

Industrial Investment Opportunities







Secondary Aluminum

Secondary aluminum is produced in the form of green billets through the collection, sorting, melting, and casting of aluminum scrap

2032

Investment case

- Setup a large-scale aluminum scrap recycling facility in the UAE
- Investment size = AED 431.2Mn
- Plant capacity = 140,000T per year
- Expected IRR = 21%
- Expected NPV = AED 326.15Mn



2027

2022

Global trends & demand drivers

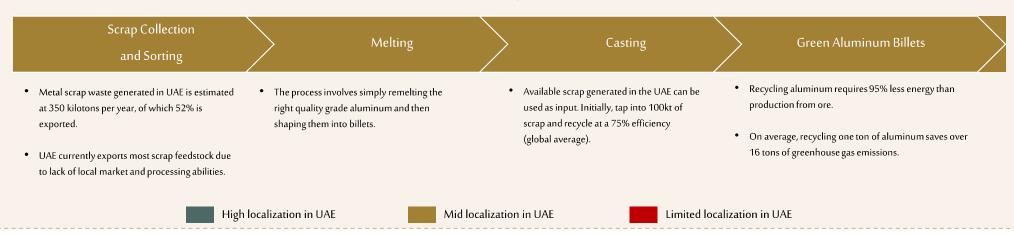
- Globally, aluminum is one of the most profitable materials to recycle and has achieved higher recycling rates due to government's focus on energy savings and reducing wastage.
- Plans of imposing taxes on carbon emissions due to the impact of climate change led to increased demand for aluminum Scrap. Recycling scrap to produce aluminum is much less energy intensive (-95%).
- Global Supply chain disruptions have made access to
 Aluminum raw materials (Bauxite) difficult, inconsistent
 and costly. Aluminum producers look to reduce
 dependency on importing raw materials and instead tap
 into locally generated scrap as a source of feedstock.



Secondary Aluminum



Value Chain Analysis



Value proposition

- UAE produces approximately 2.2 million metric tons of aluminium per year, amounting to almost 4% of global aluminium production
- UAE currently exports a minimum of 180kt/yr worth of aluminium scrap and waste. A source of feedstock that can be
 unlocked for local recycling plants
- Phase 1:
 - 100kt/yr of aluminium scrap capacity
 - · Laws & regulations limiting exports and supporting local use of scrap
- Phase 2: (After 5 years)
 - Increase plant capacity to 140kt/yr

Enabling Entities

- KIZAD: Upstream and Downstream anchors are situated in KIZAD which creates a suitable ecosystem for an aluminum recycling facility
- Khalifa Port: Facilitates companies exporting revenue stream and helps position it as a regional and international player
- EDB: Competitive debt pricing will help lower WACC and in return improve Internal Rate of Return and pay back period
- EGA: Potential offtake by EGA
- MoIAT: Stop the export of aluminum scrap and the leakage of aluminum waste outside the UAE