



Enabling a more sustainable future

Pre-Conference Day Workshops – Tuesday, 29th of November 2022

15.00 – 16.30 Impact of ESG clauses on Aluminium industry

- What is Environmental, Social, and Governance
- How to embrace ESG and remain competitive?
- Drivers for ESG clauses:
 - Rising purchaser and consumer demands
 - Hefty regulatory fines and government monitoring
 - Boardroom and C-suite executives are under pressure
 - Changes in the labour force
- ESG initiatives for Aluminium
- Technology's role in the implementation of ESG initiatives for manufacturers
- Low carbon aluminium: pricing transparency, integration with low carbon certification, and verification chain of custody
- Carbon Border Adjustment Mechanism (CBAM)
- ESG challenges on project financing
- ESG standards - what's the progress on measurement methodology, emissions benchmark, data and reporting framework?
- Assessing pricing impact of LME trading platform for sustainably sourced aluminium

Diana France, Partner, HFW *

16.30 - 17.00 Coffee Break

17.00 – 18.30 Meeting disruption in Aluminium sector with Industry 4.0

- How is digital technology challenging traditional business models?
- Improving efficiency and productivity through intelligent use of the data and information available within the smelter
 - Impact on cost, quality and customer satisfaction
 - Better protection against external factors
- Digital technologies and other elements of Industry 4.0
 - Impact on productivity
 - Better control over the production process
 - Access to customers.
 - Better safety and environmental sustainability
- How can producers leverage digital technology to maintain their competitive edge?
- Industry 4.0 in the Aluminium industry:
 - Digital production process and control with digitisation
 - Automation and robotics
 - Big data
 - Machine learning and artificial intelligence

Speaker TBC

19:00 Arabal Welcome Cocktail reception



Conference Day 1 Wednesday, 30th of November 2022

08.30 – 09.30 Registration and Welcome Coffee

09.30 – 09.50 Welcome & Keynote Opening from Hosts and Arabal Chairman

09.50 – 10.30 Official Exhibition Opening and Ribbon Cutting Ceremony

10.30 – 11.30 Session 1

Arab Smelter Panel – Current challenges future opportunities

- Uncertainty over China's production levels
- War in Ukraine and the impact on prices with loss of alumina supply
- Economic, political and market factors impacting production
- Gearing up to deliver a more sustainable future
- Integrating ESG standards
- Advancing Diversity, Equity & Inclusion (DEI) – are we being fast enough?

Moderator

Julian Kettle, Vice Chairman of Metals and Mining, **Wood Mackenzie**

Keynote Panellists

Abdulnasser Bin Kalban, Chief Executive Officer, **Emirates Global Aluminium (EGA)**

Ali Al-Baqali, Chief Executive Officer, **Aluminium Bahrain B.S.C. (Alba)**

Khalid Mohammed Laram, Chief Executive Officer, **Qatalum ***

Mahmoud Ali Ahmed Salem, Executive Managing Director, **Egyptalum**

Riyadh Al-Nassar, Senior Vice President, Aluminium SBU, **Ma'aden**

Said Al-Masoudi, Chief Executive Officer, **Sohar Aluminium**

11.30 – 11.45 Coffee Break

11.45 – 12.45 Session 2

How is the industry meeting the booming demand with the resurgence post-Covid with tightness resulting from the war in Ukraine?

- What are the plans to avoid inventory depletion?
- Can we assess the consequences of the forced shut down by the power disruptions in China?
- What is the impact of the premium of backwardation and of the elimination of tariffs on key commodities?
- Can we forecast the expected demand from the solar power sector?

Moderator

Nicholas Snowden, Head of Industrial Metals Research, Global Investment Research Commodities, **Goldman Sachs**

Presentation

Julian Kettle, Vice Chairman of Metals and Mining, **Wood Mackenzie**

Panellists

Dr. Frank Jackel, Co-Founder and Managing Director, **Metalshub ***

Ivan Vella, Chief Executive Aluminium, **Rio Tinto ***



Paul Voss, Director General, **European Aluminium**
Paul Williams, Head of Aluminium, **CRU**

12.45 – 13.45 Session 3

Aluminium key enabler of the path towards a more sustainable economy and a 'green' recovery

- How to support the role of aluminium as a beacon for the circular economy?
- What are the steps being taken towards greener aluminium namely the platform for low-carbon aluminium and supply-chain decarbonisation collaboration?
- Capturing the opportunities in new mobility and smart and environmentally friendly cities of the future
- What examples do we have of legislative/regulatory support for infrastructure, recycling and low-emissions production?

Moderator

Zaid Aljanabi, Principal Consultant, **CRU**

Panellists

Bjørn Kjetil Mauritzen, Head of Sustainability, **Hydro** *

Hugo Brodie, Vice President – Group CEO Office (Sustainability and Commodities Strategy), **London Metal Exchange**

Jordon Kuschminder, Global Director Social Sustainability, Head of Alcoa's Social Performance Management Unit, **Alcoa** *

Nafal Al Hajri, Chief Supply Chain Officer, **Qatalum** *

Representative, **Aluminium Climate-Aligned Finance Working Group** *

13:45 – 14.45 Lunch

14:45 – 15.45 Session 4

Aluminium dashboard – costs, logistics, input materials

- How has the industry weathered rising power and input materials costs? Are there regional differences in the approach?
- Overcoming the logistical challenges regarding metal supplies and the sanctions on Russia
- What's the direct and long-term forecasted impact on transportation and supply-chain challenges?
- What are the plans to overcome the demand stress for scrap caused by the market drive to reduce carbon content on metal and the impact of slow logistics?

Moderator

Jonathan Saul, Senior Correspondent, **Thomson Reuters** *

Panellists

Christopher Cook, Managing Director UAE, Oman and Qatar, **Maersk** *

Ehab El Alwany, Head-Marketing Sector, **Egyptalum**

Ingrid Jörg, Chair, **European Aluminium** *

Mohammed A. Al Hunaini, Vice President, Operation – Smelter, **Ma'aden**

Simon Storesund, Chief Supply Chain & Bus. Dev. Officer, **Emirates Global Aluminium (EGA)**

Waleed Tamimi, Chief Supply Officer, **Aluminium Bahrain B.S.C. (Alba)**



15:45 – 15.55 Spotlight on new developments

One further step towards sustainable aluminium production: New cathode design achieving 0.5 to 1 kWh/kg energy saving even on modern 600 kA cells while increasing cell life, improving safety, and decreasing specific aluminium production cost

Rene von Kaenel, President & CEO, **KAN-NAK**

15.55 - 16.05 Spotlight on new developments

Digitalisation as sustainability catalyser: Efficiency of the production plant: structuring how best to produce, the ideal time to produce, the optimised yield and reduced material movements resulting in savings in cost across all levels – production costs, energy costs, material costs, handling costs and increased OEE.

Gunther Schober, Sales Manager, **PSI Metals Non Ferrous GmbH**

16.05 – 16.15 Spotlight on Carbon Border Adjustment Mechanism (CBAM)

Speaker TBC

16.15 – 17.15 Session 5

Aluminium market SWOT – Strength, Weakness, Opportunity, and Threat analysis and forecast

- Assessing the sources of disruption for the aluminium industry – can they be turned into opportunities?
- What are the current industry drivers for growth and expansion?
- Besides logistics and political landscape, what are the industry-specific challenges and risks?
- How quickly do we anticipate a two-tier pricing system deriving from carbon taxes in the EU, USA and Japan?

Moderator

Christoph Eibl, CEO, **Tiberius**

Panellists

Abdul-Majid Mohamed Shamroukh, Pot Room Manager, **Egyptalum**

Daniel Briesemann, Analyst Commodities, **Commerzbank ***

Ghannam Al Ghannam, Vice President, Aluminium Sales & Marketing, **Ma'aden**

Nafal Al Hajri, Chief Supply Chain Officer, **Qatalum ***

Teresita Larrain, Manager Strategic Sourcing, **Novelis ***

17.15 End of Day One

Conference Day 2 Thursday, 1st December 2022

08.30 – 09.30 Welcome Coffee

09.30 – 09.45 Welcome

09.45 – 10.55 Session 6

Understanding the market demand for aluminium sector by sector and update on refineries

Moderator

Miles Prosser, Secretary General, **International Aluminium Institute**

Quick- fire presentations



09.55

09.55 – 10.05 Automotive industry – versatility, improved safety, lower environmental impact and increased demand for EVs

Speaker TBC

10.05 – 10.15 Aerospace – meeting the demands of a high-spec industry

Speaker TBC

OR

Building and Construction – delivering to higher environmental standards

Speaker TBC

10.15 – 10.25 Packaging – Aiming even higher with can-to-can recycling

Speaker TBC

OR

Electrical and Electronics – lighter, stronger, more reliable than plastic with innate ability to absorb and dissipate heat

Speaker TBC

10.25 – 10.35 Power Sector – from traditional supplier to close partner in the energy transition supporting shift to renewables

Speaker TBC

10.35 – 10.45 Mozal Aluminium – Rebuilding a country, being the biggest employer and the largest private investment in the country

Samuel Gudo, Vice President Operations, **Mozal Aluminium** *

Bautek Brazil - Meeting the growing demand for bauxite in a low-carbon future

Reinaldo Noronha, CEO, **Bautek/Terra Goyana Mineradora (TGM)** *

10:45 – 10:55 Spotlight on new developments – Future Cities/Energy Transition Presentation

Speaker TBC

10:55 – 11:05 Spotlight on new developments

GCC's first plant for premium quality Aluminium grain refiners and master alloys, critical products for the casthouses: Reducing lead times and strengthening supply chains for the Aluminium industry in the region and neighbouring markets, to meet global economies' reboot and capacity expansions"



Enrique Sela, Bahrain Country Manager, **Aleatur**

11.05 – 11.30 Coffee Break

11.30 – 12.30 Session 7

Are VAPs – Value Added Products the route to better margins?

- What is the growth share of VAPs?
- Can we evaluate the incremental cost and potential earnings in both domestic and foreign markets across VAPs?
- Understanding producers' competitive position
- What will be the drivers of future demand?

Moderator

Marlen Bertram, Director – Scenarios & Forecasts, **International Aluminium Institute (IAI)** *

Panellists

Agnello Borim, Chief Operating Officer, **Sohar Aluminium**

Khalid A Latif, Chief Marketing Officer, **Aluminium Bahrain B.S.C. (Alba)**

Nicholas Boyd-Mathews, Executive Director, Chief Investment Officer, **Eden Asset Management** *

12.30 – 12.45 Spotlight on new developments – Technology Showcase

12.45 – 13.45 Session 8

The Future is now - Technology Game-Changers in the Aluminium industry such as Internet of Things (IoT) and deployment of Machine Learning (ML) and Artificial Intelligence (AI)?

- Impact of the IoT as an ecosystem of connected machines, equipment, devices and physical objects and of the deployment of Machine Learning (ML) and Artificial Intelligence (AI) solutions to improve process control?
- Potential cost savings by forecasting equipment failures and process deviations through data analytics
- How can we safely maximise production, reduce raw material costs, and optimise energy consumption?
- What is the digital twin concept in control and monitoring allows real-time simulation of the process, advanced control and remote expertise

Moderator

Saeed Al Gergawi, Head, **Dubai Future Academy** *

Panellists

Bodo Koerber, Partner, **McKinsey & Company** *

Wesam Alghamdi, Vice President, Strategy, **Ma'aden**

Mahmoud Agour, PhD, Material Science, Research Engineer, **Egyptalum**

Chief Power Officer/ Chief Technology Officers from **Smelters** *

13.45 – 14.15 Arabal outreach – collaboration for growth

Speakers TBC

14.15 – 14.30 Closing Session

14.30 – 15.30 Lunch

***Invited Speakers**