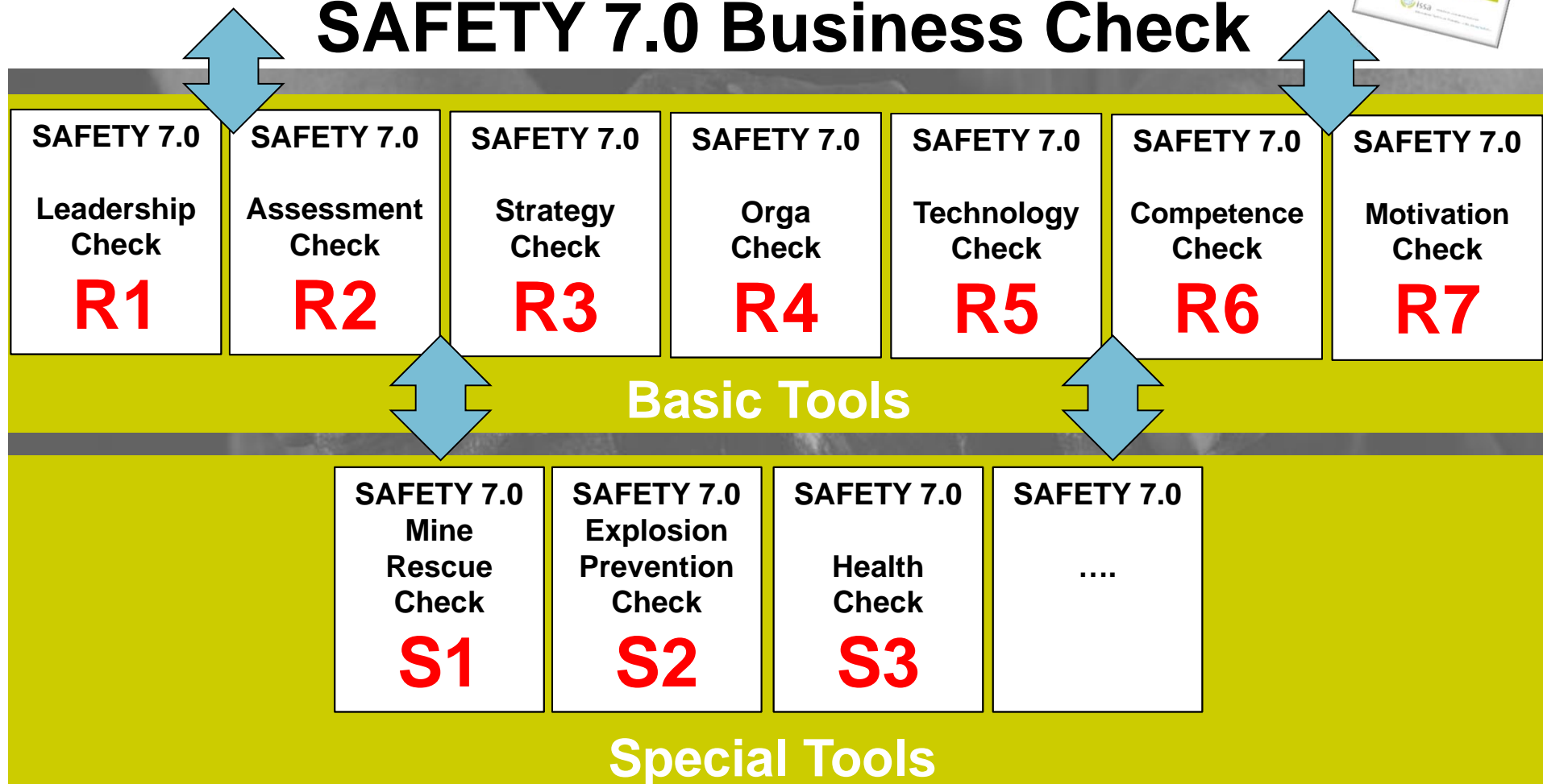
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ISSA Mining Work Program 2015 – 2017

ACTIVITY: ISSA Mining Management Tools



SAFETY 7.0 Business Check



VISION ZERO - Business-Check



Experience from 1000 Authors !
(700 Leaders / Experts & 300 Labour Inspectors)

Organisation and Implementation of Risk Assessment

Wie sieht es in Ihrem Betrieb aus?		Gesamtbewertung:
5.1 Ist die Durchführung der Gefährdungsbeurteilung organisiert? (Zuständigkeit, Beteiligung, wie, wann, Aktualisierung/Überprüfung)	■ ■ ■	■ ■ ■
5.2 Wurde eine Gefährdungsbeurteilung durchgeführt, in der für alle Arbeitsbereiche und Tätigkeiten die Gefährdungen vollständig ermittelt und beurteilt sind?	■ ■ ■	
5.3 Sind in dieser Gefährdungsbeurteilung konkrete Maßnahmen festgelegt und werden diese umgesetzt?	■ ■ ■	
5.4 Wird die Wirksamkeit der Maßnahmen überprüft?	■ ■ ■	
5.5 Wird die Gefährdungsbeurteilung dokumentiert?	■ ■ ■	

CHECKPOINTS



1	Is safety and health amongst your personal top priority as CEO / employer and how do you show this?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	Did you set a written company policy showing the significance of OSH amongst your company values?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Do you communicate the value of safety?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	Is the top management committing to the level of safety and health amongst the company's values?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	Do all managers at every level know about the priority of safety and health?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	Do all the managers know exactly upon their personal obligations and responsibilities?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	Do you have financial incentives for good or bad safety performance for employees and managers?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Business-APP



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VISION ZERO.

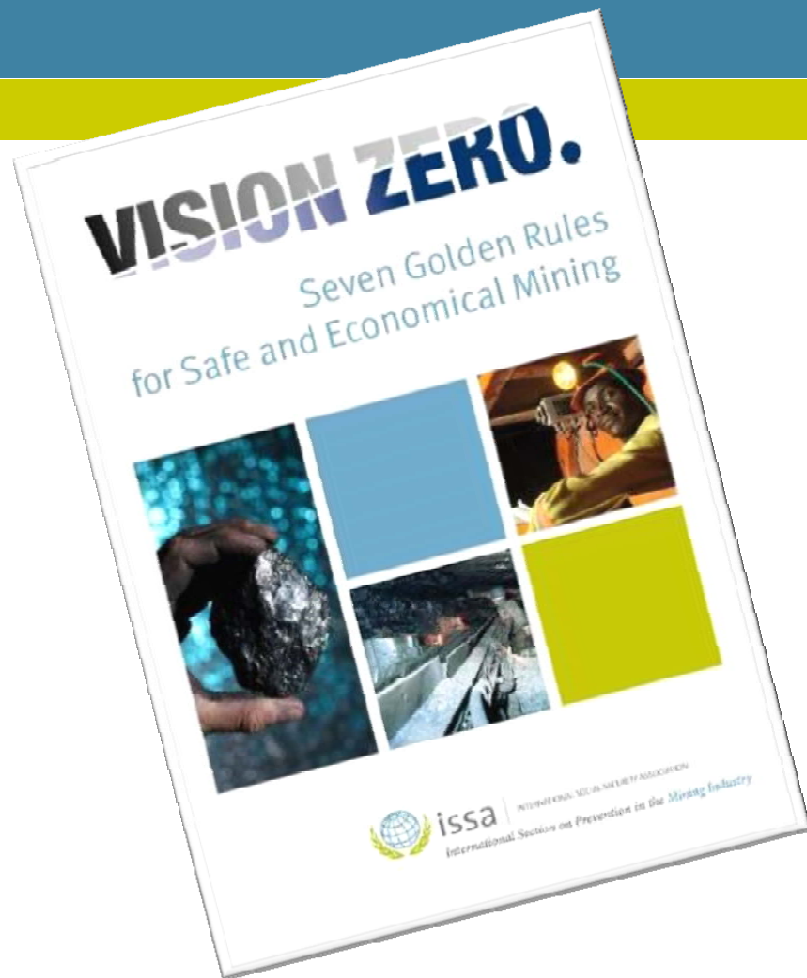
Seminar



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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

ISSA Prevention Seminar on VISION ZERO & 7 GOLDEN RULES



- I. PRINCIPLES
- II. ARGUMENTS
- III. IMPLEMENTATION
- IV. GOOD PRACTICE
- V. CHECKPOINTS

VISION ZERO.

Creates Perspectives



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G7 Initiative: Supporting Decent Work



International Conference in Berlin for G7 Stakeholders

- German Labour Ministry
- German Ministry Int. Cooperation
- OECD
- ILO
- Worldbank

Topics



- Sustainable supply chains
- Supporting labour inspectors
- VISION ZERO PREVENTION FUND
- Training
- Accident Insurance Systems
- Focus: SME's

VISION ZERO. Agenda

ISSA Mining - Award Singapore 2017





		
1 Leadership	✓	✓
2 Risks & Hazards	✓	✓
3 Targets	✓	✓
4 System Safety	✓	✓
5 Technology	✓	✓
6 Competence	✓	✓
7 People	✓	✓

Join

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