

المؤتمر الدولي حول تأثير النشاط البشري على الحق في بيئة صحية وملائمة: الممارسات والتحديات والحلول

The International Conference on The Impact of Human Activity on The Right to a Healthy and Adequate Environment: **Practices, Challenges and Solutions**

الأربعاء 6 سبتمبر 2023 | Wednesday 6th September 2023



Working paper

Environment Social Governance Roadmap

Presented by: Mr. Clint McLachlan. Director ESG, **Bahrain Aluminum Company (ALBA)**











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ربعاء 6 سبتمبر 2023 | Singdom of Bahrain وبعاء 1028 (Kingdom of Bahrain





Environment Social Governance

Roadmap

06 September 2023





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المنيوم البحرين ش.م.ب. (البا) (Aba) المنيوم البحرين ش.م.ب.

Alba General Facts





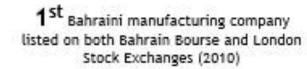
- o Global Primary Aluminium Producer
- 50 + years of Employment and Economic Contribution
- We market our products to 50+ countries and 240+ customers



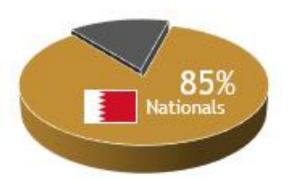




Ownership Structure



Alba's Workforce



Total # of Employees 3,146



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عاء 6 سبتمبر 2023 | Wednesday 6⁶ September 2023 | 2023 معاء 6 سبتمبر 3023 | Kingdom of Bahrain







النيوم البحرين ش.م ميد (اليا) (اليا) Ahmmum Bahrum B.C. (Alba)

Responding to the 'Call to Action'

GOVERNMENT

HRH the Crown Prince and Prime Minister announced at COP26 an emission reduction target of 30% by 2035, and a Net Zero commitment by 2060.

ALBA

Endorse Bahrain's call to action; by committing to ESG strategy and Net Zero Roadmap development as technologies mature and become commercially viable.





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المنيوم البحرين ش.م.ب. (البا) (البا) Aluminium Bahrain B.S.C. (Alba)

Developing the Alba ESG and Sustainability Roadmap Priorities

- In 2021, Alba committed to building a comprehensive ESG Roadmap
- > There are 6 key ESG priorities (with a focus on GHG reduction)
- The need for improvements in ESG and Sustainability is driven largely by:
 - > EU's emerging carbon border adjustment mechanism (CBAM)
 - Bahrain national commitment to 30% emission reduction by 2035
 - ➤ Bahrain national commitment to be net zero-carbon by 2060
 - Increasing customer demands for Lower Carbon or Greener aluminum
- > The roadmap was developed over six months of consultation through
 - > Assessing customer needs customer interviews
 - Analyzing market regulations IAI support taken
 - Benchmarking industry peer sustainability efforts
 - Capturing Alba management perspectives and creating alignment



Decarbonization



GHG Priorities

Stakeholder Priorities

Green Energy & Aluminum



Circular Economy & Secondary Aluminum



Employee Welfare



Collaboration & Partnership



Transparency, Communications & Due Diligence



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Provides Challenges and Solutions

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المنيوم البحرين ش.م.ب. (البا) (Aluminium Bahrain B.S.C. (Alba)

Breakdown of the Roadmap Priorities into Initiatives

Energy Management System (EMS) Decarbonization Power Station Efficiency **GHG** Priorities Afforestation & Reforestation Inert Anode Technology **(4)** Hydrogen Green Energy & Aluminum Carbon Capture & Storage (CC&S) Carbon Offsets Circular Economy & دیک On-Site Solar Secondary Aluminum Government Collaboration - Renewable Energy PPA Securing Recycled Materials Ė Employee Welfare Stakeholder Priorities Professional Development Securing Recycled Infrastructure Employee Satisfaction Assessment Partnership with International Recycler Community ESG Training Collaboration & Partnership Equal Opportunity Employment ******* Green Financing Transparency, Communications & Due University Collaboration Diligence Website Updates ESG Due Diligence

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