









Disclaimer

This report was prepared by CBA, based on market analysis and the Company's own assessments, and may include statements representing expectations about future events or results and may not consider all aspects impacting the industry.

Future considerations substantially depend on general economic, political, and trade conditions in Brazil and global markets, as well as existing and future government regulations, among other factors.

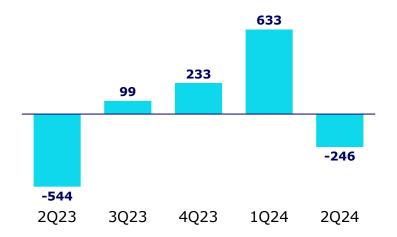
Operational data may affect CBA's future performance and may lead to results that materially differ from those expressed in such future considerations.

The information herein may be rounded or contain variations with updates from third-party information.

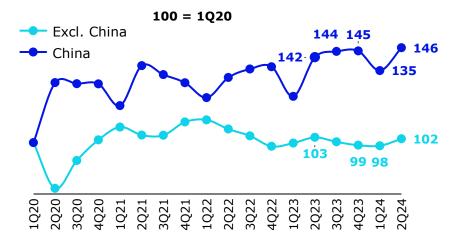
The Company does not assume any obligation to update any forecasts, which are only meaningful as of the date they were made.

After a seasonal decline in 1Q24, demand recovery Q cba generates a deficit balance in 2Q24

Global Balance¹ (kt) – Supply vs. Demand



Primary Aluminum Demand



¹ Balance adjusted with primary Aluminum exports and imports

Demand recovery in 2Q24 caused the aluminum market to return to a deficit level, which had not occurred since 2Q23.

Demand in China reached the highest level in recent years, despite concerns about the country's macroeconomic performance. In the rest of the world, demand also accelerated, in line with the level of 2Q23.



Increased demand and a deficit balance reduced inventories in days of consumption in 2Q24



Global stocks in days of consumption¹

Impacted by the deficit market and higher demand, stocks in days of consumption decreased to 51 days, close to the equilibrium level.

LME and SHFE exchange stocks (kt)

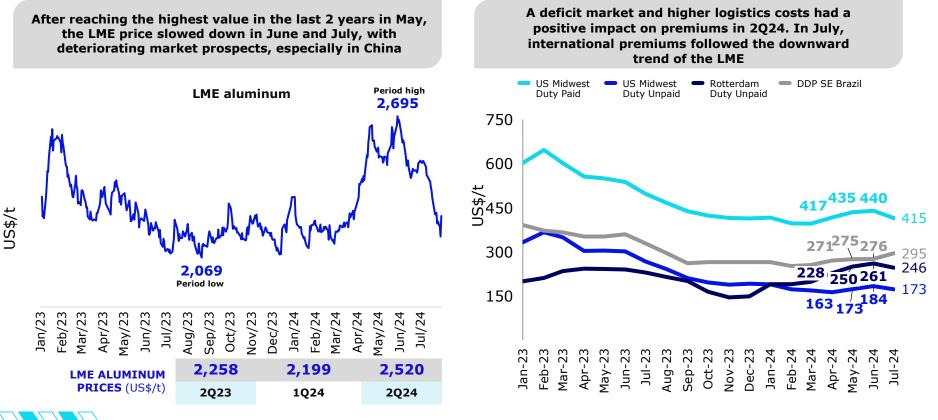


In May, a metal influx caused the official stocks (LME + SHFE) to reach a level above 1Mt for the first time since 4Q21. This material was previously in non-official stocks² and was placed in the LME by a market trader.



Source: CRU Aluminum Market Outlook Jul 2024, CRU Aluminum Monitor (Jul 2024) and company analysis. Note: Historical figures tend to vary depending on the supply & demand model updates made by CRU consulting ¹ Days of consumption = total stocks/(period demand/period days) | ² Non-official stocks: total stocks (-) LME (-) SHFE cba

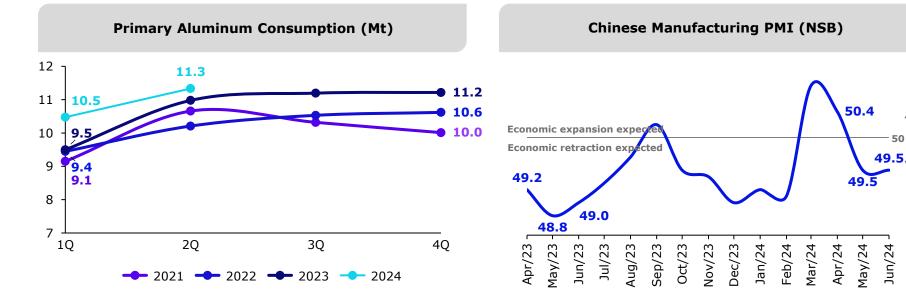
Improved fundamentals boosted the LME in 2Q24, but Ocba a worsening scenario caused the LME to decline in July



Source: Bloomberg, CRU Aluminum Market Monitor Jul 2024, S&P Platts and company analysis

++++++

Aluminum consumption in China remains at high levels in 2Q24, despite the PMI decline

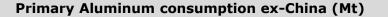


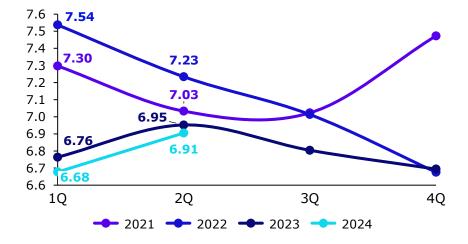
Aluminum consumption in China reached the highest level in recent years in 2Q24, even as the country faces macroeconomic challenges; government incentives and energy transition supported growth. After remaining in expansion for two months, China's manufacturing PMI declined. However, it is still at higher levels than the same period last year.

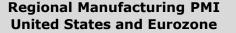
Sources: CRU Aluminum Market Outlook Jul 2024, CRU Aluminum Monitor Jul 2024 and company analysis.

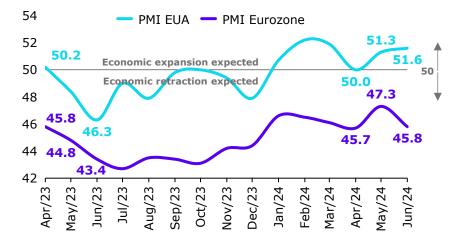
🖸 cba

Demand in the rest of the world remains at low levels, Ocba but the PMI indicates a possible recovery in the US



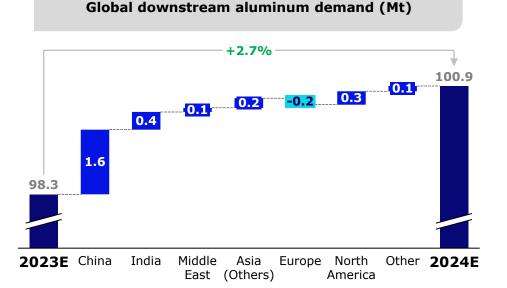






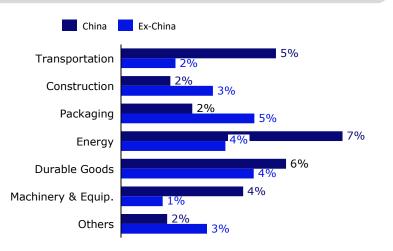
Demand in the rest of the world remains at levels similar to 2023. Historically, the summer months in the northern hemisphere negatively impact the indicator, so a recovery is expected towards the end of the year The US manufacturing PMI has remained above the economic expansion line for 6 consecutive months. In Europe, although still below the expansion line, the regional PMI level is higher than that seen in 2023.

Improved conditions are expected to boost demand () cba in 2024 in most regions



After a slowdown in demand in some regions in 2023, a recovery is expected in 2024, mainly driven by China's recovery, which is expected to rise despite concerns about the real estate and construction sectors, which may cause fluctuations in the indicator throughout the year

Aluminum downstream demand growth in 2024 by segment (% YoY)

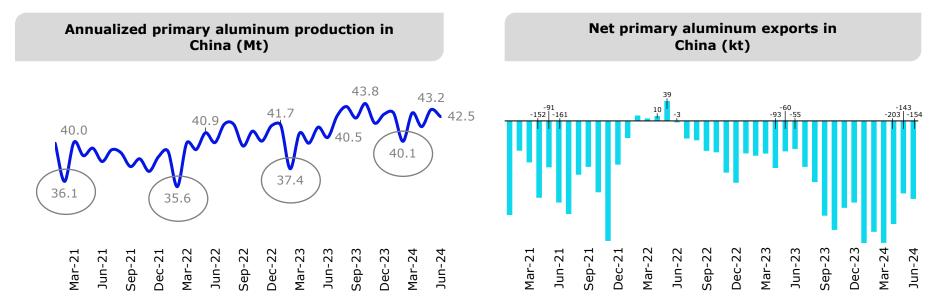


Increased investments in energy transition in China are one of the main drivers of demand during the year. In the rest of the world, a recovery in all sectors is expected

Source: CRU Aluminum Market Outlook Jul 2024 and company analysis

* * * * * * *

Yunnan has fully restarted its capacity, imports remain high in China



Despite announcing the return of only half of the capacity closed in November in Yunnan, the province is operating at full capacity. The recurrence of these closures in recent years indicates that this may happen again towards the end of 2024. Despite slower momentum compared to 1Q24, China remained a net importer in 2Q24. Compared to the same period in recent years, the indicator remained above average.



++++++++

cba

Brazil: demand remains consistent in 2Q24 and shows an increase compared to 2Q23

Highlight for sales of road implements, due to the new technology Euro 6 and the increase in sales of trucks with 4th axis, boosting the aluminum sheet market.

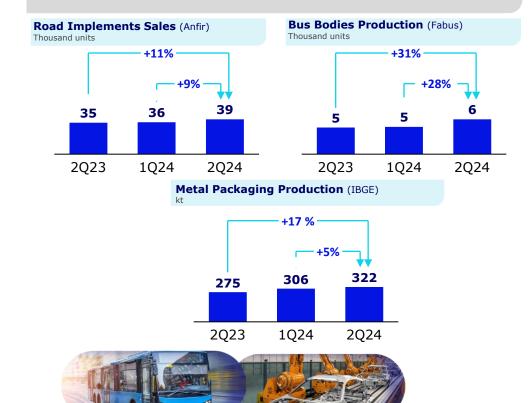
Bus Bodies production showed good results in 2Q24 (sheet), reflecting advance of Government program "Caminhos da Escola".

Metal packaging production continues to grow in 2Q24. The shortage of 2023 inventories and increasing demand are resulting in a better market to foil.

Aluminum cables market continues with positive and consistent demand.

Domestic premium increased, following the trend of international premiums, but still below 2Q23 levels.

Brazil DDP SE ¹ Premium ¹ (US\$/t)	352	257	274
	2Q23	1Q24	2Q24

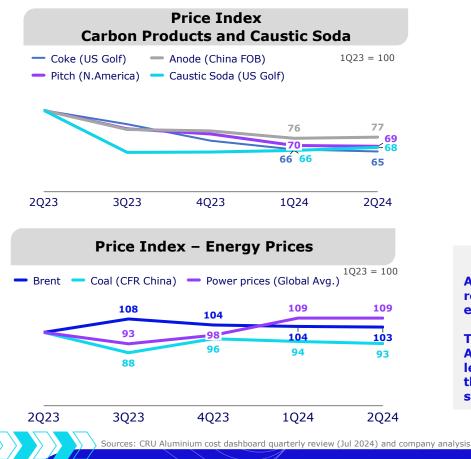


Sectorial Indexes

cba

¹ Brazil DDP SE: refering to product P1020 – standard ingot, sow e T-bars Souces: Premium *DDP - S&P Global Platts*, sources aforementioned and company analysis

Prices of raw materials stabilized, and alumina surged due to production disruption in Australia



Alumina Prices (US\$/t)



After a downward trend, main raw materials remained stable in 2Q24, as did the prices of electricity, coal and Brent oil.

The closure of capacity due to force majeure in Australia caused concern in the alumina market, leading to an increase compared to 1Q24. Recently, the situation has normalized, and prices have stabilized.

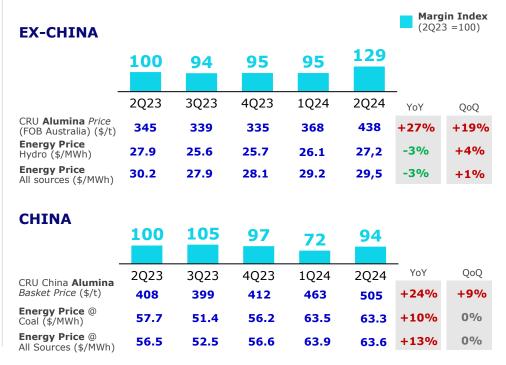


Despite the increase in alumina prices, producers worldwide saw margin gains compared to 1Q24

The rise in the dollar favors CBA, which continued on the path of a more competitive cost in the industry cash cost curve in 2Q24.

Liquid Aluminum Cash Cost 1024

CRU Liquid Metal Cost (US\$/t) 3,500 3,000 Avg. LME 2024 US\$2,520t 2,500 🖸 cba 1/\$2,000 1,500 1,000 500 %0 25% 50% 75% 100% Despite the higher price of alumina, producers worldwide saw an increase in their margins compared to 1Q24. In China, although margins improved compared to the previous quarter, the level is below the same period last year.



Source: CRU Aluminium cost dashboard quarterly review (Jul 2024), CRU Aluminum Smelter Cost Model Q1 2024 and company analysis

cba



Market Dynamics



OPPORTUNITIES

- ✓ Chinese commitment to capacity cap may offer opportunities for the aluminum industry
- ✓ Improved market outlook in 2025 should have a positive impact on LME aluminum prices and premiums
- Aluminum imports are expected to fall in the second half of 2024 due to rising freight costs and logistical delays for products coming from Asia to Brazil

IMPORTANT CONSIDERATIONS

- \checkmark Geopolitical and trade conflicts influencing industry dynamics
- \checkmark Slowdown in the real estate and construction sectors in China
- \checkmark Yunnan has resumed full capacity but may face new closures at the end of the year, a period of lower water flow
- \checkmark Vehicle exports from Brazil are expected to remain low due to the cooling of the market in South America





Key Takeaways



Aluminum LME prices increased sharply in 2Q24 due to improved macroeconomic prospects. The recent decline is due to a slowdown in demand, with recovery expected by the end of the year.

Demand in China recovered in 2Q24, but weakness in the real estate and construction sectors could slow the indicator in the coming months.

The province of Yunnan has returned to full capacity, but the recurring shutdowns in recent years may happen again at the end of 2024.

Sales of road implements achieved strong results in 2Q24, driven by the Euro 6 technology and increased sales of trucks with 4th axis, boosting the aluminum sheet market.

Metal packaging production performed well for the second consecutive quarter in 2024, driven by the reduction of 2023 inventories and the increasing demand for foils.