

GCC AL Scrap Research



OBJECTIVES

■ The objective of the project is to assist clients in understanding the supply structure and pricing mechanisms of GCC aluminum market, and to provide professional third-party advice for clients' local layout of recycled alloy projects, combining forecasted data.

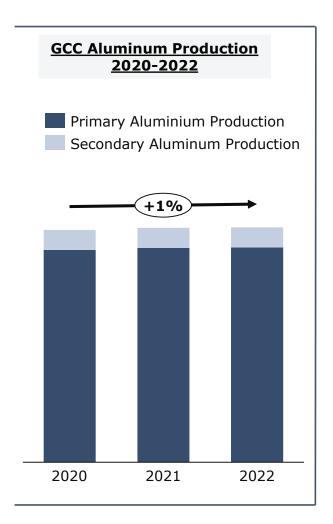
PROCESS

- Methodology
 - Mapping out local primary aluminum production
 - In-depth analysis of exporting business by casthouse type
 - Establishment of scrap generation model and conduct primary research
 - Determination of the trading flow of AL scrap within and outside of the GCC region
- Sample Size
 - Traders & Dismantler (20), Fabricators (2), Institution (1)
- Project Time
 - ► 6 weeks

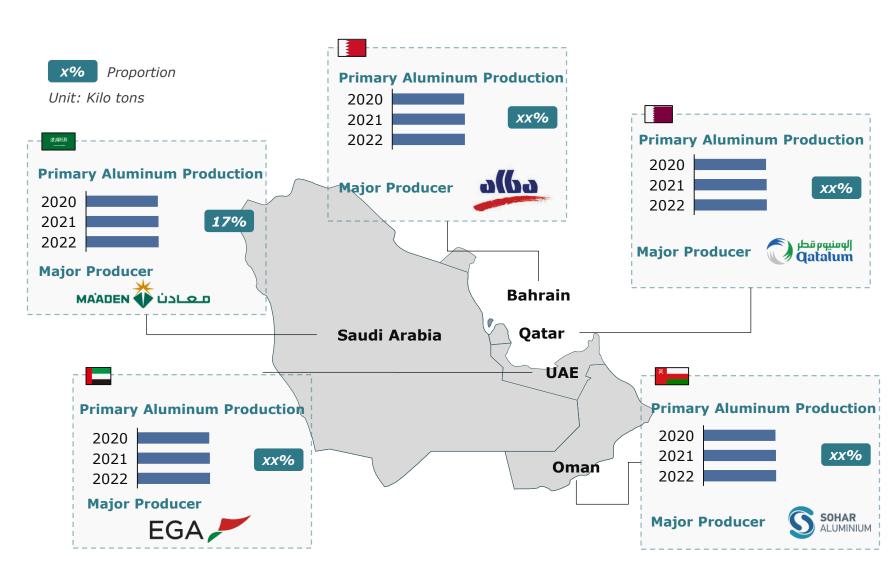
DELIVERABLES

- Aluminum market transparency
 - Primary market
 - Secondary market
- Scrap generation modeling
 - By industry: construction, transportation, packaging, consumer durable, electrical and others
 - By scrap type: old & new
- Aluminum element balance forecast up to 2050E
- Long-list of dismantlers with basic information regarding city, contact information, capacity, production, key customer type and type of aluminum scrap

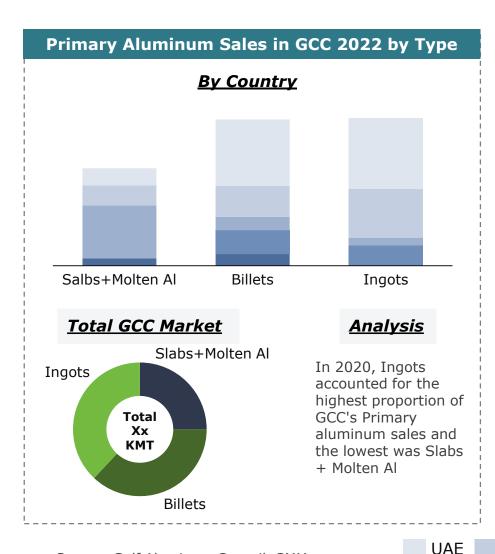
GCC Aluminum Production Map

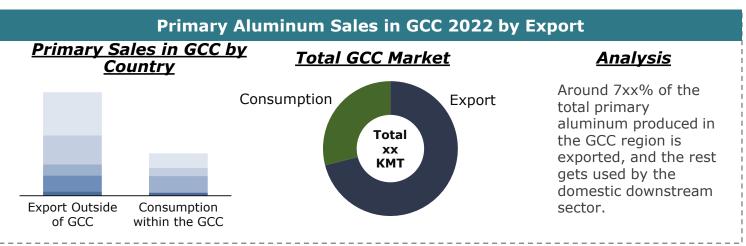


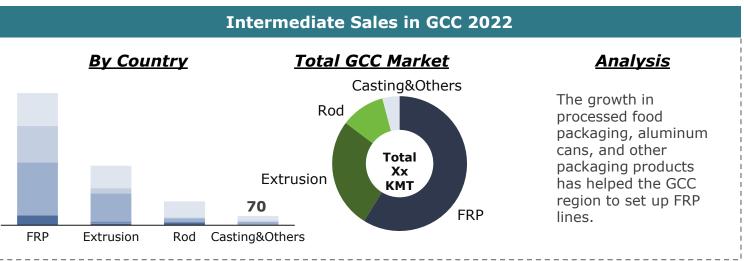
Source: Gulf Aluminum Council, SMM



Primary Aluminum Sales in GCC





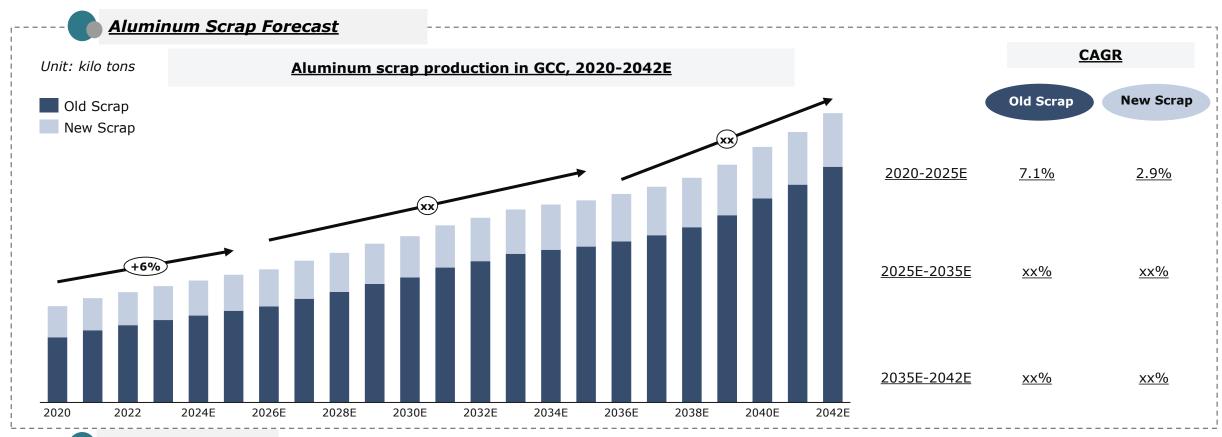


Bahrain Saudi Arabia Oatar Oman

Source: Gulf Aluminum Council, SMM

GC

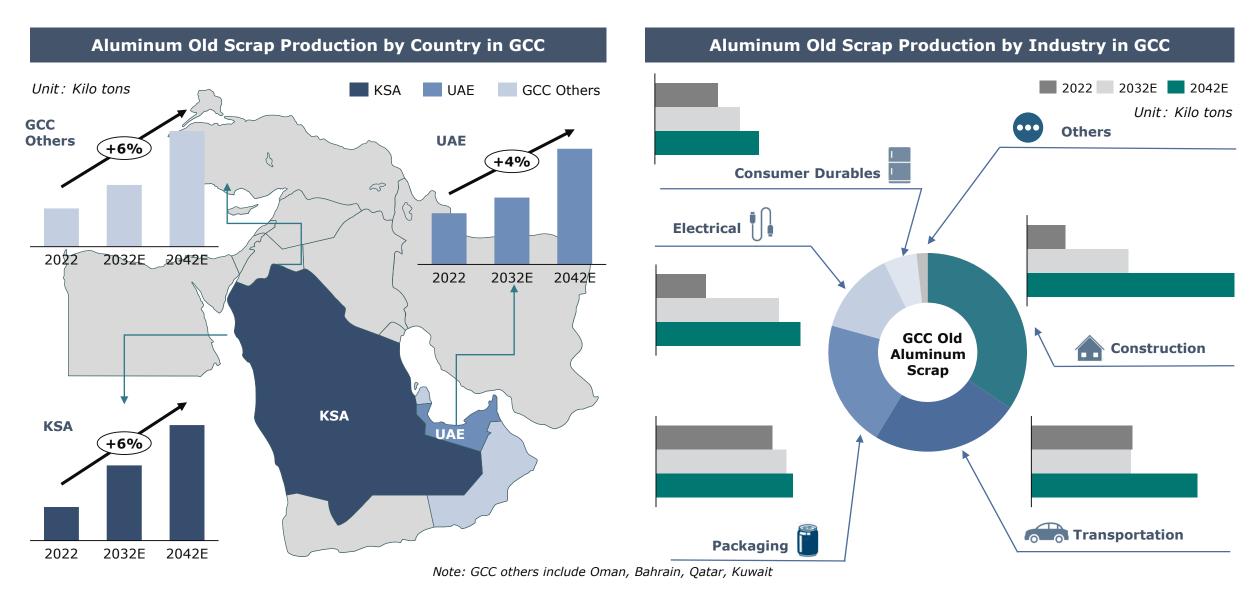
GCC Aluminum Scrap Forecast



Forecast Analysis

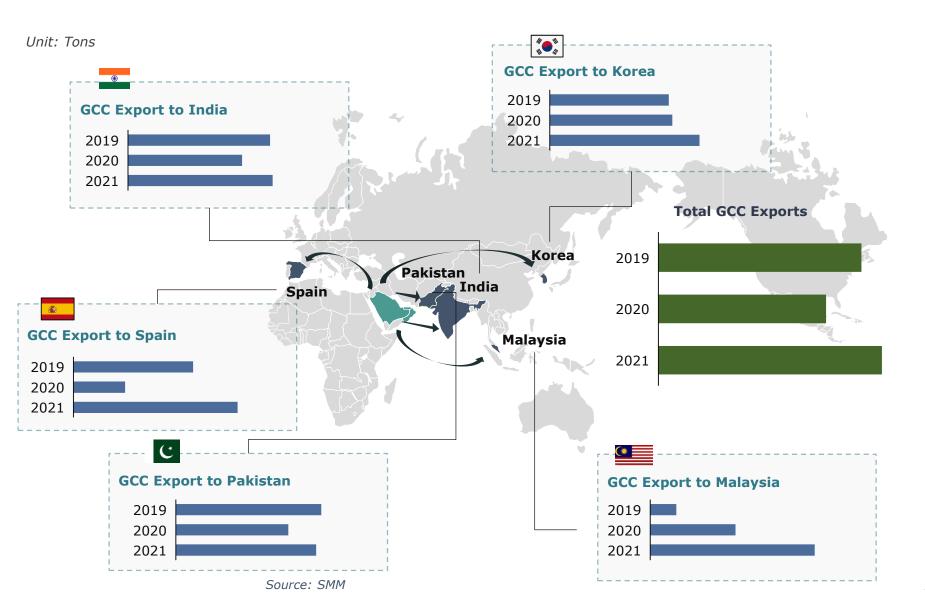
- 2020-2042, the production of scrap aluminum in GCC generally shows a **steady upward trend**, and after 2035, as more and more aluminum products reach the end-of-life cycle, the growth rate of scrap aluminum production will further increase, reaching 6%.
- The growth rate of old aluminum scrap production is significantly higher than the growth rate of new scrap. Due to the **continuous improvement of the recycling system** in the GCC region, the amount of old aluminum scrap will grow rapidly.

GCC Aluminum Old Scrap Production





GCC Aluminum Scrap Export Map (Top 5 countries)

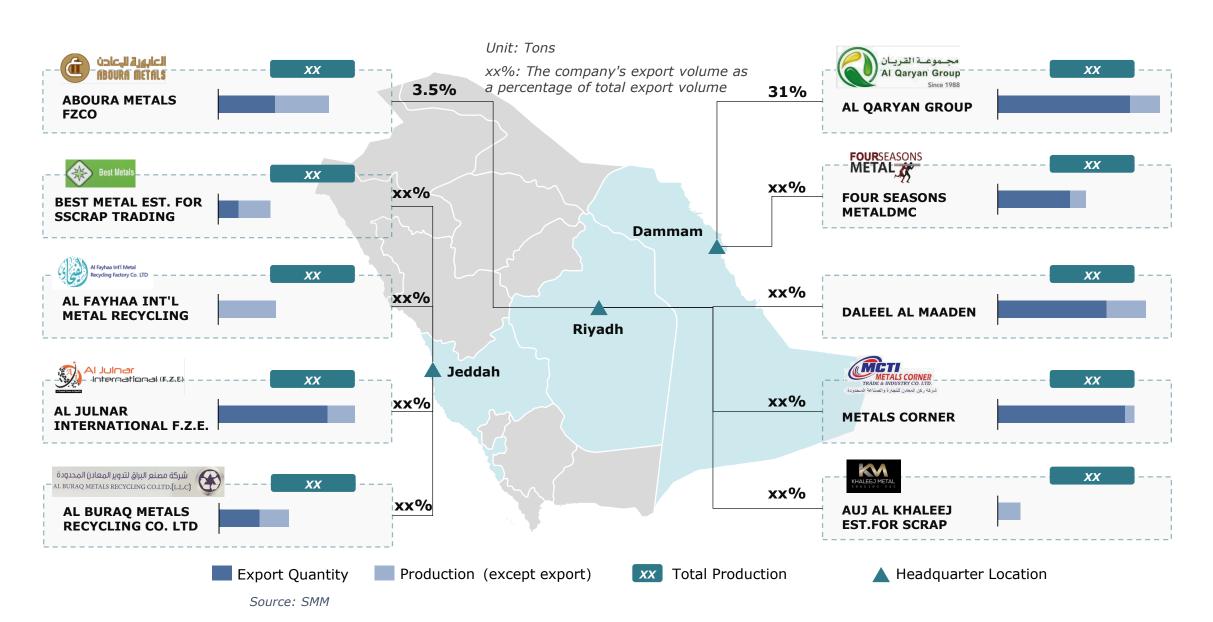


Key Findings

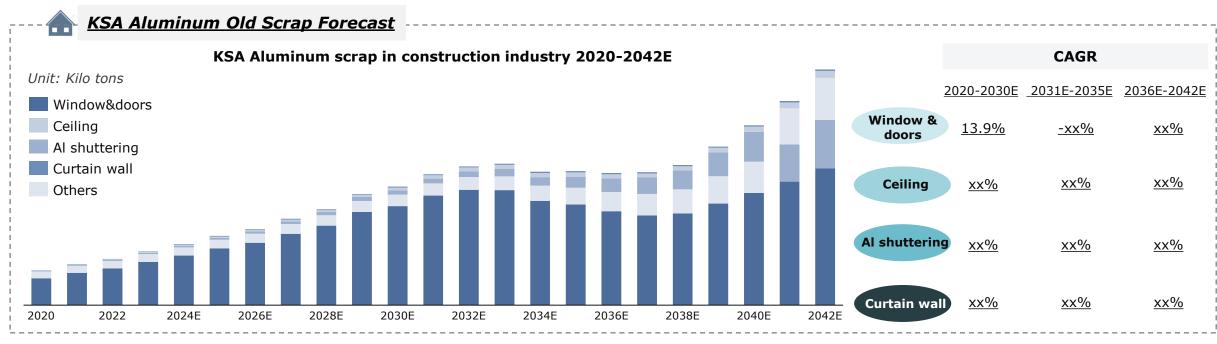
- In 2020, due to the impact
 of the COVID, the scrap
 demand of some
 destination countries drop,
 and the export volume of
 scrap aluminum from GCC
 also decreased.
- The distance between India and the GCC region is relatively close, the cost of sea transportation is low, therefore its import volume of scrap aluminum is large. South Korea, as a large industrial country, mainly relies on external raw materials, also imports a large volume of scrap aluminum from GCC.

Source: SMM, ITC, UN Comtrade

KSA Aluminum Scrap Export Map by Companies (2021)



KSA Aluminum Scrap in Construction Industry







Forecast Analysis

- Since old scrap aluminum in the construction industry are mainly derived from aluminum doors and windows, the overall trend in the construction industry is largely consistent with doors and windows.
- Saudi Arabia's proposed xx plan will provide a boost to the construction industry, and scrap aluminum will increase.

Aluminum Old Scrap Production in Different Collection Rate

