

Auckland UTC+13 hours	Sydney UTC+11 hours	Beijing UTC+8 hours	Delhi UTC+5:30 hours	Dubai UTC+4 hours	Moscow UTC+3 hours	Paris UTC+1 hour	London UTC	Rio de Janeiro UTC-3 hours	DC & New York UTC-5 hours	Houston UTC-6 hours	Los Angeles UTC-8 hours	Duration	Sessions Details	Format of the Session	Keynote, Speakers, Panellists, Presenters, Moderators
Tuesday 8 November 2022															
													Welcome Speech and Opening Remarks Opening Remarks by AZ Global Consulting MD <ul style="list-style-type: none"> Time has come to reset our industry after all the detours, distractions, disruptions, inflations, shortages and imbalances of recent months and years. Our targets and commitments haven't changed, so this conference is to set us back on track to move towards our vision and what we want to achieve. We need to be ahead of the game. We cannot go back to the way things were. We need to be flexible to deal with parameters which are not in our control, and scenarios that once were inconceivable, but are now a reality. Are we ready to deal with the Black Swans? Are we putting the right contingency plans for the long term? Old contingency models are now obsolete. How can we reset and reshape the industry: Re-energise, restart, reinvent and revolutionize for profitability and sustainability and contribute to a better World? We bring you this conference where the industry leaders from around the globe will jointly explore the solutions we can execute together. 	Keynote Speech	Keynote Speaker <ul style="list-style-type: none"> Paul Adkins, Managing Director and Founder, AZ Global Consulting Nancy Gillis, Program Head, Climate Action and First Movers Coalition
SESSION : Economy World Economy and Black Swans: How can we reset our path towards sustainability, profitability and growth?															
												0:40	In a post pandemic world, suffering from war, inflation and other difficult challenges, the global economy has suffered many shocks from these external forces. This has taught us a lot from a macro-economic and strategic point of view.	Keynote Speech	Keynote Speaker <ul style="list-style-type: none"> Patrick Chovanec, Economic Advisor at Silvercrest Asset Management and former Professor at Tsinghua University
													SESSION : Investment Is it Survival of the Bravest? How can we increase prospects of investments in the world of green and low carbon aluminium?		
												0:20	Lessons learnt and best practices.	Keynote Speech	Keynote Speaker
												0:40	<ul style="list-style-type: none"> Let's look at the world map - what is the status quo? Where are the big investments in aluminium smelters happening around the world? Are there any new smelters being commissioned? What are Investors' priorities in terms of return of investment? What are the elements that need to be considered for investing in new smelters or pursuing expansions? Is the current risk vs. reward balance against investment? What about inert anode? Hydroelectricity? Green Aluminium? Carbon capture and storage? What are the key prospects to opening new capacity or upgrading existing plants? Are there limitations from governments about energy consumption limits that affect the aluminium business investment decisions? Can existing smelters survive if they do not invest in green aluminium? Do investors see more value in investing in primary smelting? upstream? downstream? How can we better manage investors risks? 	Panel Discussion	Moderator <ul style="list-style-type: none"> Julian Kettle, Vice Chairman of Metals and Mining, Wood Mackenzie Panellists <ul style="list-style-type: none"> Mahmood Daylami, Secretary General, Gulf Aluminium Council Panthéa Geramishoar, Chief Executive Officer, Société des bauxites de Dabola-Tougou, Guinea (SBDT) Guinea, HBR Member of Advisory Council Tim Murray, Chief Executive Officer of Cardinal Virtues Consulting Curt Woodworth, Wall Street Analyst, Credit Suisse
SESSION : Calcined Petroleum Coke (CPC) Hear from the Source: Discussions of the CPC Industry Leaders about current trends and future prospects.															
												0:40	The Calcined Coke Forum has been a feature of AZ Conferences since 2008.	Panel Discussion	Moderator <ul style="list-style-type: none"> Paul Adkins, Managing Director and Founder, AZ Global Consulting Panellists <ul style="list-style-type: none"> Lauren Masterson, Editor, Argus Media Gerard Sweeney, President, Rain Carbon Inc Scott McLean, Manager of Global Coke Business Development, BP

SESSION : Technology and Application
Vision without Execution is Hallucination: How can we move from targets to execution? From commitment and planning to action and results?

6:00 PM 6:20 PM 4:00 PM 4:20 PM 1:00 PM 1:20 PM 10:30 AM 10:50 AM 9:00 AM 9:20 AM 8:00 AM 8:20 AM 6:00 AM 6:20 AM 5:00 AM 5:20 AM 2:00 AM 2:20 AM 12:00 AM 12:20 AM 11:00 PM 11:20 PM 9:00 PM 9:20 PM	0:20	Quantifying the Carbon Footprint of the Alouette Primary Aluminum Smelter. This keynote presentation will provide a detailed breakdown of the CO2 footprint of the Alouette smelter using a large body of primary emissions data including the anode and alumina supply chains.	Keynote Speech	Keynote Speaker • Les Edwards, Vice President Control and Technical Services, Rain Carbon Inc.
6:20 PM 7:00 PM 4:20 PM 5:00 PM 1:20 PM 2:00 PM 10:50 AM 11:30 AM 9:20 AM 10:00 AM 8:20 AM 9:00 AM 6:20 AM 7:00 AM 5:20 AM 6:00 AM 2:20 AM 3:00 AM 12:20 AM 1:00 AM 11:20 PM 12:00 AM 9:20 PM 10:00 PM	0:40	<ul style="list-style-type: none"> To deploy new technology we need to mainly consider: Capital, Operating cost, and Operational skills among others. Where do we stand on each? What are the implications in the real world? Will the performance be as good as it is being marketed? What is the transition from invention to commercial use? What are the timelines we are looking for? What do operations people need in order to get the best out of new technology? How to take technology to the next level in terms of efficiency, lean manufacturing, increase productivity and improve performance on initial results? Are processes and protocols in place for the next wave of R&D? How can academia and R&D take us to the next level of performance? What specializations are needed? Is academia in the loop as an active partner? Are they shaping the minds of future generations to lead the operations and address the needs of the industry? How can we deploy Industry 4.0 to help our industry reach our operational goals? The industry relies on Automation to eliminate mundane tasks as well as improve safety where operators are in the line of fire and the need for human intervention. Can we optimize Automation in new technologies? How to ensure that we can streamline supply chain and responsible sourcing? How to balance strategic supply imperatives with cost reduction, just-in-time sourcing and logistics for raw material? What else can procurement people do to maximize profitability? In terms of logistics, transportation, taxes, and supply versus demand? 	Panel Discussion	Moderator <ul style="list-style-type: none"> Dr. Mark Dorreen, Consultant on Energy Efficiency, Flexibility and Decarbonisation Across Energy Intensive Heavy Industries Panellists <ul style="list-style-type: none"> Johannes Aalbu, Vice President, Project Manager, Group Technology Office, Hydro Aluminium AS Najeeba Al Jabri, Vice President Technical, Midstream, Emirates Global Aluminium (EGA) Bibhu Mishra, President and Head Manufacturing Centre of Excellence, Hindalco Industries Limited at Aditya Birla Group Kamal Prakash, Director, Alcircle.Com Guo Pu, Director of International Business Dept., Guiyang Aluminum Magnesium Design & Research Institute Co.,Ltd. (GAMI) Dr. Barry Sadler, Managing Director, Net Carbon Consulting Pty Ltd

SESSION : Governance and Sustainability
When the Public Demands Answers How is aluminium making the world a better place?

8:00 PM 8:20 PM 6:00 PM 6:20 PM 3:00 PM 3:20 PM 12:30 PM 12:50 PM 11:00 AM 11:20 AM 10:00 AM 10:20 AM 8:00 AM 8:20 AM 7:00 AM 7:20 AM 4:00 AM 4:20 AM 2:00 AM 2:20 AM 1:00 AM 1:20 AM 11:00 PM 11:20 PM	0:20	From Bauxite mines and recycled aluminium right through to downstream, the industry must focus on issues such as climate, circularity and human rights. What are the challenges and opportunities for the industry with regards to these issues?	Keynote Speech	Keynote Speaker • Dr Fiona Solomon, Chief Executive Officer, The Aluminium Stewardship Initiative (ASI)
8:20 PM 9:00 PM 6:20 PM 7:00 PM 3:20 PM 4:00 PM 12:50 PM 1:30 PM 11:20 AM 12:00 PM 10:20 AM 11:00 AM 8:20 AM 9:00 AM 7:20 AM 8:00 AM 4:20 AM 5:00 AM 2:20 AM 3:00 AM 1:20 AM 2:00 AM 11:20 PM 12:00 AM	0:40	<ul style="list-style-type: none"> Our role as responsible corporate citizens: Are we making a difference? What needs to be reformed? Is the industry driving and educating the public about climate change and the need for recycling? Is the average consumer aware of the environmental issues in the aluminium industry? Are they aware of the industry striving to reduce and eliminate its carbon footprint? Or is there a gap between industry and the public perception or public awareness? If yes how can we breach the gap? The role of public communication and the importance to respond to public queries. Who's job is it? What is the role of the Media? How transparent can we be as an industry with the public? Will the average consumer contribute to a better environment by buying aluminium products? What do we need to do to contribute positively to the public? When the public wakes up and demands answers, are we ready and proud to say we have achieved optimum environmental goals in face of what the world expects from us? Are we doing enough in terms of cooperation and working for the common good or are we still working in silos? 	Panel Discussion	Moderator <ul style="list-style-type: none"> Rob Hounsome, Managing Director of SLR Consulting's group of companies in Africa Panellists <ul style="list-style-type: none"> Nadine Bloxsome, Editor & Content Director, Aluminium International Today (AIT) and Head of Membership and Sustainability at the Aluminium Federation (ALFED) Eline Helal, Director Investor Relations, Insurance & Corporate Secretary, Aluminium Bahrain (Alba) Halvor Molland, Senior Vice President Communication and Public Affairs, Norsk Hydro Dr Fiona Solomon, Chief Executive Officer, The Aluminium Stewardship Initiative (ASI)

SESSION : Energy
Wealth Flows from Energy and Ideas: The future is green energy. How does the aluminium industry get there?

9:00 PM 9:30 PM 7:00 PM 7:30 PM 4:00 PM 4:30 PM 2:00 PM 2:30 PM 12:00 PM 12:30 PM 11:00 AM 11:30 AM 9:00 AM 9:30 AM 8:00 AM 8:30 AM 5:00 AM 5:30 AM 3:00 AM 3:30 AM 2:00 AM 2:30 AM 12:00 AM 12:30 AM	0:30	The aluminium industry has never been afraid to build power plants to service aluminium smelters. There are countless examples throughout the history of the aluminium industry. Does the same still apply now and in the future? Previously it mattered less how the electricity was generated. Today we must consider renewable energy, hydroelectricity, nuclear energy and other breakthrough technologies. What will the future in energy investment look like in real terms?	Keynote Speech	Keynote Speakers • Professor Paul Stevens, Distinguished Fellow at Chatham House • Tim Murray, Chief Executive Officer of Cardinal Virtues Consulting
9:30 PM 10:15 PM 7:30 PM 8:15 PM 4:30 PM 5:15 PM 2:00 PM 2:45 PM 12:30 PM 1:15 PM 11:30 AM 12:15 PM 9:30 AM 10:15 AM 8:30 AM 9:15 AM 5:30 AM 6:15 AM 3:30 AM 4:15 AM 2:30 AM 3:15 AM 12:30 AM 1:15 AM	0:45	<p>The world needs to act on climate change. The aluminium industry generates around 1.1 billion tons of CO2 emissions per year constituting 1% of the total global caused CO2 emissions. Our industry must do our part to reduce our carbon footprint and improve the world's fight against climate change. We need to reboot commitments and actions to meet the needs of the environment. We especially need to re-evaluate our energy supply.</p> <ul style="list-style-type: none"> How can we achieve the 80% reduction in emissions that we need? How many shades of green are there in Aluminium? What's the challenges and opportunities for Hydroelectricity, Wind and Solar energy? What about Nuclear Energy? is it classified as green energy? is it a potential? How is uranium waste safely disposed? What about other inventions and new breakthrough solutions? Like large scale storage batteries farms and facilities? Do governments recognise the value in allocating scarce energy resources to aluminium? Until we reach our utopia of zero environmental impact, what can we do with our current technology? What other new technologies do we need to develop? 	Panel Discussion	Moderator <ul style="list-style-type: none"> Dr. Mark Dorreen, Consultant on Energy Efficiency, Flexibility and Decarbonisation Across Energy Intensive Heavy Industries Panellists <ul style="list-style-type: none"> Chris Bayliss, Aluminium Stewardship Initiative (ASI), Director of Standards Guillaume de Goys, Chief Operating Officer, Aluminium Dunkerque and Chairman of Aluminium France Henry Sanderson, Executive Editor, Benchmark Mineral Intelligence Professor Paul Stevens, Distinguished Fellow at Chatham House Max Wiestner, Industry Manager, ABB

SESSION : Downstream and End User Cut to the Chase: Is aluminium the solution that we think it is?													
10:30 PM	10:50 PM	8:30 PM	8:50 PM	5:30 PM	5:50 PM	3:00 PM	3:20 PM	1:30 PM	1:50 PM	0:20	<ul style="list-style-type: none"> The IAI outlook for 2050 is that the world will need 150M tons of aluminium, including one third of which should come from recycled metal. The global demand and supply balance of green aluminium. 	Keynote Speech	Keynote Speaker <ul style="list-style-type: none"> Miles Prosser, Secretary General, International Aluminium Institute (IAI)
10:50 PM	11:30 PM	8:50 PM	9:30 PM	5:50 PM	6:30 PM	4:00 PM	4:00 PM	1:50 PM	2:30 PM	0:40	<ul style="list-style-type: none"> The world's current production stands at almost 70M Tons of primary aluminium metal. How can we get to 150MT? How can we get there using secondary aluminium metal? We need to drastically increase our recycling volume, but is this achievable in reality? The demand versus supply for green aluminium is imbalanced. Will the world be able to source enough metal at zero or near-zero emissions? What is happening with the semi-finished and the finished products markets? What is happening with extrusion products? Rolling mills? Car manufacturers' scrap recycling systems are thriving in Thailand and in Malaysia - What can South East Asia teach the rest of the world about scrap recycling? What are the plans that can help further improve scrap and recycling in these countries? Indonesia, Malaysia, Thailand and Vietnam markets are quickly developing downstream ultra-modern industries. Is China under threat from the growing industries in South East Asia? Can we create the right balance between supply and demand? make it a win-win for everyone? What do consumers need? Is aluminium really the metal of the future? What about other substitutes? Steel, Copper, Plastic, Carbon Fibre? Is aluminium a threat or threatened? Any other industries that can replace aluminium in its pursuit of sustainability? What downstream products are needed? Do we need to relook at the applications? increase the range? replace other metals? 	Panel Discussion	Moderator <ul style="list-style-type: none"> Torbjörn Sternsjö, Senior Advisor to the Chief Executive Officer of Gränges Panelists <ul style="list-style-type: none"> Catherine Athènes, Vice President Group Sustainability and Public Affairs Europe, Constellium Amit Lahoti, Senior Commercial Director and General Manager - Asia, Ball Beverage Packaging Miles Prosser, Secretary General, International Aluminium Institute (IAI)
SESSION : South Asia & Beyond Is the Grass Greener in South Asia: Is South Asia emerging to become the new China? Where are other emerging powers on the industry map? How is Asia addressing the green aluminium challenge?													
12:00 AM	1:00 AM	10:00 PM	11:00 PM	7:00 PM	8:00 PM	4:30 PM	5:30 PM	3:00 PM	4:00 PM	1:00	<p>Showcasing individual companies from around the region. We will look at their approach to green aluminium, sustainability and the growth opportunities in South East Asia, and beyond.</p>	Interviews	Moderator <ul style="list-style-type: none"> Paul Adkins, Managing Director and Founder, AZ Global Consulting Speakers <ul style="list-style-type: none"> Artem Asatur, Co-chair of the Russian Aluminium Association
Thursday 10 November 2022													
SESSION : Green Coke and Carbon Do Oil Refineries Care? Green petroleum coke market future scope													
6:00 PM	6:20 PM	4:00 PM	4:20 PM	1:00 PM	1:20 PM	10:50 AM	10:50 AM	9:00 AM	9:20 AM	0:20	<p>Petcoke being a waste by-product of oil refining, what are oil refineries plans for the future? Are they going to be running at the same rate or more in the future? Are there any technology developments at the refineries that will take them away from making petcoke? Are the needs of the aluminium industry being considered? Will supply and demand be balanced? Or will there be a gap in the speed of adoption in the face of technical limitations?</p>	Keynote Speech	Keynote Speaker <ul style="list-style-type: none"> Robert Campbell, Head of Energy Transition Research, Energy Aspects
6:20 PM	7:00 PM	4:20 PM	5:00 PM	1:20 PM	2:00 PM	11:30 AM	9:20 AM	10:00 AM	10:00 AM	0:40	<ul style="list-style-type: none"> The price of oil has been tracking like a roller coaster this year. What are the long term risks for these price spikes? How is it affecting the world's economy? What is the short term and long term outlook? What are oil refineries' plans for the future? Will there be a shift? what are the new trends? Are they temporary moves or permanent? What is the amount of crude oil processed and products made worldwide? What will Russia's role be in the market in the future? China? Iran? India? Will supply and demand be balanced? Or will there be a gap in the speed of adoption in the face of technical limitations? What are the new technology developments affecting petcoke? What will happen to the oil refining industry in the face of electric vehicles purchases increase reducing the need for car fuel, and climate change efforts to use alternatives energy sources? As electric and hydrogen powered trucks take over our logistics chains, and demand for diesel slips, how will this affect our industry? What is the role of the independent refineries in China as the largest supplier of anode grade green coke to the world market? Where will the green coke come from? 	Panel Discussion	Panelists <ul style="list-style-type: none"> Esam Mansoor Jassim Marhoon Mohamed, Senior Manager Strategic Supply, Emirates Global Aluminium (EGA) Clyde Russell, Asia Commodities and Energy Columnist, Thomson Reuters June Wang, Director and Business Manager Carbon and Raw Material, AZ Global Consulting
SESSION : The Bottom of the Pot The Low Hanging Fruits: How can we reduce the carbon footprint with the current technology?													
7:30 PM	8:00 PM	5:30 PM	6:00 PM	2:30 PM	3:00 PM	12:30 PM	10:30 AM	11:00 AM	11:00 PM	0:30	<p>While the world is waiting for the inert anode, we are still relying on carbon cathodes and anodes.</p> <ul style="list-style-type: none"> Are there any innovations to extend the life of the pot? What are the next developments in Cathode Technology? Would changing the design of the anode affect the lifespan of a cathode? Is the bottom of the pot being relooked at? 	Fireside Chat	<ul style="list-style-type: none"> Paul Adkins, Managing Director and Founder, AZ Global Consulting Piotr Jaskierski, Vice President Sales Marketing, Tokai Cobex

