

# 2<sup>nd</sup> Annual Global Mining Forum

~ Overcoming Challenges and Identifying Opportunities to drive Sustainable Growth~

24th & 25th January 2012, London, UK

#### **OUR DISTINGUISHED SPEAKERS & ADVISORS**

**KEYNOTE:** aul Anciaux, European Commission (Belgium) Directorate General for Enterprise & Industri Andrew Bloodworth, British Geological Survey (UK) Head of Science for Minerals & Waste Dr. Elena Clarici, Association of Mining Analysts (UK) Chairman Hu Fleming, Hatch Water (Canada) Global Director Henryk Karas, KGHM (Poland) Chairman of HLG, ETP SMR Ivar Fossum, Nordic Mining (Norway) Chief Executive Officer Cary Depel, Eurasian Natural Resources Corporation (UK) Group Global Head of Compliance Sunit Patel, Chaarat Gold Holding Limited (Kyrgyzstan), Vice President Exploration Christer C. Lindqvist, Nordic Iron Ore (Sweden) President and CEO Andrew Johnson, Miranda Minerals (South Africa) Chief Executive Officer Patrick Chevalier, Department of Natural Resources Government of Canada Director, Strategic Outreach & Partnerships Division Dr. Per Storm, Kopparberg Mineral AB (Sweden) Managing Director & CEO Krister Söderholm, Laiva Gold Mine (Finland) General Manager

Fernando Fernandez, Rio Tinto (Australia) Geotechnical Superintendent Randall K Ruff, Carpathian Gold Inc (Romania) **Executive Vice President Exploration** Rakan Rahbani, Xstrata Technology (UK) Process Engineer Mineral Processing Prof Abdulkarim Mruma, Geological Survey of Tanzania Chief Executive Roar Sandoy, Sibelco Nordic Mines AS (Norway) Chief Geologist Dr. John Atherton, International Council for Mining & Metals Senior Program Director Alberto Diaz, Rio Tinto - ARGYLE DIAMONDS (Australia) Senior Mining Engineer David Mchaina, Nuinsco (Canada) VP of Environment & Sustainable Development Christopher Sangster, Scotgold Resources (Scotland) President & CEO Alexander Belous, Ferrexpo Group (Ukraine) Chief Geologist Alfredo Augusto Mendes Franco, Sojitz Beralt (Portugal), Senior Technical Engineer Eng. António Corrêa de Sá, Sojitz Beralt (Portugal) Chief Executive Officer Raian Kumar, N.M.D.C. Limited (India) AGM (Mineral Processing)

## OVERVIEW

Mining as an Industry today is seeing a rising demand from developing countries, especially for precious metals. Over time, the Industry has seen an introduction of tighter regulations; both at a global and regional level. While the Mining sector has advanced in many ways, there are challenges, which need attention.

2<sup>nd</sup> Annual Global Mining Forum will aim at overcoming these global challenges & identifying opportunities to facilitate better mining practises. Over two days, the forum will address:

- Sustainability & its integration into the Company strategy
- **Key Solutions for Better Mining Practises**
- Case Studies on Greenfield and Brownfield projects

One of the Key Feature will be **THE 'CEO' PANEL** which will discuss the most important issue of **Earning a Social License** by maintaining good relations between the local community and governments.

# WHO SHOULD ATTEND

CEO's, Managing Directors, Presidents, Chairman, Directors, Government officials, Heads of Regulations, Project Directors and Managers, Heads of Exploration, Geologists, Business Development & Marketing Heads, Investment officers, Lawyers & Heads of Legal Departments, Technology Directors, Head of Technical & Technology Managers, Heads of Engineering, Sustainable Development Managers, Head of Material Science, Contracts Manager, General Manager Mines, Operations Manager, Manager Water Solutions

Lead Water Technology Partner:

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Mining World

# WHAT DELEGATES SAY ABOUT OUR EVENTS

Let me also congratulate you for the good organization and excellent level of the event.

Head of the Mines and Quarries Department Direcção-Geral de Energia e Geologia (DGEG), Portugal

I had a great time presentation and am looking forward to the  $3^{rd}$  annual meeting next year.

Corporate Director of Information Technologies Dundee Precious Metals, Canada

It was my pleasure to attend to the 2nd Annual Global Mining Technology forum. Certainly I got lots of learning from the professional and personal point of view; also the networking was really good.

Senior Mining Engineer Rio Tinto Argyle Diamonds, Australia I found the attendees to represent a wide cross-section of disciplines from our industry -- a healthy diversity.

Executive Vice President Exploration, Carpathian Gold Inc, Romania

I enjoyed being a part of the Global Mining Forum. I also found the discussions with delegates between sessions very interesting and informative, and a good opportunity to exchange and develop views on the state of the global industry.

> Information Officer The Institute of Materials, Minerals and Mining, London

Thanks for a well run conference last week in London. I think it worked well and that it had quite a good audience

President & CEO, Northland Resources S.A., Luxembourg

Well attended by Senior mining personnel and well put together. Vice President Mining, **Sekoko Resources, South Africa** 

# LIST OF COMPANIES WHO ATTEND OUR EVENTS

African Barrick Gold African Minerals Anatolia Minerals Anglo American Anglo Platinum AngloGold Ashanti Antofagasta Minerals BHP Billiton Codelco Chile Dundee Precious Metals DeBeers Global Mining Exxaro Resources Ferrexpo Group InvestSweden Lundin Mining Corporation Metso Minerals Ministry of Energy & Enterprise Mongolian National Mining Association Mawarid Mining Nordic Mining Nordic Mining Norilsk Nickel Oyu-Tolgoi LLC Rio Tinto Rio Tinto Technology & Innovation Reutech Mining Sandvik Mining & Construction Sekoko Resources Vale SA Votorantim Metais Ltda. Coal India ABB Agnico - Eagle Mines Boliden Carpathian Gold Inc Caterpillar Global Mining Comex AS Eurasian Natural Resources Corporation DGEG Portugal ERAMET European Commission Geological Survey of Sweden GoviEx Uranium Inc G-Resources Impala Platinum Intex Resources Laiva Gold Mine Metallum Resources Northland Resources TATA Steel Saudi Geological Survey Ma'aden Gold & Base Metals Co. IMIRDO, Iran Mahanadi Coalfields Yemen Iron & Steel Co. Zinkgruvan Mining AB Geological Survey of Slovenia etc...



Day 1, 24<sup>th</sup> January 2012

#### Exploring & Exploiting: What Keeps you Awake

#### 8.30 Registration and Coffee

#### 9.00 Opening remarks from the Chair

- **KEYNOTE** Impact of Mining on the Global 9.10 Economy: Initiatives undertaken by EU
  - · Contribution of Mining to the economic development
  - The role mining plays in being a home grown industry • What are developing countries doing to secure their raw materials?

Paul Anciaux, European Commission (Belgium) Directorate General for Enterprise & Industry

#### 9.30 Banning the use of cyanide in mining in Europe why?

- On May 5th, 2010 the EP approved a resolution which calls on the Commission to initiate a complete ban on the use of cyanide miming technologies in the EU by the end of 2011
- The resolution was based on the failure of a tailings dam in Romania in 2000
- The Commission two months later decided not to go for the proposed banning
- New attempts to ban cyanide in mining in Europe has been made, without understanding these consequences: o Gold mining and production would move outside Europe o Gold mining and production would increase especially in undeveloped countries with poor legislation and monitoring
- The historical lack of control in some new EU member states is not a good reason for punishing gold mining industry in the rest of Europe

#### Krister Söderholm, Laiva Gold Mine (Finland) General Manager

#### **10.05** Political & Resource Nationalism Risks

- Resource Nationalism as a major concern to global mining companies
- Imposition of greater control on foreign participation
- Preference of state exploitation of own minerals
- Dr. Elena Clarici, Association of Mining Analysts (UK)

#### Chairman

#### 10.40 Morning Coffee and Networking

#### 11.05 Increasing Regulations within the Mining Industry

- Why are governments getting tighter in their regulations?
  - · Clarity & transparency in regulations
  - Securing Mine permits

 Climate change policies at an International level Prof Abdulkarim Mruma, Geological Survey of Tanzania Chief Executive

#### 11.35 Responsible Mining - A Framework for Sustainable **Benefits**

- · Mining represents an opportunity for developing countries to reduce poverty and create wealth
- To achieve this outcome requires good governance on the part of both governments and industry.
- The Mining Policy Framework and Canada's CSR Strategy address both these issues

# **Patrick Chevalier,** Department of Natural Resources Government of Canada

Director, Strategic Outreach & Partnerships Division

#### 12.05 Addressing the increasing concern of Rare Earth Elements & Critical Metals: The metals of the future

- · Meeting the critical metals demand
- Concerns expressed by larger industries
- Addressing complexities like permits and infrastructure issues Andrew Bloodworth, British Geological Survey (UK) Head of Science for Minerals & Waste

#### 12.35 THE CEO PANEL: Earning a Social license to operate

- What are the factors affecting the importance of social license Maintaining good relations between the local community and exploration
- Giving due importance to social issues like land use, water, electricity
- Ensuring mine safety & environmental controls
- MODERATOR:
- Dr. Elena Clarici, Association of Mining Analysts (UK) Chairman
- Ivar Fossum, Nordic Mining (Norway)
- Chief Executive Officer

Christer C. Lindqvist, Nordic Iron Ore (Sweden) President and CEO

Andrew Johnson, Miranda Minerals (South Africa)

Chief Executive Officer

Dr. Per Storm, Kopparberg Mineral AB (Sweden) Managing Director & CEO

Krister Söderholm, Laiva Gold Mine (Finland)

General Manager

Prof Abdulkarim Mruma, Geological Survey of Tanzania Chief Executive

#### 13.10 LUNCHEON

#### 14.10 **Building a Compliance Function from Scratch: Pits,** Pitfalls, Deep Shafts, and Canaries Cary Depel, Eurasian Natural Resources Corporation (UK), Group Global Head of Compliance

#### **Integrated Water Management Strategies for** 14.45 **Sustainable Mining Operation**

Water management, both source water for mining operations, and wastewater generated, is critical for long term sustainable mining operations. With sources for water dwindling around the global, and, environmental pressure increasing for discharge of wastewater, having a proactive water master plan is necessary ingredient in any mining project. This presentation includes:

- Source water options- municipal vs. groundwater and sea water Desalination options
- Mine water requirements- water quality for various mining operations
- Dewatering of mines
- Acid mine drainage
- Advanced technologies for zero liquid discharge and wastewater reuse

Hu Fleming, Hatch (Canada) **Global Director** 

# 15.30 Afternoon tea and networking

#### 16:00 Water Management Solutions in the Mining

#### Industry

- Innovative solutions to dealing with water issues in the mining industry
- Using sea water for the whole mining operation
- Finding access to water sources to supply future mining projects Applying reverse osmosis technology and its feasibility
- especially with junior mining companies
- David Mchaina, Nuinsco (Canada)

# VP of Environment & Sustainable Development

### 16.40 Topic Awaited

Rakan Rahbani, Xstrata Technology (UK) Process Engineer Mineral Processing

#### **Interactive Panel Discussion: Developing**

Knowledge & Processes to Encourage Innovation Improving Safety & Reducing the Environmental impact of

- Mines
- Low-Carbon production of minerals
- Clean coal technologies for environmental rehabilitation and protection
- Integrating environmental risk assessment into your overall risk management framework

#### 17.50 Closing remarks from the chair

Speakers and delegates are cordially invited to attend a Networking Cocktail reception



17.20

Day 2, 25<sup>th</sup> January 2011

Greenfield & Brownfield Projects: Mining the Unmined

#### 8.30 Registration and Coffee

#### 9.00 Opening remarks from the chair

# 9.10 Mining Potential in Scandinavia: Europe's future in mining

- The role of the government in supporting mines under development
- Examining new areas to carry out exploration activities
- Availability of Mining know-how and highly trained personnel

#### Ivar Fossum, Nordic Mining (Norway) Chief Executive Officer

#### 9.50 Chaarat Gold in the Tien Sang belt of Western Kyrgyzstan: A fascinating journey from green field occurrence to production – A case study

- Geological set up
- Location vis-à-vis Tien sang Geology & Structure
- Challenges of exploration and exploration strategy
- Resource
- Production strategy
- Project economy

#### Sunit Patel, Chaarat Gold Holding Limited (Kyrgyzstan), Vice President Exploration

#### 10.30 Morning Coffee and Networking

#### 11.00 Experiences of Junior Mining in Southern Africa

- The project pipeline from greenfields to production
- Financing options
- Regulatory
- Infrastructure

Andrew Johnson, Miranda Minerals (South Africa) Chief Executive Officer

# 11.40 The integration of sustainability in a medium size & old mine in 'Portugal'

- History of the Panasqueira Mine
- Strategic importance of Tungsten today
- What is sustainable development in the Extractive Industry, exploiting non-renewable resources?
- What are the difficulties shareholders and management of the Company has to face to implement some of the elements of the sustainable development at the Panasqueira Mine
  Alfredo Augusto Mendes Franco, Sojitz Beralt

(Portugal)

Senior Technical Engineer

#### 12.20 Interactive Panel Discussion: Does the future of Mining lie with Developing Countries?

- Meeting with the rising demand from developing countries
- How does mining play a key role in alleviating poverty?
- Strategic business decisions taken by local players
- Digging deeper for profits
- What developing countries need to learn from developed countries

#### 12.50 LUNCHEON

#### 14.00 Renascence in the Iron Ore District of Bergslagen in Sweden: Preparations for opening two brownfield mines

- The last big iron ore project out of Sweden?
- Fast track development to production of Blötberget and Håksberg mines
- Large production expansion opportunity through the world class deposit of Väsman
- Efficient logistics the key to any iron ore project **Christer C. Lindqvist, President and CEO** Nordic Iron Ore

#### 14.40 Topic Awaited Dr. Per Storm, Kopparberg Mineral AB (Sweden) Managing Director & CEO

15.30 Afternoon tea and networking

### 16.00 Topic Awaited Henryk Karas, KGHM (Poland) Chairman of HLG, ETP SMR

16.30 Topic Awaited Randall K Ruff, Carpathian Gold Inc (Romania) Executive Vice President Exploration

#### 17.00 Closing remarks from the chair



#### Meet our Distinguished Speaker Panel:

#### Paul Anciaux, European Commission (Belgium)

Directorate General for Enterprise & Industry

In 1990 Paul Anciaux became Master of Political and Social Sciences at the Catholic University of Louvain, Belgium. He started his professional career in 1991 working for the Belgian branch of the multinational paytelevision company, FilmNet (later: Canal+), where he was responsible for purchase management. In 1999 he continued his career as Purchase Manager, working for Intec, a company near Louvain which specialised in socio-medical software, and followed this with a brief period in 2001 with the pharmaceuticals company Nycomed-Christiaens in Brussels. In September 2001 he joined the European Commission, Directorate-General for Enterprise and Industry. Working in Unit G.3 (Minerals, metals and raw materials), he is the desk officer responsible for the EU non-energy extractive industries. Paul co-ordinates the work regarding the EU Raw Materials Initiative. In this context he has also organised the work that led to the identification of critical raw materials at EU level. Paul is also Vice-President of the International Lead & Zinc Study Group and Chairman of the Environmental & Economics Committee of the International Nickel Study Group.

#### James Andrew Johnson, Miranda Minerals (South Africa) Chief Executive Officer

Andrew is a registered Professional Mining Engineer with in excess of thirty years experience, in the operation and planning of mines in Britain, South Africa, Angola and Mozambique. Minerals mined have been coal, alluvial diamonds and tantalite. He has experienced, both large corporate systems and small, single operation companies, and has operated in some difficult logistical and cash flow conditions. Andrew has been involved with long term mine planning, budgeting and financing, including feasibility studies. He also maintains a network of contacts in the mining industry through professional bodies. For the past seven years, has been involved with junior mining companies developing exploration projects along the project pipeline towards operational mines. He recently joined Miranda Minerals as CEO and was previously with Sekoko Resources as VP Exploration & Mining.

#### Krister Söderholm, Laiva Gold Mine

#### General Manager

Krister Söderholm was born in August 1950 in Parainen, SW Finland. He studied at two different universities in Turku, and his Masters Thesis was approved in 1979. In the period from 1979 to 2002 Mr Söderholm was employd by Outokumpu Oyj and he held several positions as follows:

- 1979-1984 Mine, exploration and research geologist at the Kemi, Vihanti and Hammaslahti mines in Finland.
- 1985-1988 From mine geologist to Chief Geologist and Mine Mgr at Bidjovagge Au-Cu mine in Northern Norway.
- 1989-1996 From Project Mgr Pahtohavare mine project to Exploration Mgr Viscaria AB in Sweden.
- 1997-2002 Deputy Chief Mine Geologist/Mining Services, Project Mgr, Chair of Benchmarking Network, Project Mgr precious metals, all these for Outokumpu Mining Oy.
- 2003-2006 Chief Inspector of Mines at the Ministry of Trade and Industry, Finland
- 2006-2010 MD for Kevitsa Mining Oy, Finland and from summer 2008 when the mine project got a new owner new position as Country Mgr Finland for First Quantum Minerals Ltd.
- Sept 2010 Founder and CEO of KS Consulting Oyj (KRISCON), Senior Consultant for several companies, including First Quantum Minerals Ltd. and Alcaston Exploration AB.
- May 2010 Board member of Nordic Mines AB.
- 2006-2010 MD for Kevitsa Mining Oy, Finland and from summer 2008 when the mine project got a new owner new position as Country Mgr Finland for First Quantum Minerals Ltd.
- May 2010 Founder and CEO of KS Consulting Oyj (KRISCON), Senior Consultant for several companies, including First Quantum Minerals Ltd. and Alcaston Exploration AB
- May 2010 Board member of Nordic Mines AB
- Nov 2010 General Manager of the Laiva gold mine in Finland, continuing also as a board member of Nordic Mines AB

#### Alfredo Augusto Mendes Franco, Sojitz Beralt (Portugal) Senior Technical Engineer

Alfredo Franco has 36 years experience as a mine, metallurgical, safety and environmental engineer and manager. In the metallurgical area he has been responsible for a range of bench scale and pilot plant process investigation studies (gravity and flotation concentration of sulphides and cassiterite) and design, construction, commissioning and operation of a pilot and two full-scale industrial metallurgical plants (copper and coppertin plants of Somincor S.A.), including all related environmental studies and development of appropriate tailings pond disposal and management. As Technical & Development Manager of Somincor, has been responsible for a wide range of matters in the areas of the Laboratory, the Environmental Department, the Research and Development Department, the Safety Department and Technical Support in the Marketing of Concentrates. In the last 6 years, in the Production and Mine area, he has been responsible for all the activities to produce and process 1,85 Mtpa of ore and develop the mine (0,25 Mtpa of waste), with a budget of 35-40 million Euros, 700 employees and 100 contractors. During this period has been responsible to design and introduce the Bench and Fill at Corvo ore body and redesign and create new layouts of Drift and Fill with associated development. Introduced the Paste Fill system (Past Plant at surface and paste reticulation underground). In the production area, other then full responsibility for the total Production (Mine and Plants) and the Health & Safety Department, developed the feasibility study for mining the Complex Ore bodies, including full design of layout of mine stopes, the processing flow sheet and Plant design and layout plans and introduced the SAP management system.

#### Ivar Fossum, Nordic Mining (Norway) Chief Executive Officer

Fossum holds a Master of Science in Mechanical Engineering from the University of Science and Technology in Trondheim, Norway (NTNU). He has previously held various managerial and commercial positions within the oil and gas industry and the fertilizer industry, among those positions as head of Natural Gas Transportation, Hydro's department for exploration and production, director of raw material sourcing and trading in Hydro Agri International, general manager of Norsk Hydro East Africa Ltd. Fossum is a Norwegian citizen and resides in Asker, Norway.

#### Hu Fleming, Hatch Water (Canada) Global Director

Hu Fleming is Global Director, Hatch Water, a unit of Hatch, a global engineering and program management organization. He received master and doctorate degrees in chemical engineering from Cornell University, and his MBA at Harvard Business School. Hu is well known in international water and environmental circles, with more than hundred publications, sixteen patents, and four books in various aspects of water management, including mining. He is the co-author of the Handbook of Membrane Technology. Among professional affiliations, Hu has been chairman of the International Congress on Membranes and Membrane Processes, the Task Group on Water for World Health Organization, EPA's Clean Water Act Advisory Group. the Water Reuse Association, as well as chairman of NATO's Advisory Group on Environmental Management. He was recently an invited speaker at the United Nations as part of World Water Day, as well as various U.S. Congressional committees on water and environmental issues.

#### Patrick Chevalier, Department of Natural Resources Government of Canada

Director, Strategic Outreach & Partnerships Division

Mr. Chevalier joined the Department of Natural Resources Canada in 1991 and is currently Director, Strategic Outreach and Partnerships Division of the Minerals and Metals Sector. In addition to addressing international policy issues related to minerals and metals, aboriginal participation in mining and corporate social responsibility, Mr. Chevalier is led the development of Canada's contribution to the UN-Commission for Sustainable Development review on mining in 2011. Prior to taking up the position as Director, Mr. Chevalier was a senior policy advisor for a range of non-ferrous and precious metals. Prior to joining the Canadian government, Mr. Chevalier worked as an exploration geologist with several Canadian mineral exploration and mining companies.

#### **MEET OUR RENOWNED SPEAKERS**

#### Dr. Elena Clarici, Association of Mining Analysts (UK) Chairman

Dr Elena Clarici is currently Portfolio Manager with Scipion Capital LLP, a frontier market specialist and fund manager focused on two distinctive themes: commodities and Africa. Prior to joining Scipion Capital, Elena was a Senior Investment Analyst with Geneva-based Ocean Finance SA, a natural resources investment firm and advisor to Africa Energy Resources Elena was founder and Managing Partner of London-based Fund. Commodity Energy Capital - CeCap LLP, a specialist investment boutique, providing analysis and due diligence to investment funds and family offices looking to enter the natural resources sector. Originally, Elena was trained as a mining equity analyst and natural resources investment banker at various institutions in the City of London. Elena studied mining and earned her PhD from the Royal School of Mines, Imperial College, London. She is also the Chairman of a company focused on farming and agriculture in sub-Saharan Africa and the Chairman of the Association of Mining Analysts in London.

#### **Christer C. Lindqvist**, Nordic Iron Ore

President and CEO

Christer C. Lindqvist, President and CEO of Nordic Iron Ore AB, holds a MSc. in Metallurgy from the Royal Institute of Technology in Stockholm. He has more than 25 years of experience from industrial development in various industry sectors including as the steel industry, and from international project management as well as project finance activities. He also has extensive experience from the Swedish and US capital markets, including a number of Swedish IPO's. His professional background includes executive positions with the ABB group, STC Interfinans AB, AB Traction. Specifically, he was one of the first investors and directors in Dannemora Mineral AB and project director for the pre-feasibility study and marketing activities. He is currently the Chairman and largest owner of Kopparberg Mineral AB, founder and one of the largest owners of Nordic Iron Ore AB. Kopparberg Mineral AB is a public company, listed on NASDAQ OMX First North in Stockholm

#### Dr. Per Storm, Kopparberg Mineral AB

Managing Director & CEO

Dr Per Storm is the Managing Director of Kopparberg Mineral AB. He is born 1962 and was previously managing director and principal, iron ore and steel, at Raw Materials Group RMG AB, one of Europe's leading, independent groups of mineral economists and mineral strategy/policy analysts. Before joining RMG, Dr Storm was vice President and Secretary to the Academy, Royal Swedish Academy of Engineering Sciences, IVA. Per Storm holds a Dr. Sc. degree in Industrial economics and management and a Dr.-Ing. degree and M. Sc. in Metallurgy and metals production, all from KTH and holds a M. Sc in finance from Stockholm University. Dr Storm has done extensive consulting work in the Swedish mining, metallurgical and mechanical industry and well as being active in the founding and on the board of several small companies.

#### Sunit Patel, Chaarat, Chaarat Gold Holding Limited (Kyrgyzstan) Vice President – Exploration

Sunit Patel is a professional exploration Geologist with more than 23 years of experience in mineral exploration which comprises of green field and brownfield projects in India, DR Congo and Kyrgyzstan. Mineral commodities explored have been base metal, iron ore, manganese, copper, cobalt and gold. He holds a Post Graduate degree in Geology from Berhampur University, India. He is a Fellow of the Geological Society of India, the Geological Society of London and a Member of the Geological Society of South Africa and has more than 20 research publications to his credit. In addition to exploration project management, Sunit has also been involved with long term mine planning, budgeting and financing, including feasibility studies. For the last four years he is successfully leading the exploration program of Chaarat Gold Holding Limited [AIM: CGH] and has brought it from a green field gold occurrence to close to production (scheduled for May, 2012).

### **Sponsor Profiles:** Supporting Sponsor: Electric Control

Electric Control Products exclusively provide solutions for the mining industry in two key areas of Production and Safety. Electric Control Products manufacture a range of products that provide



high safety standards and production to the mine. Our range of products include: Conveyor Emergency Stop Switches (SAFE-T-PULL®); Conveyor Belt Drift Switches (SAFE-T-DRIFT®) and Conveyor Belt Rip Switches (SAFE-T-RIP®). All these products are designed and manufactured to IEC and AS/ NZ standards. These products are ready to be tested by TÜV Rheinland Japan for Functional Safety to continue being at the forefront of the mining industry.

#### Lead Water Technology Partner: Hatch

**ZHATCH** 

Hatch Water is composed of a global team of multi-

disciplinary experts, including chemical and civil engineers, hydro-geologists, and hydrologists as well as mechanical, piping, electrical, and controls engineers. In addition to designing, constructing, and commissioning water and wastewater treatment systems, our water team specializes in thoroughly integrating the plant with industrial core processes. Hatch's expertise in the mining, metals, energy, and infrastructure sectors means that we optimize water solutions to reflect the needs of the entire facility and the environment in which it operates.