

ISSA MINING

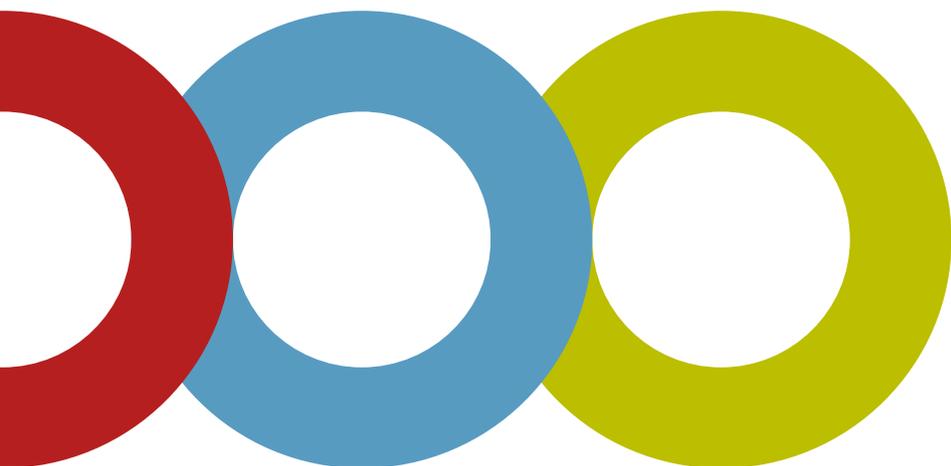
YOUR GLOBAL NETWORK FOR PREVENTION

Safety, Health and Wellbeing in Mining



VISION ZERO 
Safety.Health.Wellbeing.

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



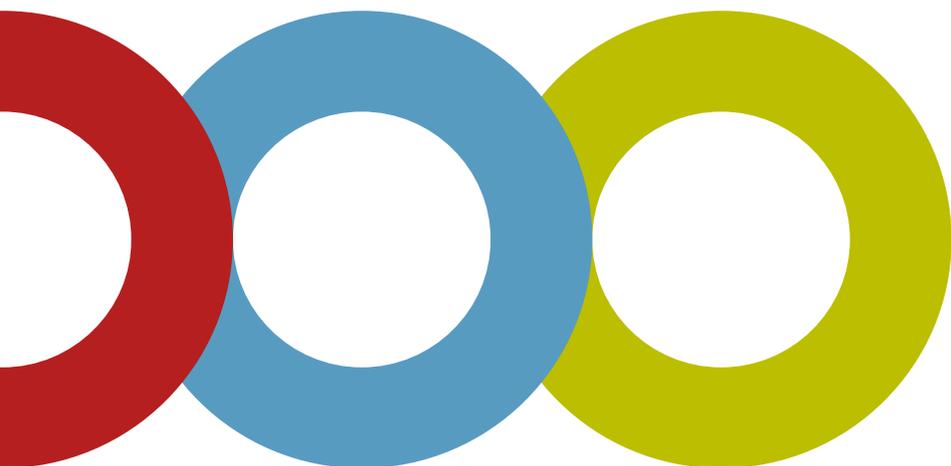


ISSA MINING

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Safety, Health and Wellbeing In Mining

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WHO WE ARE

ISSA Mining is part of the International Social Security Association (ISSA), headquartered in Geneva, Switzerland and being the principal international institution bringing together more than 320 leading social security agencies and organizations from 150 countries. ISSA's Special Commission on Prevention is comprised of 13 international prevention sections focusing on the individual sectors of industry.

ISSA Mining acts globally on a non-profit basis and cares for safety, health and wellbeing in mining, connecting stakeholders who are sharing passion, responsibility and professional interest in occupational safety and health for mining.

Because Life Matters

ISSA Mining aims to achieve acceptable working, OSH and social conditions in mining enterprises of all sizes – small businesses included! ISSA Mining is clearly committed to the prevention strategy VISION ZERO, the vision of a world without occupational accidents and work-related diseases.

Founded in 1969, ISSA Mining was among the first ISSA Prevention Sections committed to safety and health in mining. ISSA Mining brings together stakeholders from all parts of the world who are committed to safety and health in all kinds of mining. Using our global network as a sound basis, we publish tried and tested guidelines reflecting how some of the best mining operators are achieving their success and we initiate the transfer of good, successful practice in international conferences and workshops.

ISSA Mining unites meanwhile more than 100 members from all across the world. We are guided by our board with leading executives from Europe, North and South America, Africa and Asia.

Partners in our Global Network

- Mining businesses
- Trade associations
- Trade unions
- Mining networks and associations
- Governments, ministries and agencies
- Regulators and prevention service providers
- Researchers, academics and teachers
- Mining universities
- Mining suppliers of technology and PPE
- Mining service contractors
- Individual experts



VISION ZERO

Safety.Health.Wellbeing.

OUR STRATEGY: VISION ZERO. SAFE AND HEALTHY MINING WORLDWIDE!

340 million accidents at work every year worldwide including 360,000 fatalities are a wakeup call. In evaluating the situation, it becomes clear that these figures are not mainly caused by a lack of regulations. What is called for are systematic guidelines, easy to understand and to apply tools basing on experience and findings in the industry. What is needed is a prevention strategy that takes into consideration that every accident and every case of occupational disease can be prevented – a fact that has been considered unrealistic for a long time, but proven to be possible by companies also in mining across the world.

With this in mind, ISSA Mining launched its prevention strategy “VISION ZERO. Safe and healthy mining worldwide!” in 2012 and concentrated all its future prevention services and measures on it.

“VISION ZERO. Safe and healthy mining worldwide!” conveys a clear message. It is based on the belief that preventive measures can achieve a working environment in mining and the mineral extraction industry, where occupational accidents and work-related diseases are events of the past and no-one is killed or suffers lifelong consequences from injury at work.

This makes the mining section a pioneer among the 13 prevention sections of the ISSA. 2017 VISION ZERO became the joint prevention strategy for all prevention sections.

VISION ZERO – for Life and Economic Success

VISION ZERO is the vision of a world without occupational accidents and work-related diseases. Its highest priority is to prevent fatal and serious work accidents and occupational diseases. VISION ZERO is the goal of a comprehensive culture of prevention.

VISION ZERO is about nothing less than our life and health – the most valuable asset for every human being. But not only that: it is also about the success of enterprises, efficient production, and motivated, productive employees. Although it is sometimes also called a vision or a philosophy, VISION ZERO is in fact a strategy for more efficient prevention that is based on results and characterised by values.

For further information on the VISION ZERO prevention strategy visit:
www.visionzero.global



THE SEVEN GOLDEN RULES – OUR KEY TO SUCCESS

How can VISION ZERO be successfully implemented at the workplace? What can entrepreneurs, managers, staff representatives, foremen or department supervisors do? Resulting from decades of experience in prevention and insights into many successful mining business around the world, ISSA Mining extracted seven well-proven key factors for sustainable prevention in mining:

The Seven Golden Rules for VISION ZERO

- 1 Take leadership – demonstrate commitment
- 2 Identify hazards – control risks
- 3 Define targets – develop programmes
- 4 Ensure a safe and healthy system – be well-organized
- 5 Ensure safety and health in machines, equipment and workplaces
- 6 Improve qualifications – develop competence
- 7 Invest in people – motivate by participation

These “Seven Golden Rules” are the core of the VISION ZERO Guide, providing advice and inspiration about what managers, owners and stakeholders can do in their own field of responsibility.

What becomes clear at first glance: you do not always need to spend a lot of money to improve health and safety at work. Often, all it takes is careful conduct and consistent management, or simply making use of the services offered by state services, liability insurance associations and other providers of prevention services.

The VISION ZERO Guide systematically assist businesses in ensuring that each worker returns home safely and with no harm to her or his health. It is offered by ISSA Mining in a printed and in an electronic version (www.visionzero.global).

OUR BELIEF: PREVENTION - HUMANITARIAN DUTY AND ECONOMIC NECESSITY

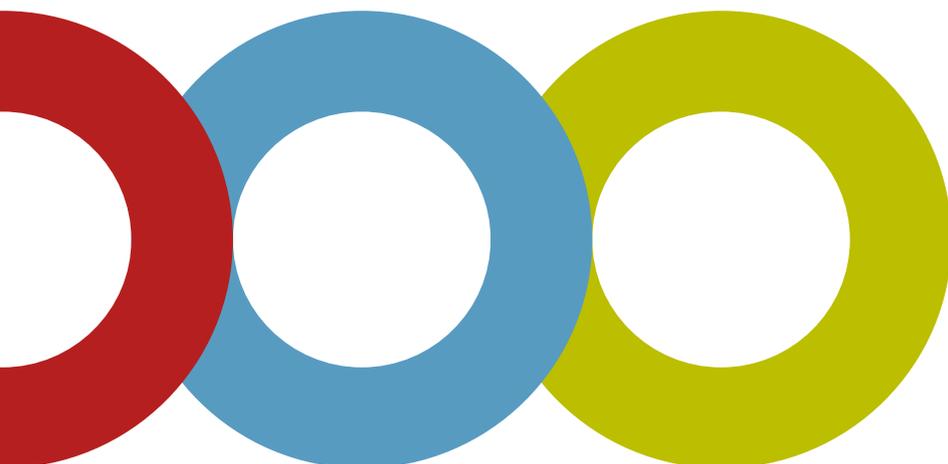
Mining is a diverse field in respect to safety and health. Traditionally considered a high-risk industry, the situation regarding occupational accidents and illnesses is particularly unsatisfactory indeed. Many mining companies show a fatality rate multiple times higher than other producing industries, and the rate of occupational diseases can be very high as well. On the other hand, there is many mining companies throughout the world with a top level in health and safety, very close to or even meeting the goal of zero harm. The potential for transfer of good practice and exchange is vast particularly in mining.

Unsafe mining and damages to health do not only lead to inconceivable human suffering, but are also harmful to businesses and the general economy. In fact, we estimate that around 4% of the worldwide economic output is lost due to unsafe working conditions, accidents and illnesses, and some countries loose up to 10% of their national economic opportunities.

Prevention Pays

Luckily, acceptance is growing that it is not only morally right to invest in safety, but also from an economic point of view. Other than human pain and suffering, the consequences of accidents include pit and plant closures, breaks in production, quality problems, huge consequential costs of accidents, property damage, acceptance problems, lack of qualified staff and harm to the image of a company or the whole industry.

Global studies by the ISSA have shown that on average internationally, investment in prevention has a positive effect of 2.2: Every Dollar invested can potentially generate 2.20 Dollars in return. This ratio is sometimes referred to as the "Return on Prevention", in short RoP.



WHAT WE OFFER

ISSA Mining's aim is to offer the global platform for all stakeholders in mining safety and health and to transfer models of good practice. To achieve this, we are conducting conferences and workshops, publish and distribute information and stay in touch with mining stakeholders. You will find us at mining events including summits such as the World Mining Congress, trade shows and prevention events like the tri-annual World Congress on Safety and Health at Work.

We also offer partnerships with institutions aiming to improve health and safety in mining. This includes partners such as the International Mine Rescue Body and the National Safety Council of India.

We pursue media partnerships with mining magazines and multipliers such as the European Agency for Safety and Health at Work.

We consult governments and mining authorities in designing regulations and how to put them into the industry practice.

Our senior experts perform audits of safety and health organization in international teams and offer consulting on prevention and social insurance.

What ISSA Mining Offers

- A profound network
- Contact to industry and stakeholders in mining
- Free advice for members in safety and health
- Entrance door to major conferences such as the World Congress on Safety and Health at Work and the World Mining Congress
- VISION ZERO Conferences
- Strategy Workshops for Members
- VISION ZERO Experience Sharing Forums
- Special arrangements for members (conference discounts and other benefits)
- VISION ZERO Seminars for leaders
- Train the Trainer Seminars
- Publications online and in print
- The regular ISSA Mining Newsletter

Find out more of what we do at www.issa.int/prevention-mining and in the ISSA Mining Newsletter.



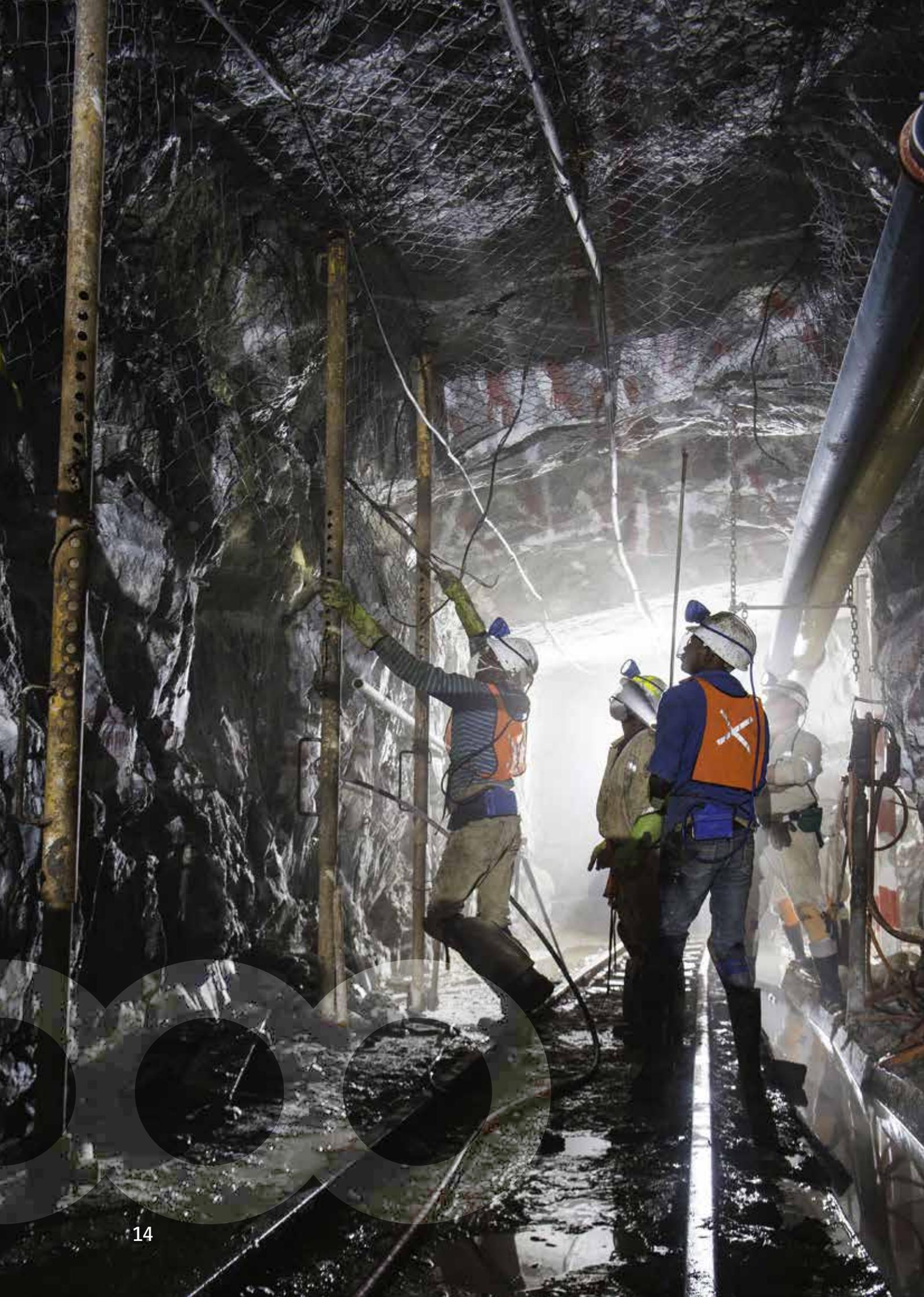
YOUR BENEFITS AS AN ISSA MINING MEMBER

ISSA Mining is a unique platform to learn, share and connect and to demonstrate commitment to health and safety in mining. Membership in ISSA Mining entails tangible and soft benefits.

Become a Member and Benefit

- ∞∞ Demonstrate commitment in safety and health in mining
- ∞∞ Benefit from the independent international network
- ∞∞ Get free advice on safety and health
- ∞∞ Get in touch with international key players, stakeholders, suppliers and experts
- ∞∞ Be involved in international events, congresses and workshops
- ∞∞ Benefit from reduced congress fees
- ∞∞ Profit from special offers for ISSA Mining members
- ∞∞ Prove Corporate Social Responsibility (CSR)
- ∞∞ Play an active role in creating recommendations and tools
- ∞∞ Get the latest information
- ∞∞ Benefit from good practice of the members
- ∞∞ Be part of the VISION ZERO community





WHO SHOULD BE A MEMBER

ISSA Mining provides benefits and services for all mining operations and connected industrial sectors

- Hard coal and lignite coal mining
- Salt and potash mining
- Ore mining
- Services for mining (shaft sinking and tunnelling)
- Underground waste deposit
- Oil and gas mining
- Cement industry
- Lime and gypsum industry
- Aggregates and raw material mining
- Quarries and natural stone mining
- Natural stone processing
- Mineral recycling industry
- All operations and services related to mining

Next to companies, we also gladly welcome as our members networks and associations, academics and students, ministries, agencies, suppliers and service providers as well as individual experts. In short: Everyone who is pursuing improved safety, health and wellbeing as we do.



issa | mining

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The German Social Accident Insurance Institution for the raw materials and chemical industry (BG RCI) is entrusted with the organization of this ISSA Section. It is among many other sectors also the statutory accident insurance for all mining operations and for all extractive and quarrying works in Germany and offers prevention for underground and surface mining as well as for the processing of the raw material.

Get in touch with us:

issa.mining@bgrci.de
Phone ++49 6221 5108-54110
www.issa.int/prevention-mining
www.visionzero.global

JOIN ISSA MINING!

ISSA Mining offers two membership categories:

1 Ordinary Full Membership Category:

Annual subscription fee 500 CHF

- For all organizations, like enterprises, suppliers, universities, research institutions, associations and all other stakeholders of the mining industry whose objectives are consistent with those of ISSA Mining and
- For affiliate and associate members of the International Social Security Association (ISSA) and institutions forming part of a federation of institutions, government departments, agencies or other entities being an affiliate or associate member of the ISSA. Direct members of the ISSA will not pay additional contributions to ISSA Mining.

2 Corresponding Personal Membership Category:

Annual subscription fee 100 CHF

- For individuals and experts in occupational safety and health in the mining industry.

Each category entails the same opportunities for participation in ISSA Mining's activities!

Your gateway to membership is the online form at https://www.issa.int/en_GB/web/prevention-mining/membership or use the membership form on page 19.





MEMBERSHIP APPLICATION FORM

Return to

ISSA Mining

c/o Berufsgenossenschaft Rohstoffe und chemische Industrie (BG RCI)

Hunscheidtstraße 18, D-44789 Bochum, Germany

or join us at

www.issa.int/prevention-mining

ISSA MINING SECTION MEMBERSHIP

Ms. Mr. Title / First Name / Surname

.....
.....

Address Institution

.....
.....

Address Private

.....
.....

Telephone

.....

E-Mail

.....

MEMBERSHIP CATEGORY:

Ordinary Member Annual subscription: 500 CHF

Corresponding Member Annual subscription: 100 CHF

.....

Place / Date / Signature

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www.issa.int/prevention-mining
www.visionzero.global

The ISSA Mining Media Series

ISSA Mining's media is published in three categories:

- ISSA Mining Network – explaining what we do and how we do it
- VISION ZERO Strategy – Basic knowledge on the VISION ZERO prevention strategy
- VISION ZERO Practice – Tools to put the 7 Golden Rules into practice in mining companies

This publication is part of the series ISSA Mining Network.

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