

# KLABIN

## Investor Day 2024: Time to reap the harvest!

LatAm Pulp & Paper

### Main Takeaways:

We assess that the company **will start to reap the rewards of the growth projects** in which it has invested, including: **(i)** a more intense shift next year of PM28 production volume to Paperboard instead of Kraftliner, with LPB homologation scheduled for 1Q25, generating an increase in realized price due to the higher added value; **(ii)** completion of the PM27 and PM28 ramp-ups in 2025, and **(iii)** improved sales mix and greater conversion optionality for corrugated boxes with the Figueira Project. In addition, we highlight the **(iv)** reduction in costs on a real basis (discounting inflation), with **new guidance** for **total cash COGS**, including stoppages, being placed at **R\$3.1-3.2 thousand/t** for **24E** and **25E** in their nominal values, basically flat vs. 2023. In addition, the company updated **(v)** **CAPEX curve**, putting the **guidance** at **R\$3.3bn 25E** (flat y/y), so that, even adding +R\$800mn for the application of a new boiler at Monte Alegre (PR), the level of expenditure would be stable vs. 2024, and with a **reduction of -12%** for **26E**. Also, management emphasized the **(vi)** commitment to **deleveraging**, as the company cashes in on the **Plateau Project** and achieves an increase in EBITDA, reducing the indicator to **3x Net Debt/EBITDA 25E** (according to our calculations) vs. 3.9x in 3Q24. **(vii)** With the company well positioned in a market momentum and with solid fundamentals, we reiterate our **BUY rating**, given an **EV/EBITDA 25E of 6.5x** (below the historical average of ~7x), with a **12M Target Price** of **R\$27.00**, indicating an **upside** of **+16.63%**.

Yesterday, **December 10**, we attended the Klabin's **Investor Day 2024**, which took place at the new corrugated boxes unit in Piracicaba II (SP), commonly known as the **Figueira Project**, following the **conclusion of the plant's ramp-up**, which began in April. The **event gave us a positive outlook**, with Mr. Cristiano Teixeira (CEO), Mr. Marcos Ivo (CFO) and Mr. Douglas Dalmasi (Packaging Commercial Director) highlighting notorious growth levers for the company's future.

The main **points discussed during the presentation** were: **(i)** focus on BSKP and fluff as a strategic portfolio; **(ii)** strong emphasis on deleveraging and FCF generation with policy updates announced at the end of October, bringing more security in the capital allocation; **(iii)** favorable momentum, with the conclusion of major projects and good prospects for prices and market growth; **(iv)** competitive positioning of the company considering COGS/t, with no negative impacts from the upward movement in the USD/BRL exchange rate (neutral effect on costs).

In line with what we have said about Klabin since our IoC, we believe that the **verticalization strategy is indeed rewarding**, by mitigating cyclical impacts attributed to players that are very exposed to market pulp.

### Analysts

#### Igor Guedes

+55 (11) 3206-8286  
igor.guedes@genial.com.vc

#### Luca Vello

+55 (11) 3206-1457  
luca.vello@genial.com.vc

#### Isabelle Casaca

+55 (11) 3206-8244  
isabelle.casaca@genial.com.vc

### Company

#### KLBN11 BZ Equity

Buy

**Price:** R\$ 23.15 (10-Dec-2024)

**Target Price 12M:** R\$ 27.00

At the same time, we observed a **(v)** reinforcement of the diversification strategy by management, quoting that Klabin is dividing its operations into 1/3 net revenue from market pulp, 1/3 from packaging, 1/3 from paper sales.

## Investor Day 2024: In detail!

**The big bet on softwood.** At various points during the event, the company reinforced its strong commitment to softwood (BSKP) as a portfolio for the future, identifying great opportunities for expansion in this market. In our view, this decision is both an opportunity and a necessity, since Klabin would not be able to compete for leadership in the hardwood market. It doesn't sound much of a choice, but it's an interesting decision, because by focusing on BSKP, the company is able to move away from a more commoditized model, offering more customized downstream products with greater added value, as well as ensuring greater predictability in cash flow generation by not depending so much on price fluctuations, like other players in the market.

To this end, Klabin is also looking for opportunities in southern Brazil to expand its pine plantation areas. The Plateau project, which is currently being processed by CADE and is expected to close in 1Q25, should contribute to the supply of timber inputs in the short to medium term.

**Fiber-to-fiber and the fluff market.** To compensate for a greater exposure to BSKP despite having its assets in a tropical country, the company has also focused on the fiber-to-fiber process, developing a unique product basically composed by BHKP, the Eukaliner, which serves to produce corrugated boxes with cost competitiveness, reduced grammage and print quality without giving up strength. In addition, the company was very optimistic about the fluff market, which is geared towards the production of geriatric and children's diapers, as well as other hygiene items, identifying opportunities for greater penetration in this niche, which is expected to grow with **(i)** the aging of the global population and **(ii)** the increase in income in various regions around the world, which directly boosts domestic demand.

**New leverage policies in the investment cycle.** During the event, Mr. Ivo recalled that at the end of October, the company updated its financial debt policy, maintaining the **leverage target** of **2.5-3.5x** Net Debt/EBITDA, but **adding metrics** rigorously linked to **period differentiations** (investment cycles or not) as a way of subsidizing its commitment to the new guidelines. In order to achieve the deleveraging process, Klabin established **(i)** a reduction in the maximum leverage for investment periods (3.9x vs. 4.2x previously); **(ii)** an increase in the maintenance CAPEX floor as a means of skillfully classifying the "investment cycle" (US\$1.2bn vs. US\$1.0bn previously), indicating greater rigor, and **(iii)** a reduction in the period in which the company can maintain this high leverage (12M vs. 24M previously).

**Reduction in dividend policy brings more reassurance for investors.** Although this is, in a superficial analysis, a negative point, since according to our calculations over the next 5Y the company would not achieve a Dividend Yield higher than 6.5%, even so, looking more closely at the reasons that led the company, also at the end of October, to **reduce the dividend distribution target** (10-20% Adjusted EBITDA vs. 15-25% previously), we understand that the initiative should bring more reassurance to the investor, since it demonstrates more responsibility and rigor from Klabin with capital allocation.

Management confirmed during yesterday's presentation that **the change is here to stay**. Through our contact with investors, we validated that the majority did not seem to perceive the dividends previously distributed as a major attraction for setting up long positions, given that the previous Dividend Yield generally oscillated between 6-7%, which does not seem to be a "silver bullet" for appealing for new investment choice, considering that companies that do not have growth these pay ~10% or more.

Therefore, we make it clear that the reduction in the dividend policy ends up being attractive, as it signals Klabin's concern to **address the 3 points that we believe were more critical** to attracting investors than necessarily maintaining a yield payment that could be considered average. Among these 3 points that we mentioned at the beginning of the report, we recall: **(i)** high leverage ratio; **(ii)** robust CAPEX level reducing FCF and **(iii)** operational efficiency questioned by higher costs. By reducing the dividend target, **the company is moving towards reducing leverage**, by safeguarding in the cash flow the portion that would be earmarked for this payment.

**An incremental volume of +200Kt is expected by 2025.** Reinforced by management during the Investor Day, the company should benefit from a significant increase in production volumes in 2025, driven by the following factors: **(i)** ramp-up of PM27 and PM28, which will bring incremental production of ~88kt between 2024 and 2025; in addition to **(ii)** the absence of scheduled maintenance at some plants, such as Monte Alegre (PR) and **(iii)** normalization of bottlenecks at Ortigueira (PR), which impacted production in 2024.

We would also highlight the **(iv)** market recovery in kraftliner demand, which fell significantly in 2023 and picked up again in 2024, and led the company to reactivate Monte Alegre (PR) in 1Q24 and Goiana (PE) in 2Q24. Due to demand forecasts for next year, Klabin will reactivate Paulínia (SP), which is expected to be completed in 2Q25, completing the reactivation of the last stalled plants. These points will lead to an incremental volume of +200kt for 25E vs. 2024. On the demand side in the domestic market, factors such as unemployment at an all-time low and considering the outlook that the packaging segment will grow above GDP, should help strengthen this increase in supply as being fully reversed into sales.

**Total cash cost guidance maintains resilience vs. inflation.** The company gave a **total cash cost guidance** of **R\$3.1-R\$3.2 thousand/t** (including stoppages) for **24E** and **25E**, which would indicate an y/y reduction in total cash cost in real terms (R\$3.2 thousand/t in 2023). In other words, as the values stipulated as targets for 2024 and 2025 were set in nominal terms (containing inflation), and both remain stable vs. 2023, this indicates that the company would be achieving a real cost reduction of the same intensity as the projected inflation (IPCA 24E of 4.84%).

Some components are denominated in USD, and the company has signaled that it has not considered the recent upward revisions in the projections for the **USD/BRL exchange rate**, using as a reference the Focus bulletin from earlier this week at R\$5.43, which is still **quite out of date compared to the spot rate**, which is at ~R\$6.00. We therefore believe that **there is a certain risk that this guidance will not be met**. Another point worth mentioning is the pressure of maritime freight costs, especially in operations that require the use of containers.

**The higher USD/BRL rate should not compromise EBITDA.** Despite having cash costs and CAPEX pegged to the USD, adding up to an exposure of ~15% to the USD/BRL exchange rate, our preliminary understanding is that, although the company has not been conservative in using the Focus bulletin (which is out of date), causing a possible risk of not meeting the cost guidance, **this should not impact EBITDA**, since there is a **counterpart** in **net revenue**, as Klabin benefits itself by the BRL/USD devaluation scenario through exporting, mainly of products such as Kraftliner and market pulp. According to management, 10 cents more in USD/BRL corresponds to +R\$160mn in EBITDA.

**CAPEX guidance decreases in 2025 and increases for other years vs. previous estimates.** The composition of the company's **CAPEX** is delineated by ~60% for maintenance - operational and forestry - 25% of which is denominated in USD. There is an intensification of vulnerability associated with the increase in the USD/BRL exchange rate vs. the current outlook of the Focus bulletin, used by the company as assumption to properly calculate its budget. However, the **CAPEX 25E guidance** of **R\$3.3bn** (-8.3% vs. Genial Est.) not only indicates greater commitment in terms of capital allocation, but also compensation for the subsequent increase in **CAPEX 26E-30E** (+11% vs. Genial Est.), under the premises of discounts approached via NPV, thus resulting in a practically null net effect on FCF. Therefore, the **new guidance did not imply any changes** to the Target Price in our proprietary model.

## Our Take on Klabin

**Why did some investors dislike Klabin?** We assess that a portion of the investors we deal with usually criticize Klabin for its low generation of FCFE, due to **(i)** high debt levels (Net Debt/EBITDA at 3.9x), **(ii)** substantial CAPEX (R\$3.3bn or ~45% of EBITDA) and **(iii)** costs associated with vertical integration. Although we have always disagreed with a more dismissive approach to the investment thesis, having spent much more time of our coverage with a Buy rating (rather than Neutral or Sell, as other sell-side firms did in the same period), because we saw that a lower level of FCFE could be tolerated in order to achieve more growth, on the other hand, we also recognized that this fact weighed on investors' decisions, where some ended up avoiding forming long positions.

**But things are changing... It's time to reap the harvest!** Even having listed these 3 points above, we see that **Klabin is making progress on these fronts** and is starting to **reap the benefits** of its growth investments, including: **(i)** a shift in PM28 production to paperboard, which should increase prices due to its higher added value, with LPB homologation planned to be finalized in 1Q25; **(ii)** the completion of the PM27 and PM28 ramp-up by 2025; and **(iii)** a better sales mix with more corrugated box conversion optionality through the Figueira Project.

In addition, the **(iv)** cost reductions on a real basis are noteworthy, with new guidance for cash COGS indicating absorption of inflation by keeping the nominal figure flat. As for CAPEX, the updated guidance for 2025 is also stable compared to the previous year, even after accounting for an additional +R\$800mn for a new boiler at the Monte Alegre (PR) unit, with a projected reduction of -12% in 26E.

Last but not least, **(v)** management reaffirmed its commitment to deleveraging as the company will receive the R\$1.8bn (+R\$900mn add in potential) in FCF from the **Plateau Project** and will experience **EBITDA growth**, stemming from the **good fundamentals** we commented on throughout the report for 2025. Our projection is that this strategy will reduce the **25E Net Debt/EBITDA to 3x** vs. 3.9x in 3Q24. We therefore reiterate our **BUY rating**, given an **EV/EBITDA 25E of 6.5x** (below the historical average of ~7x), with a **12M Target Price of R\$27.00**, indicating an **upside of +16.63%**.

## Appendix: Klabin

**Figure 1. Klabin – Income Statement in R\$ Millions (Genial Est. 2024-2028)**

Income Statement	2024E	2025E	2026E	2027E	2028E
<b>Net Revenue</b>	<b>19.341</b>	<b>20.440</b>	<b>21.627</b>	<b>21.924</b>	<b>22.142</b>
(-) COGS	(11.969)	(12.253)	(12.584)	(12.927)	(13.079)
<b>Gross Profit</b>	<b>7.690</b>	<b>9.118</b>	<b>10.025</b>	<b>9.496</b>	<b>9.213</b>
(-) Expenses	(3.562)	(5.046)	(5.065)	(4.552)	(4.273)
<b>Adjusted EBITDA</b>	<b>7.411</b>	<b>7.673</b>	<b>7.808</b>	<b>7.866</b>	<b>8.279</b>
(-) D&A	(3.715)	(4.833)	(3.830)	(3.421)	(3.489)
<b>EBIT</b>	<b>4.122</b>	<b>4.072</b>	<b>4.960</b>	<b>4.944</b>	<b>4.941</b>
(+/-) Financial Result	(1.173)	(904)	(573)	(491)	(244)
(-) Taxes	(903)	(981)	(1.381)	(1.089)	(1.125)
<b>Net income</b>	<b>2.061</b>	<b>2.202</b>	<b>3.020</b>	<b>3.378</b>	<b>3.587</b>
<b>Profitability</b>					
Net margin (%)	10,66%	10,77%	13,97%	15,41%	16,20%

**Figure 2. Klabin– Cash Flow in R\$ Millions (Genial Est. 2024-2028)**

Cash Flow (FCFF)	2024E	2025E	2026E	2027E	2028E
<b>Net Revenue</b>	<b>19.341</b>	<b>20.440</b>	<b>21.627</b>	<b>21.924</b>	<b>22.142</b>
(-) COGS	(11.969)	(12.253)	(12.584)	(12.927)	(13.079)
<b>Adjusted EBITDA</b>	<b>7.411</b>	<b>7.673</b>	<b>7.808</b>	<b>7.866</b>	<b>8.279</b>
<b>EBIT</b>	<b>4.122</b>	<b>4.072</b>	<b>4.960</b>	<b>4.944</b>	<b>4.941</b>
(-) Taxes	(903)	(981)	(1.381)	(1.089)	(1.125)
(+) D&A	3.715	4.833	3.830	3.421	3.489
(+/-) Δ WK	(318)	(192)	(153)	(56)	(3)
(-) Capex	(3.368)	(3.086)	(2.972)	(2.510)	(2.075)
<b>FCFF</b>	<b>3.248</b>	<b>4.647</b>	<b>4.285</b>	<b>4.710</b>	<b>5.226</b>

## Disclosure Section

### 1. GENERAL DISCLAIMER

This report has been produced by the research department (“Genial Institucional Research”) of Genial Institucional Corretora de Câmbio, Títulos e Valores Mobiliários S.A. (“GENIAL INSTITUTIONAL CCTVM”). Genial Institucional is a brand name of Genial Investimentos CCTVM.

#### Genial Rating

	Definition	Coverage
Buy	Expected return above +10% in relation to the Company's sector average	49%
Neutral	Expected return between +10% and -10% relative to the Company's industry average	41%
Sell	Expected return below -10% in relation to the Company's sector average	5%
under Review	Under review	5%

This report may not be reproduced or redistributed to any other person, in whole or in part, for any purpose, without the prior written consent of GENIAL INSTITUTIONAL CCTVM. GENIAL INSTITUTIONAL CCTVM accepts no liability whatsoever for the actions of third parties in this respect.

This research report is for distribution only under such circumstances as may be permitted by applicable law. This research report has no regard to the specific investment objectives, financial situation or particular needs of any specific recipient, even if sent only to a single recipient. This research report is not guaranteed to be a complete statement or summary of any securities, markets, reports or developments referred to in this research report. Neither GENIAL INSTITUTIONAL CCTVM nor any of its directors, officers, employees or agents shall have any liability, however arising, for any error, inaccuracy or incompleteness of fact or opinion in this research report or lack of care in this research report’s preparation or publication, or any losses or damages which may arise from the use of this research report

GENIAL INSTITUTIONAL CCTVM may rely on information barriers, such as “Chinese Walls” to control the flow of information within the areas, units, divisions, groups, or affiliates of GENIAL INSTITUTIONAL CCTVM.

Investing in any non-U.S. securities or related financial instruments (including ADRs) discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on such non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in effect within the United States.

The value of any investment or income from any securities or related financial instruments discussed in this research report denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related financial instruments.

Past performance is not necessarily a guide to future performance and no representation or warranty, express or implied, is made by GENIAL INSTITUTIONAL CCTVM with respect to future performance. Income from investments may fluctuate. The price or value of the investments to which this research report relates, either directly or indirectly, may fall or rise against the interest of investors. Any recommendation or opinion contained in this research report may become outdated as a consequence of changes in the environment in which the issuer of the securities under analysis operates, in addition to changes in the estimates and forecasts, assumptions and valuation methodology used herein.

The locally listed shares of Brazilian companies may only be purchased by investors outside of Brazil who are “eligible investors” within the meaning of applicable laws and regulations.



## 2. ANALYST(S) DISCLOSURES AND CERTIFICATION

The principal analyst, IGOR GUEDES, is responsible for the content of this report and for meeting the requirements of Securities and Exchange Commission of Brazil (CVM) Instruction 598/2018.

The analysts hereby certify that the views expressed in this research report accurately reflect their personal views about the subject securities or issuers and it was prepared in an independent manner, including with respect to the person and to GENIAL INSTITUTIONAL.

The analyst hereby certifies that he (she) has no connection with any individual who works for the issuer(s) discussed in this report.

The analyst hereby certifies that he (she), or his (her) spouse or companion, either directly or indirectly, in his or her own name or on behalf of a third party, does not hold any of the securities covered in this report.

The analyst hereby certifies that he (she), or his (her) spouse or companion, is not directly or indirectly involved in the purchase, disposal or brokering of the securities covered in this report.

The analyst hereby certifies that he (she), or the his (her) spouse or companion, has no direct or indirect financial interest in the issuer covered in this report (other than trading shares in investment funds, in which the analyst cannot control, directly or indirectly, the administration or management of the fund, or which do not concentrate investments in sectors or companies that are covered by reports produced by the analyst).

The analyst's compensation is, directly or indirectly, determined by income from GENIAL INSTITUTIONAL's business and financial operations.

In addition, the analysts certify that no part of their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

The compensation of the analyst who prepared this report is determined by research management and senior management (not including investment banking). Analyst compensation is not based on investment banking revenues, however, compensation may relate to the revenues of GENIAL INSTITUTIONAL CCTVM, its affiliates and/or subsidiaries as a whole, of which investment banking, sales and trading are a part. Compensation paid to analysts is the sole responsibility of GENIAL INSTITUTIONAL CCTVM.

The analyst hereby certifies that he (she), or his (her) spouse or companion, does not serve as an officer, director, or advisory board member of the subject company.

The principal analyst is responsible for the content of this report and for meeting the requirements of Securities and Exchange Commission of Brazil (CVM) Instruction 598/2018.

Unless otherwise stated, the individuals listed on the cover page of this report are research analysts.



### 3. ADDITIONAL DISCLOSURE

- (i) This document was prepared by GENIAL INSTITUTIONAL Research and is hereby supplied for the sole purpose of providing information about companies and their securities.
- (ii) The information contained herein is provided for informational purposes only and does not constitute an offer to buy or sell, and should not be construed as a solicitation to acquire, any securities in any jurisdiction. The opinions expressed herein regarding the purchase, sale or holding of securities, or with respect to the weighting of such securities in a real or hypothetical portfolio, are based on careful analysis by the analysts who prepared this report and should not be construed by current or future investors as recommendations for any particular investment decision or action. The investor's final decision should be made considering all of the risks and fees involved. This report is based on information obtained from primary or secondary public sources, or directly from companies, and is combined with estimates and calculations prepared by GENIAL INSTITUTIONAL CCTVM. This report does not purport to be a complete statement of all material facts related to any company, industry, security or market strategy mentioned. The information has been obtained from sources believed to be reliable, but GENIAL INSTITUTIONAL CCTVM does not make any express or implied representation or warranty as to the completeness, reliability or accuracy of such information. The information, opinions, estimates and projections contained in this document are based on current data and are subject to change. Prices and availability of financial instruments are indicative only and subject to change without notice. GENIAL INSTITUTIONAL CCTVM is under no obligation to update or revise this document or to advise of any changes in such data.
- (iii) The securities discussed in this report, as well as the opinions and recommendations contained herein, may not be appropriate for every type of investor. This report does not take into account the investments objectives, financial situation or particular needs of any particular investor. Investors who wish to buy, sell or invest in securities that are covered in this report should seek independent financial advice that takes individual characteristics and needs into consideration, before making any investment decision with respect to the securities in question. Each investor should make independent investment decisions after carefully analyzing the risks, fees and commissions involved. If a financial instrument is denominated in a currency other than an investor's currency, changes in exchange rates may adversely affect the price or value of, or the income derived from the financial instrument, and the reader of this report assumes all foreign exchange risks. Income from financial instruments may vary, and therefore their price or value may rise or fall, either directly or indirectly. The information, opinions and recommendations contained in this report do not constitute and should not be interpreted as a promise or guarantee of a particular return on any investment. Past performance does not necessarily indicate future results, and no representation or warranty, express or implied, is made herein regarding future performance. Therefore, GENIAL INSTITUTIONAL CCTVM, its affiliated companies, and the analysts involved in this report take no responsibility for any direct, indirect or consequential loss resulting from the use of the information contained in this report, and anyone using this report undertakes to irrevocably indemnify GENIAL INSTITUTIONAL CCTVM and its affiliates from any claims and demands.
- (iv) Prices in this report are believed to be reliable as of the date on which this report was issued and are derived from one or more of the following: (i) sources as expressly specified alongside the relevant data; (ii) the quoted price on the main regulated market for the security in question; (iii) other public sources believed to be reliable; or (iv) GENIAL INSTITUTIONAL CCTVM's proprietary data or data available to GENIAL INSTITUTIONAL CCTVM.

- (v) No representation or warranty, either express or implied, is provided in relation to the accuracy, completeness or reliability of the information contained herein, except with respect to information concerning GENIAL INSTITUTIONAL CCTVM, its subsidiaries and affiliates. In all cases, investors should conduct their own investigation and analysis of such information before taking or omitting to take any action in relation to securities or markets that are analyzed in this report.
- (vi) GENIAL INSTITUTIONAL CCTVM makes no representations herein that investors will obtain profits. GENIAL INSTITUTIONAL CCTVM will not share with investors any investment profits nor accept any liability for any investment losses. Investments involve risks and investors should exercise prudence in making their investment decisions. GENIAL INSTITUTIONAL CCTVM accepts no fiduciary duties on behalf of recipients of this report and in communicating this report is not acting in a fiduciary capacity. This report is not to be relied upon in substitution for the exercise of recipient's independent judgment. Opinions, estimates, and projections expressed herein constitute the current judgment of the analyst responsible for the substance of this report as of the date on which the report was issued and are therefore subject to change without notice and may differ or be contrary to opinions expressed by other business areas or groups of GENIAL INSTITUTIONAL CCTVM as a result of using different assumptions and criteria. The information, opinions and recommendations contained in this report do not constitute and should not be interpreted as a promise or guarantee of a particular return on any investment.
- (vii) Because the personal views of analysts may differ from one another, GENIAL INSTITUTIONAL CCTVM, its subsidiaries and affiliates may have issued or may issue reports that are inconsistent with, and/or reach different conclusions from, the information presented herein. Any such opinions, estimates, and projections must not be construed as a representation that the matters referred to therein will occur. Prices and availability of financial instruments are indicative only and subject to change without notice. Income from financial instruments may vary, and therefore their price or value may rise or fall, either directly or indirectly.
- (viii) This document may not be: (a) photocopied or duplicated in any manner, in whole or in part, and/or (b) distributed without GENIAL INSTITUTIONAL CCTVM's prior written consent. GENIAL INSTITUTIONAL CCTVM accepts no liability whatsoever for the actions of third parties in this respect.
- (ix) Neither GENIAL INSTITUTIONAL CCTVM nor any of its affiliates, nor any of their respective directors, employees or agents, accepts any liability for any loss or damage arising out of the use of all or any part of this report.
- (x) GENIAL INSTITUTIONAL CCTVM (or its affiliates, officers, directors or employees) may, to the extent permitted by law, have acted upon or used the information herein contained before the publication of this report and may have a position in securities issued by the companies mentioned herein and may make a market or act as a principal in any transactions in any such securities. Genial Institucional may from time to time perform investment banking or other services to, or solicit investment banking or other business from, the companies mentioned herein.

#### 4. IMPORTANT DISCLOSURES FOR U.S. PERSONS

This research report was prepared by Genial Institucional CCTVM, a company authorized to engage in securities activities in Brazil. Genial Institucional CCTVM is not a registered broker-dealer in the United States and, therefore, is not subject to U.S. rules regarding the preparation of research reports and the independence of research analysts. This research report is provided for distribution to “major U.S. institutional investors” in reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the “Exchange Act”) and is not being provided pursuant to a soft-dollar arrangement.

Any U.S. recipient of this research report wishing to effect any transaction to buy or sell securities or related financial instruments based on the information provided in this research report should do so only through Auerbach Grayson & Company LLC (“AGCO”), a registered broker dealer in the United States with an office at 20 West 55th Street New York, NY 10019, (212) 453-3523 . Under no circumstances should any recipient of this research report effect any transaction to buy or sell securities or related financial instruments through Genial Institucional CCTVM.

If the report is to be distributed to anyone other than Major U.S. Institutional Investors in the United States. AGCO accepts responsibility for the contents of this report as provided for in relevant SEC releases and SEC staff no-action letters.

The analyst whose name appears in this research report is not registered or qualified as a research analyst with the Financial Industry Regulatory Authority (“FINRA”) and may not be an associated person Auerbach Grayson & Company LLC (“AGCO”) and, therefore, may not be subject to applicable restrictions under FINRA Rules on communications with a subject company, public appearances and trading securities held by a research analyst account.

The disclosures contained in research reports produced by GENIAL INSTITUTIONAL CCTVM and distributed by Auerbach Grayson & Company LLC (“AGCO”) in the U.S. shall be governed by and construed in accordance with U.S. law. This report may not be reproduced or redistributed to any other person, in whole or in part, for any purpose, without the prior written consent of GENIAL INSTITUTIONAL CCTVM. Additional information relative to the financial instruments discussed in this report is available upon request.

#### UK Disclaimer:

(i) This document is STRICTLY CONFIDENTIAL to the recipient, may not be distributed to the press or other media and may not be reproduced in any form. this document is directed only at persons who are “INVESTMENT PROFESSIONALS” falling within article 19(5) of the FSMA 2000 (FINANCIAL PROMOTION) ORDER 2005, or HIGH NET WORTH BODIES falling within ARTICLE 49(2) of that order (together THE “RELEVANT PERSONS”). This document must not be acted on or relied on by persons who are not RELEVANT PERSONS.

(ii) The distribution of this document in other jurisdictions may be restricted by law and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions. Any failure to comply with these restrictions may constitute a violation of the laws of any such other jurisdiction.

Copyright 2024 GENIAL GENIAL INSTITUTIONAL CCTVM