SAFEX CONGRESS XX

SALZBURG

Congress Bulletin – Programme Outline

CONGRESS OUTLAY

You have no doubt diarized the week of **24-28 April 2023** as the week during which SAFEX will be holding its XX Congress in Salzburg Austria at the **Salzburg Congress Centre.** You may even have responded to our Call for Congress Papers which we issued in the previous Congress Bulletin. It seems you are ready to decide about your participation in the Congress and are just waiting to find out what to expect at the Congress. In that case this Congress Bulletin is intended for you.

DATE	ACTIVITY	CONCURRENT ACTIVITY
Sunday, 23 April	Registration - Training	
Monday, 24 April	Registration - Training Training Session	
Tuesday, 25 April	Training Session Registration – Workgroups Board Strategy Session	
Wednesday,26 April	Registration - Workgroups Workgroup Sessions Registration – Congress Welcome Reception	
Thursday,27 April	Registration - Congress Plenary Sessions – Open Day	Spouses' Programme
Friday, 28 April	Plenary Sessions – Closed Day General Assembly of Members Gala Dinner	Spouses' Programme
Saturday, 29 April	Congress Excursion	

- **Training Session** on the Monday and Tuesday 24 and 25 April
- **Workgroup Sessions** on Wednesday,26 April

Registration for the Congress itself takes place on the afternoon of Wednesday, 26 April. This is followed by the actual Congress activities which consist of:

- **Plenary Sessions** First Day (Thursday, 27 April) and Second Day (Friday, 28 April)
- **Special Sessions** Ordinary General Meeting (all Members) Friday 28 April
- **Social Programme** comprising the Spouses Programme (Thursday and Friday, 27 and 28 April); the Gala Dinner for Delegates and their Spouses/Partners (Friday night,28 April); and the Congress Excursion (Saturday, 29 April.)

Thanks to the co-operation of the authors who responded to our Call for Papers and the hard work of our Session Conveners and Editorial Committee, we are now able to fill in what these activities entail.

SAFEX Training Event 2023 24/25 April

Explosives Basis of Safety (BOS) Application training

The training event for 2023 will be focused on Explosives BOS and their application in and around explosives operations. The training is scheduled for 2 days.

The BOS and GEP programs were initially developed in ICI Explosives to address observed weaknesses at all levels in the organization in ensuring that basic explosives safety practices were understood and being implemented.

BOS is a set of controls that help ensure an explosives operation is designed and conducted to avoid injury or damage by fire/explosion and will deal with (1) ignition sources and their control and (2) consequences of ignition and their mitigation.

The introduction to BOS will be followed by the presentation of practical examples from current operations where BOS principles are being implemented (e.g. loading of primary explosives, manufacturing of secondary explosives). More examples will include engineering, PTW, operating procedures, training, and incident investigation.

A BOS scorecard system to support auditing and assessments of an explosive manufacturing operation will be demonstrated.

Attendees will be asked to commit preparing and presenting on applied BOS in their particular plant including failures and problem. This will be a more interactive approach and draft presentation will have to be submitted before the training for review. The training is relevant to all company personnel including Operations Managers, Plant Managers and Supervisors, Maintenance Personnel, Engineering and Safety Specialists.

It is hoped that participants would act as local champions for BOS on completion of the training and would lead the implementation of BOS programs in their respective companies.

The training will be facilitated by 4 senior experts from the industry:

Andy Begg	SAFEX/EXSAR Consulting
Paulo Siqueira	Consultant
Martin Held	Austin Powder
Nadia Engler	Austin Powder Argentina

with support from experienced guest presenters on selected topics.

The training will be concluded with a review of eLearning experience from the SAFEX eLearning modules, particularly the BOS module.

Each attendee of the training event is expected to have taken the SAFEX BOS eLearning module to prepare for this event.

Workgroup Sessions 26 April

Four Workgroups which cover the following issues (names of the Workgroup leaders are given in brackets):

Morning Sessions (9-12)

- PETN Workgroup – Ralf Weber
- Explosives Transport Workgroup – Noël Hsu
- Remediation Workgroup – Mervyn Traut/ Ian Swallow

Afternoon Sessions (13-16)

- Electrostatic Controls- Dan Reinke
- Primaries Workgroup – Ralf Weber

Wednesday, 26 April, is set aside for the Workgroups to meet. If you are a core member of these Workgroups or just interested in participating in one of their meetings, you need to bethere on the Wednesday.

Plenary Programme 2023

Plenary Sessions: Day One

07:30 eLearning introduction/progress: Dr Martin Held

08:15 Opening of Congress: John Rathbun

08:30 Work Groups Feedback

- Remediation: Mervyn Traut/Ian Swallow—10min
- PETN: Ralf Weber– 10 min
- Primaries: Ralf Weber– 10 min
- ESD: Dan Reinke-10 min
- Explosives Transport: Noel Hsu– 10 min

Behavioral Safety

Session Chairman: Dr Noël Hsu

09:30 The Safety Journey Following an Acquisition -Evan Quinn

Does behavior lead the culture or does the culture lead the behavior? This is a question that can be asked in any business but one that is especially prominent during a business acquisition. This proposed paper will highlight the safety culture that existed in a Canadian independent explosives manufacturer “Nordex Explosives” and discusses the changes that occurred as it transitioned over the first two years of becoming part of the EPC Groupe as EPC Canada. shed light on the mechanical sensitivity to improve safety during manufacture.

09:55 Behavior of Employees before Incidents -Antonin Kovarik

Technical and organizational measures, training, audits, etc. are the usual ways to ensure safety at workplaces. However, the safe behavior of the employees involved is clearly the

most important and necessary basis for the processing of explosives. “SAFETY FIRST” is a basic cornerstone of Austin Powder Safety Policy.

10:20 Getting the most out of Process Safety Incident reporting- Fiona Beach

Over the past few years Orica has focused on gaining as much insight as possible out of our process safety event reporting. We have implemented an event classification system, defining events as events as weak signals, safe operating window excursions or near miss fatalities. The data, once collated, is analysed using PowerBI, which provides an easy way to slice and dice the data such that we can deep dive by site, by process, by product group etc, allowing us to target our efforts on the most frequently occurring events to prevent future serious process safety events from occurring. By tracking the data over time, we can see where the proposed improvements have been successful and where they have not, allowing further fine tuning of our approach to prevent process safety events in our plants.

10:45 NextGen Safety Leaders: An evidence-based safety leadership program for the explosives industry -Adam Wiles

Safety is typically positioned as an ‘all or nothing’ event. Safety first. Safety as a number one priority. Yet, internationally, safety performance statistics have stalled in many industries. With the rapid evolution of modern workplaces – pandemics, technological innovation, market disruption – our approach to safety must also evolve and increase in complexity. This paper describes the development of an evidence-based and contemporary thinking safety leadership program. The program is based on the premise that health and safety must be reimagined, and the inherent tensions and contradictions in modern work embraced to achieve continued improvements in performance. We describe the development of a three-module frontline leadership safety program that incorporates concepts like resilience, psychological safety, trust, and modern ideas about team safety behaviour (deep compliance, safely adapting, safety voice).

11:10 Coffee Break

Risk Management

Session Chairman: Thierry Rousse

11:30 The Detonators Production Automation and Risk Assessments- Roman Vala

Low efficiency, incidents and injuries, have prompted Austin Detonator to implement automation into key areas of detonator production. This has resulted in higher efficiency, much safer production and accessible data as a benefit from doing that.

11:55 Operations Risk Management-The Introduction of a Refreshed Approach to Risk Management in Explosives Manufacturing- Kelly Dumesnil

This paper describes Incitec Pivot Limited’s journey in piloting a refreshed approach to risk management to its explosives manufacturing sites across North America and Australia. It documents the challenges, successes, learnings, and insights to date.

12:20 Risk Evaluation and Risk Treatment for Explosives Manufacturing- Greg Walker

Two foundational principles of explosives risk management are the minimization of explosive quantities and the minimization of human exposure to overpressure, fragments and thermal effects. Whether by means of detailed consequence modelling or using standard quantity-distance tables, it is straightforward to utilize these principles for the siting of explosives storage and manufacturing facilities and for determining the location of buildings occupied by personnel.

Regulatory Environment

Session Chairman: Neil Franklin

12:45 Developments in the UN Model Regulations for Transport of Dangerous Goods as they apply to SAFEX- Ken Price

An overview of the current work the United Nations Committee of Experts on Transport of Dangerous Goods and Globally Harmonized System of Classification and Labelling of Chemicals with emphasis on the issues that will affect SAFEX members.

An explanation of the workings of the UN system for producing the United Nations Model Regulations and other publications and summary of the latest changes of significance to SAFEX members.

13:10 Lunch Break

Regulatory Environment Continued

13:45 Changes in Test Series 8 for AN or Suspension or Gel (ANE)- Dr Noel Hsu

ANEs by volume are the largest type of explosive intermediates used today. The UN Manual of Tests and Criteria (MTC) has Test Series 8 (TS8), which these substances must be subjected to in order to be classified as an oxidizer, Division 5.1. One of the tests in TS8, the Koenen Test 8(c), was developed in the 1950s when ANEs were not in existence. Research carried out on ANEs in this test show that the test is unsuitable for certain types of ANEs. This paper outlines the development of the Koenen test, the reasons why this test with its criteria is unsuitable for some ANEs, and the alternate test that is now in the MTC for certain ANEs.

14:10 How ISO 22 301 Certification can Improve the Safety Performance of a Company- Laurent Casagrande

The ISO 22 301 standard is used by companies who wish to organize the continuity of their business after a disaster or a major disruptive event. Its main objective is primarily economic. EPC has been involved in this process since 2015. She now realizes that this normative structure has also allowed her to see safety from a different angle.

14:35 The viewpoint of a past Queensland explosives regulator - Geoff Downs

The role of the regulator is to protect the community from the adverse impacts of explosives, ensuring that explosives activities are conducted to meet the duty of care at the appropriate level of safety and security. These activities apply to the entire life cycle of explosives and for all types of explosives. Explosives activities must be licensed, explosives incidents investigated, licenced activities audited and inspected while gaining an assurance of safety and security to appropriate standards. In the administration as a regulator, things don't always go as planned. The stakeholders have rights and should be able to exercise their rights with the regulator. The lessons learned and the shared understanding of regulatory activities will make us more vigilant in ensuring that our needs and expectations for the way ahead

15:00 Coffee Break

Best Practices

Session Chairman: Dan Reinke

15:30 Selecting and Implementing GPS and In-Vehicle Monitoring systems- King Wei

This article is about selecting and implementing Global Positioning System (GPS) and In-Vehicle Monitoring System (IVMS) for vehicles carrying dangerous goods such as explosive and oxidizers. The author wishes to share the obstacles faced and the learnings based on his own experience and the experience of others in implementing the GPS and IVMS. The GPS and IVMS is considered an administrative control by monitoring driver behaviours and helping them to improve via coaching, training, and consequence management. The obstacles and suggestions to overcome them are shared. The organisation of the author has achieved some improvement in transportation safety after the implementation of the GPS and IVMS. These systems are not "the magic bullets" to eliminate transportation safety incidents in the explosive industry, butthey are helping organisations to reduce the risks of transportation safety by reducing the probability of drivers' unsafe behaviours. There are many other important transportation safety programs that an organisation must deploy to improve transportation safety further, and all must be driven by leaders to ensure improvement in transportation safety.

15:55 AEISG Code of Practice - Storage and Handling of Solid Ammonium Nitrate – Richard Bilman

The Australasian Explosives Industry Safety Group Inc. (AEISG) is an industry association with a mandate to promote and enhance safety and security in the commercial explosives sector in Australasia.

AEISG adopts various strategies in this regard, including the identification, development, drafting and publication of relevant Codes of Practice for the benefit of its members, their employees, their customers and the community. Generally, the need for such codes arises for explosives areas or activities which are not covered, or are inadequately covered, by existing legislations, codes or standards.

Such was the case in Australia, where the storage of ammonium nitrate (AN) is regulated at State / Territory jurisdictional level by eight (8) distinct explosives regulators. It should be noted that there is no Australian Federal Government regulatory oversight of explosives and their precursors, and hence no nationally harmonised / consistent approach to AN storage and handling.

16:20 Safe Recovery, Neutralisation and Destruction of Bulk Explosives- Prof Valentine Nzengung

The destruction of excess, obsolete, or unserviceable munitions and commercial energetic materials by chemical neutralization and destruction methods offers an environmentally friendlier alternative solution to disposal by open burning and open detonation (OB/OD). MuniRem® reagents offer a scalable and versatile solution to safely

neutralize and destroy explosives and chemical warfare agents, while stabilizing heavy metals as the insoluble metal sulfides. The MuniRem reagents are shipped worldwide in powder form. At the time of use, the MuniRem reagent is dissolved in fresh or salt water and applied to the explosives to initiate a rapid chemical neutralization and reduction reaction.

Plenary Session: Day 2

Manufacturing and Laboratory Incidents

Session Chairman: Dr Martin Held

08:00 Dust Explosion and Subsequent Fire involving Plastic Microsphere Dust Cloud- Terry Newton

This paper is a review of a dust explosion and subsequent small fire(s) that involved the use of compressed air and plastic microspheres that are used to sensitize emulsions. Other than the event itself being detailed here, also explained are the conditions and actions leading up to the incident, the learnings from the event, and the action items taken to prevent such an event in the future.

08:25 Lessons Learned from a Black Powder Incident- Ignacio Madera

MAXAM suffered an accident in the Black Powder Manufacturing site located in Kunigunde (Germany) in October 2018.
Several Lessons Learned came out of the incident, but the one we would like to share with the rest of SAFEX.
Members is the management of "human" safeguards.
The paper discusses what is considered a "human" safeguard and the methodology applied in MAXAM to value the protection offered by those safeguards and to measure it effectiveness.

08:50 Explosion in Lead Azide Manufacturing Area-Enrique Barraincua

In 2016, an explosion with very serious consequences took place in a lead azide manufacturing facility. The circumstances and chain of events leading to the accident revealed important breaches in the safety culture and risk awareness of the people involved. This presentation tries to show the facts and extract the conclusions for the avoidance of a similar event.

09:25 The Risks of Instrumentation in Explosives Testing: a Case Study on an Unintended Explosion During a Time/Pressure Test-Samuel Maach

This paper describes an unintended explosion of a test sample during a time/pressure test. The explosion was triggered by the release of an electrical charge from a pressure transducer that was part of the apparatus. The transducer contained a capacitor that retained a charge from a previous test. During the subsequent test, the charge flowed through an electric igniter as the instrument was being connected to firing lines, causing the sample to accidentally ignite. The case study of this incident highlights how unexpected hazards can be unintentionally introduced into systems and the possible consequences of such incidents. The safety measures implemented following the incident are presented. The lesson learned from this incident can be expanded to other types of instrumentation used in the testing of manufacturing processes.

09:50 Emanation of Nitrous Gases in Nitration Process- Maria Ramirez

The Nitroglycerin Nitrator feeds the reactor with mixed nitric and sulfuric acid. The tank TK 04 that is fed with such mix has several level sensors linked to the processing pumps, which in turn, open or stop the feeding of acid mix to the tank, as appropriate. In October 2017, the Nitrator's cooling system failed, thus evidencing a lack of logic control sequence in the pump that feeds tank TK 04 since it did not stop accordingly. Said failure enabled then that the mixed acid overflowed through the dam, emanating nitrous gases for about 9 minutes.

10:15 Coffee Break

Session Chairman- James Bonnor

10:30 Monitoring of in-process explosive/hazardous material during shift break – learnings from incidents -Dr. Martin Held

Often in-process explosive/hazardous materials are not being monitored during shift break. This article is trying to list the common in-process monitoring and isolation methods for explosive/hazardous materials during shift break and proposes a few more methods especially in the emulsion explosive manufacturing context. In the first part, the authors also list the monitoring and isolation safety defenses available during operation for a comparison with risk controls during shift break. Some of the hazardous scenarios considered are chemical contamination causing violent reaction during shift break, the heat from a hot spot generated during routine operation but in-between process or shift break no longer being dissipated by transference to a mass explosive/hazardous material, accidental activation of pumps or failure to shut down during shift break and overheating from an electrical heating system. Some common prevention and mitigation risk controls are being discussed together with proposed new risk controls (perhaps not commonly considered).

10:55 Preventing Serious Incidents-Stephenie De Nichilo

Incitec Pivot Limited (IPL) is a company that has a foundation built on strong care-based values for Health, Safety, Environment and Community. Over time, IPL have achieved a significant reduction in injury rates and developed a common language around Zero Harm including My Why, SafeGround, Drift and Playing Your Position through its SafeTeams program. IPL's Zero Harm Ambition, committed to in 2019, stopped the drift upwards of the recordable injury rate, and the re-fresh of SafeTeams has resulted in the return to historic norms: however still above its goal. Also in 2019, the loss of containment and environmental incidents exceeded internal targets and the company acknowledged that whilst Personal Safety had a high level of focus, Health, Environment and Process Safety disciplines required a heightened attention to prevent harm to people and the environment. As a result, significant effort was made to consult widely across all levels of the organisation and as One IPL, the management team proposed a refresh of their approach to create a strong connection to IPL's Zero Harm Strategic Driver and develop a Zero Harm Strategy which truly integrated the Health, Safety, Environment and Community (HSEC) elements under one framework.

11:20 High Technology for Improving Safety-Rockhaye Mbaye

During the last 10 years, blasting industry in Senegal has known an important change. It's not just a revolution of technics but a deep evolution. Blasting has gone from an artisanal practice to a known-how focused on new technology with more concern about safety and environment.

Awareness of actors of the sector about the global environmental impact of mining and quarrying leads operators to pay more attention about safety.

Mineex, Senegalese subsidiary of EPC Group has obtained on April 2019 a triple certification ISO 9001, ISO 14001 and OHSAS 18001 in an African country where mining activity is recent and where safety reflexes barely appear in the local culture. In 2021, the OHSAS 18001 has been upgraded to ISO 45 001.

11:45 Lead Azide Dust Explosion-A focus on Management of Change- Ignacio Reyes

Even a simple change or modification to a process can have significant impacts leading to injuries, fatalities, or equipment damage. As managers we must instill the importance of managing change and persist to strive for continuous improvement. As an organization expands and adapts, so must its core safety programs. A recent incident involving management of change was examined where the safety program was not tailored to the plant and led to structural damage. The incident investigation utilized deductive logic along with other common methods to arrive at the root cause. Alongside the incident details are lessons learned and a deeper look into the structure of the management of change program with guidance to successful implementation.

12:10 Reaction in Waste Container - Leading to Major Evacuation-Jari Henriksson

This paper gives an overview of the incident in Vihtavuori Finland that started the 9th of July 2013. A 1 m3 bulk container that came from a customer site including sensitized waste matrix and pyrite started to generate steam after one year of storage. The incident led to a major evacuation due to unknown content of the containers adjacent to the one steaming. After the incident many different actions were taken. This paper describes the actions taken by the company on-site, in logistics, in training and instructions and in crisis response. This is the first public presentation of the incident now that the legal process has been finalized.

12:35: A Synopsis of the 2020 Explosion at the Port of Beirut – Josh Hoffman

On August 4, 2020, an explosion involving a large store of ammonium nitrate occurred at the Port of Beirut in Leban on. The event resulted in hundreds of deaths, thousands of injuries, and billions of dollars in damage. Many media outlets reported on the explosion both shortly after the event and in the months that followed. Several investigative reports, technical studies, and post blast analysis have also been created since the 4th of August which are either publicly accessible or published in scholarly journals. This paper draws upon these credible and publicly accessible sources to summarize facts, figures, timelines, findings, and recommendations relevant to the commercial explosives industry. Commentary and counterpoints to key conclusions are also provided from the standpoint of the commercial explosives industry. Finally, this papers briefly reports on actions, discussions, symposia, and other fora at the international level which examined and addressed the tragic event.

12 :55 Lunch Break

Process Hazards

Session Chairperson: Stephenie De Nichilo

13:45 Impact and Friction Sensitivity in PETN Manufacture-Tobias Lenz

The highly energetic nitrate ester of pentaerythritol (PETN) has been successful in various fields for decades. Easy to initiate and moderately sensitive, the compound is suitable in boosters (Pentolite), detonating cords (neat PETN in plastic tubes), detonators (combined with $Pb(N_3)_2$) or in other formulations (Semtex). Furthermore, PETN is used as a vasodilator to treat angina pectoris. The white crystalline material is melting at 141 °C and the decomposition starts at about 20 °C above that. Due to the insolubility in water, it readily precipitates during nitration and can be crystallized from many organic solvents. Industrial manufacturing of pentaerythritol tetranitrate goes back to the 1930s. The established methods are often used for good reason.

14:10 An Solution Manufacture, Product and Safety Issues for Plant Consumers – Ron Peddie

Discussion about ANS (Ammonium Nitrate Solution) at the last SAFEX congress in Helsinki showed that many people were unaware of some of the production issues in the manufacture of ANS which could affect Emulsion manufacture. This paper only covers the use of ANS (Ammonium Nitrate solution) manufactured and dispatched directly as a liquid. ANS can also be made by redissolving solid AN, however redissolving AN has a myriad of other problems which would be best discussed in a separate paper.

15:00 COFFEE BREAK

15:30 Decontamination of Smartdet Manufacturing Facility-Kaylee Baker

The RL 26 facility, at AECI Mining Explosives' Research and Development department, had been previously used for the manufacture of the SMARTDET Electronic Delay Detonators. A section of ground surrounding the facility has over many years been regularly contaminated with lead styphnate. Lead styphnate is a primary explosive that is highly susceptible to initiation, even when wet. The exact amount of lead styphnate that has been washed into the ground is unknown, but evidence suggests that both liquid and solid effluent from the production facility went directly into the soil. This contamination may not only have created a significant explosion hazard but may seriously affect the future use and thus the asset value of the whole site.

This paper deals with the methodology used to decontaminate the facility for the purpose of a change of licence of the explosive facility.

15:55 The Importance of Management of Change in New Plant Construction- Adam Williams

This paper will consider the importance of the Management of Change process in the design and construction of new plants, drawing on the positive and negative learnings from EPC Groupe's new Bulk Emulsion Plant in the UK.

To emphasise this link, it is important to first understand what the key elements of a good Management of Change (MOC) process are, and the place of MOC in the Process Safety Lifecycle. The paper will also provide an overview of design elements, including relevant standards compliance, and some of the complications that can arise throughout the construction process. Essentially, any major project of this nature is subject to both enforced and desired change, and the challenge for a high hazard industry like explosives manufacture lies in the management of these changes.

16:30 Ordinary General Meeting

GALA Dinner 19:00 –Stieglkeller

SOCIAL PROGRAMME

Thursday 27 April 2023

Spouse's Programme – 35-40 persons

Discover Salzburg
City walk and Hellbrunn Castle
Duration approx. 6 hours incl. lunch, 09.00 H-16.00 H

Three main factors are responsible for Salzburg's world-wide fame: the incomparable charm of its architecture, the beauty of the surrounding countryside and the fortune that W.A. Mozart was born here in 1756

Friday 28 April 2023

Spouse's Programme – 35-40 persons

Mozart Tour
Duration approx. 4-5 hours incl. lunch, 09.00 H–14.00 H
Salzburg celebrates W.A. Mozart 260 years after his birth, nowhere else is Mozart more alive than in Salzburg!

As the city in which Wolfgang Amadeus Mozart was born and grew up, Salzburg can fairly claim the title of City of Mozart.
One of the most popular museums in Austria is Mozart's Birthplace, tucked away in the Getreidegasse. Take a journey back into the 18th century.
Mozart's fortepiano, on the other hand, can be found at the Mozart Residence on Makartplatz Square

Friday 28 April 2023

Gala Dinner at Stieglkeller

The Stieglkeller is located at the foot of the fortress "Hohensalzburg" in the middle of the historic town. In addition to its impressive banquet hall, the grand "hunting room" and what is certainly one of Salzburg's most beautiful beer gardens, the Stieglkeller offers its guests a magnificent view of the city. Hearty Austrian cooking, fine Stiegl beers and a local atmosphere guarantee an enjoyable evening.

Walking Transfers with hosts/hostesses or guides if wished.

Saturday 29 April 2023 Congress Excursion

The Lake District and Hallstatt the World's Oldest Salt Mine

Duration approx. 8 hours incl. lunch

09.00 H-18.00 H

Duration approx. 10,5 hours incl. inside visit salt mines

09.00 H-19.30 H

The Salzkammergut area (Lake District), with a total of 76 lakes, is one of the most impressive regions in the heart of Austria.

While we are travelling east, we pass Lake Fuschl and reach St. Gilgen, the birthplace of the mother of Mozart. In St. Gilgen a wonderful cruise on the Lake „Wolfgangsee" will start. After approx. 1 hour on board, we will end at the village St. Wolfgang.

The 11 kilometres long and up to two and a half kilometres wide lake is located on the northern border of the Alps at 539 meters above sea level.

The village St. Wolfgang owes its name to holy Wolfgang who was looking for refuge in the area more than 1000 years ago.

During the 15th and 16th century St. Wolfgang was besides Rome, Aachen and Einsiedeln one of the most outstanding pilgrimage towns.

What are you expected to do?

Please bring the contents of this Bulletin to the attention of any possible delegates in your company or organization. We are particularly keen to have as many CEO' and Senior Executives of our member companies at this Congress even if it is just for the Thursday, 27 April 2023.

Please ensure your registrations and hotel bookings are done timeously – there are limited numbers allowed at the training and Workgroup Sessions.

Contact the Secretariat at secretariat@safex-international.org with any concerns, comments or suggestions about the Congress Programme.

Dr Pieter S J Halliday
Secretary General, SAFEX International
Home office
49 Market Street, Johannesburg North, 2188 Randburg. South Africa
(Tel): +27 11 704 1743 | **Mobile** (Tel): +27 82 556 5351 | (Fax): +27 11 704 1743 |
(E-mail): secretariat@safex-international.org

SAFEX International Registered office
c/o Societe Suisse Des Explosifs,PO Box 636,Brig,CH 3900,Switzerland.
(Tel): +41 27 922 7111 | (Fax): +41 27 922 7111 | **Website**: www.safex-international.org