# FMCG

### The new normal: Tough play, but margin compression to ease by 2025

We do not perceive the current competitive environment as a temporary phenomenon, but rather as a new normal. We do not see market distortion by a leader; instead, deeper price investments are possible thanks to the cushion built in previous years (according to KRS data, Biedronka standalone improved its gross margin between 2019 and 2023 by 70 bps, p. 7). The revenue of grocery store chains has been boosted in recent years, particularly by inflation. This is evidenced by the spectacular growth in revenue per sqm in Biedronka and Dino in the years 2021-2023, up 30% and 44%, respectively, accompanied by an improvement in pre-IFRS 16 EBITDA per sqm of 21% and 32%, respectively.

In recent quarters, we have observed increasing asymmetry in revenue dynamics between supermarkets and the traditional channel (p. 27,28), confirming the acceleration of market share gains by both Biedronka and Dino in a volume-stable market. This year, both chains continue to report positive real LFL growth. Deflation is a temporary phenomenon, based on market data (p. 23), gradually fading, and we expect a return to basket inflation in both chains in Q1'25. This will translate into an acceleration of LFL sales growth in 2025 for Biedronka and Dino to 4.5% and 8%, respectively. Additionally, we expect gross margin de-compression in both companies and an increase in adj. EPS'25 by 10% and 19% y/y, respectively.

We are initiating coverage for JMT with a Buy investment recommendation, TP EUR 19.5 (15% upside), and maintaining a Hold investment recommendation for DNP, TP PLN 360 (8% upside).

**#JMT.** At the center of the equity story remains Biedronka; the Ara chain is still difficult to assess as a successful project. We estimate that the group has so far spent nearly EUR 1bn on expansion in Colombia (2018-2024E), but the challenging local market environment has caused the chain to retreat to break-even despite having over 1,400 stores, thus achieving ~40% of its target expansion potential (LINK). Ara standalone accounts for about 8% of our valuation. In 3Q, we expect flat LFL and a 5% decline in EBITDA pre-IFRS 16. While the LFL trough is behind the group, a return to earnings growth is likely delayed until 4Q.

**#DNP.** The pace of this growth should accelerate already in Q4, and in the perspective of 5-6 quarters, the company is capable of reaching a level of approximately 400 store openings annually. We maintain the target EBITDA pre-IFRS 16 profitability level in DNP at 8.2%, which means about a 150 bps premium compared to profitability at this level in Biedronka. This primarily reflects operating in a model of owned stores, which extends the payback period of stores compared to Biedronka, and to a lesser extent, the geographic rent resulting from the location of Dino stores. As a result, compared to previous assumptions, we are raising our store opening forecasts (by an average of 7% in '24-26), which, along with the passage of time, has influenced a 6% increase in the TP compared to the last recommendation.

# Jeronimo Martins Buy

(Initiation)

Target price: 19.5 EUR (Date: 22.10.2024) Upside: +15%

## Dino Polska Hold (previous: Hold)

### Target price: 360 PLN (Date: 22.10.2024) Upside: +8%

Jeronimo Martins							Dino Polska						
EURm	2021	2022	2023	2024E	2025E	2026E	PLNm	2021	2022	2023	2024E	2025E	2026E
Revenues	20,889	25,385	30,608	33,567	36,201	38,666	Revenues	13,362	19,802	25,666	29,408	35,019	41,776
EBITDA	1,550	1,759	2,088	2,067	2,168	2,473	EBITDA	1,271	1,838	2,233	2,271	2,738	3,339
adj. EBITDA	1,584	1,854	2,168	2,155	2,338	2,542	adj. EBITDA	1,272	1,840	2,229	2,269	2,738	3,339
EBIT	805	977	1,186	1,053	1,062	1,279	EBIT	1,024	1,538	1,876	1,865	2,239	2,724
Netprofit	463	591	756	610	610	774	Net profit	805	1,132	1,405	1,447	1,728	2,127
adj. Net profit	488	662	817	677	741	828	adj. Net profit	806	1,134	1,403	1,446	1,728	2,127
EPS (EUR)	0.7	0.9	1.2	1.0	1.0	1.2	EPS (PLN)	8.2	11.5	14.3	14.8	17.6	21.7
P/E (x)	23.0	18.0	14.1	17.4	17.4	13.7	P/E (x)	40.5	28.8	23.2	22.6	18.9	15.3
adj. P/E (x)	21.8	16.1	13.0	15.7	14.3	12.9	adj. P/E (x)	40.5	28.8	23.3	22.6	18.9	15.3
EV/EBITDA(x)	7.7	6.8	6.2	6.4	6.2	5.4	EV/EBITDA(x)	26.5	18.5	15.0	14.8	12.3	9.9
adj. EV/EBIT DA (x)	7.6	6.5	5.9	6.1	5.7	5.3	adj. EV/EBITDA (x)	26.5	18.5	15.1	14.8	12.3	9.9
EV/EBITDApre-IFRS16 (x)	8.2	6.6	5.7	6.1	5.5	5.0	EV/EBITDApre-IFRS16 (x)	27.0	18.7	15.2	14.9	12.3	10.0
DY(%)	1.9%	4.8%	3.4%	3.9%	3.4%	3.4%	DY (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Source: Company, Trigon; adjustments for other operating profits/losses, inlcuding a fine for Jeronimo Martins of EUR ~117m in 2025



Research Department research@trigon.pl www.trigon.pl

# **Jeronimo Martins**

## LFL to rise again as food inflation picks up

We initiate our coverage of Jeronimo Martins with a BUY recommendation and a price target of EUR 19.5, implying an upside of 15%. We believe that the return of food inflation in Poland to ~5% in 2025 and ~3% in 2026 (Appendix 1 & 2. p 44, 45) will translate into an improvement in Biedronka's LFL to 4.3% and 5.3% LFL in 2025/26 respectively. In our view, the group is also relatively better positioned vs. Dino for rising cost pressures in Poland (mainly labour) thanks to lower personnel costs as a percentage of sales and SG&A (see p. 10), and higher sales density and efficiency per sqm (see p. 6).

**Food inflation rebound in Poland will boost LFL**. We expect 3Q24 to bring an easing of food deflation in Poland (-0.2% y/y VAT adj.), while Biedronka should reduce basket price discount relative to the market q/q, achieving ~4% basket deflation. We believe that Biedronka will maintain slight basket deflation until the end of 2024 with a consistent focus on volume growth. In terms of volumes, the 2H23 base is very challenging; as a result, Biedronka will not significantly reduce the scale of its price investment in 2H24 in our view. We forecast that Biedronka should show positive LFL from 4Q onwards (+0.8%). Unfavourable calendar effects in 1Q25 will weigh on LFL in the quarter (no Easter or leap year), despite the projected peak in food inflation (LFL of +1.5% with ~2% volume growth).

**Gross margin stabilisation in 2024, slight recovery in 2025.** We forecast a slight gross margin decompression in 2024 (+5bps r/r), followed by an improvement of 45bps r/r to 20.9% in 2025, mainly driven by changes in Poland: improved terms with suppliers (e.g. shorter payment terms and larger volumes for more attractive prices) and lower price investments, but also improving consumer sentiment in Colombia. EBITDA margin will be under pressure in both years due to rising wages, especially in Poland and Portugal (together ~90% of group employees), minimum wage in Poland in EUR +23%/+12% y/y in 2H24/1H25, +8% y/y in Portugal in 2H24. We estimate Biedronka's EBITDA margin (IFRS16) to decline by 0.8pp y/y in 2024 and improve by 0.2pp y/y in 2025 thanks to higher LFL (0.1/4.3% in 2024/25).

**3Q24 results weighed down by weak September.** Unsettling the results in 3Q24 in our view will be the weather in Poland. September was a month of floods and heavy rains which we believe reduced shop traffic, while having a very challenging impulse sales base from last year (warm sunny weather). We forecast negative LFL in Q3 at -0.5% at Biedronka, which should translate into ~3.6% y/y volume growth. At Group level, we expect EBITDA growth of 1% y/y (-1.6% y/y at Biedronka, +24% y/y at Hebe, -4% at Pingo Doce & Reicho, +70% at Ara), with Group EBITDA margin 0.5pp lower y/y (-0.8pp y/y at Biedronka).

Significant investments in Ara with limited results for the Group. In the years 2018-2023, Jeronimo Martins invested a total of EUR ~741 in Ara. In 2023, Ara generated a loss of EUR 12m on a pre-IFRS16 EBITDA basis (+45m EBITDA post-IFRS16). We forecast banner's pre-IFRS16 EBITDA to reach EUR 8m (0.3% margin) in 2024 and 26m in 2025 (0.7% margin).

**Valuation and recommendation**. Our 12m TP is 100% based on the DCF method. The relative valuation returns the value of EUR 14.7/share (see p. 21). However, we point to Jeronimo Martins' higher growth profile vs peers (CAGR EBIT '24-26 12% vs median 9%) and limited comparables in the Group's main market, Poland. Attractive valuation relative to growth is reflected in historically lowest forward valuation ratios (see p. 22), 12M FWD EV/EBITDA and P/E are 32% and 24% below the group's long-term average, respectively. The current PEG ratio of 1.1x is almost half the 2017-2024 average of 2.0x (see p. 22).

**Key specific risk factors for JMT include**: 1) high dependence on the Polish market, 2) Prolonged food deflation putting pressure on LFL, especially in Biedronka, 3) High labour cost increases and staff shortages, 4) Ongoing gross margin compression as competition intensifies in mature markets. More risks described on p. 33.

EURm	2021	2022	2023	2024E	2025E	2026E
Revenues	20,889	25,385	30,608	33,567	36,201	38,666
EBITDA	1,550	1,759	2,088	2,067	2,168	2,473
EBIT	805	977	1,186	1,053	1,062	1,279
Net profit	463	591	756	610	610	774
EPS (EUR)	0.7	0.9	1.2	1.0	1.0	1.2
P/E (x)	23.0	18.0	14.1	17.4	17.4	13.7
EV/EBITDA (x)	7.7	6.8	6.2	6.4	6.2	5.4
P/BV (x)	4.2	4.1	3.5	3.3	3.0	2.7
DY (%)	1.9%	4.8%	3.4%	3.9%	3.4%	3.4%

Research Department research@trigon.pl www.trigon.pl

# Buy

(Initiation)

### Target price: 19.5 EUR (Date: 22.10.2024) Upside: +15%

FACT SHEET			
Ticker			JMT
Sector			FMCG
Price (EUR)			16.9
52W range (EUR)		15.	2 / 24.02
Shares outstanding (m)			629.3
Market Cap (EURm)			10,635
Free-float			44%
3M Avg. Vol. (EURm)			16.7
Price performance	1M <b>-14.6%</b>	3M <b>-19.2%</b>	1Y <b>-29.1%</b>

### **RELATIVE SHARE PRICE VS PSI20 INDEX**



SHAREHOLDERS	Share %
Soc. Fransisco Manuel do Santos	56.1%

INVESTOR CALENDAR 3Q'24 report	30.10.2024
	50.10.2024
ANALYST	
Piotr Chodyra	
Grzegorz Kujawski	

Source: Company, Trigon

# **Dino Polska**

## No breakthrough in 3Q results

The prices of a basket of basic agricultural products tracked by GUS, similar to the PPI in food processing in 3Q, indicate a fading of deflationary processes. The category that continues to stand out with a significant decline in 3Q is pork livestock (average selling prices in 3Q down by 15% y/y, <u>LINK</u>), with pork products accounting for ~13% of DNP's revenues (total meat counter ~17% of revenues). Nevertheless, we expect the company's basket deflation to be somewhat lower than in 3Q, when it reached ~4%, and by 1Q'25, we anticipate a return to basket inflation. This will support a 5% volume growth per store, contributing to a sales acceleration in LFL from 5% to 8% next year.

At the same time, we maintain the assumption from the previous recommendation that the EBITDA margin decline y/y will likely reverse only in 2Q'25. The competitive environment will remain challenging, in our view, but a more stable raw material market should allow the company to exert greater pressure on suppliers, hence the expectation of continued recovery in the gross margin. Especially since DNP continues to increase its market share. The pace of this growth is expected to accelerate in 4Q, and within the next 5-6 quarters, the company could reach a level of ~400 store openings annually. We maintain the target EBITDA margin pre-IFRS 16 for DNP at 8.2%, which represents about a 150 bps premium compared to Biedronka. This mainly reflects the company's own store model, which extends the payback period of stores compared to Biedronka, and to a lesser extent, the geographic advantage of Dino's store locations. Consequently, compared to previous assumptions, we are raising the store opening forecast (by 7% annually on average in '24-26), which, along with the passage of time, has led to a 6% increase in TP.

**No breakthrough in 3Q results. (1)** LFL. In 3Q, we expect lower q/q basket deflation (impact on LFL -2 p.p.), with pork (13% of sales, total meat 17% of Dino's sales) contributing to the deflation. In July and August, we expect over 5% LFL, while in September, closer to 2-3% due to the high base from the weather in '23. As a result, we estimate LFL in 3Q at 4%. (2) Gross margin. We do not observe significant changes in the competitive environment, but the company may improve trading conditions with suppliers more than in previous quarters, supported by volume growth and a more favorable raw material market, as well as lower energy prices. Consequently, we expect continued improvement in gross margin (+0.2 p.p. y/y, +0.8 p.p. q/q). (3) SG&A. In 3Q, we expect a slowdown in per-store sales cost growth from 13% in 2Q to 9% y/y (seasonal dilution). It will still be significantly higher than the per-store revenue growth (+3% y/y), so EBITDA margin pressure will persist, though lower than in 2Q.

**Summary of Trigon Investor Week 2024**. (1) In 3Q, volumes continue to grow at a rate of 5-6% per store, with slight basket deflation and a high base in September. The company will accelerate store openings to 100 in 4Q, aiming to reach 400 store openings annually within 4-6 quarters; (2) The company opened another distribution center in 2Q and plans to open three more by the end of 2025, with a decision on another logistics investment expected around year-end; (3) The company assumes that the faster pace of logistics expansion will not impact SG&A ratios, as operating costs will be adjusted to the number of connected stores; (5) The company sees more room for improving trading terms in the current market and does not expect intensifying competition.

Valuation Summary. We base Dino's valuation entirely on an income approach using the DCF method, which implies a 12M TP per share of 360 PLN (Hold, 8% upside).

PLNm	2021	2022	2023	2024E	2025E	2026E
Revenues	13,362	19,802	25,666	29,408	35,019	41,776
EBITDA	1,271	1,838	2,233	2,271	2,738	3,339
EBIT	1,024	1,538	1,876	1,865	2,239	2,724
Net profit	805	1,132	1,405	1,447	1,728	2,127
EPS (PLN)	8.2	11.5	14.3	14.8	17.6	21.7
P/E (x)	40.5	28.8	23.2	22.6	18.9	15.3
EV/EBITDA(x)	26.5	18.5	15.0	14.8	12.3	9.9
P/BV (x)	10.6	7.8	5.8	4.6	3.7	3.0
DY (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0 0 T						

Source: Company, Trigon



Research Department research@trigon.pl www.trigon.pl

## Hold (previous: Hold)

### Target price: 360 PLN

(Date: 22.10.2024) Upside: +8%

FACT SHEET			
Ticker			DNP
Sector			FMCG
Price (PLN)			332.9
52W range (PLN)		323.	2 / 482.1
Shares outstanding (m)			98.0
Market Cap (PLNm)			32,638
Free-float			49%
3M Avg. Vol. (PLNm)			77.3
Price performance	1M	3M	1Y
	-14.6%	-16.4%	-11.6%

### **RELATIVE SHARE PRICE VS WIG INDEX**



INVESTOR CALENDAR	
Q3'24 report	07.11.2024
ANALYST	
Grzegorz Kujawski	
Piotr Chodyra	



# Trigon Dom Maklerski S.A.

Plac Unii, Budynek B, ul. Puławska 2, 02-566 Warszawa

T: +48 22 330 11 11 | F: +48 22 330 11 12 W: http://www.trigon.pl | E: recepcja@trigon.pl



### **CEE EQUITY RESEARCH**

Grzegorz Kujawski, Head of Research Consumer, E-commerce, Financials

Maciej Marcinowski, Deputy Head of Research Strategy, Banks, Financials

Grzegorz Balcerski Gaming, TMT

Katarzyna Kosiorek Biotechnology

Michał Kozak Oil&Gas, Chemicals, Utilities

Dominik Niszcz TMT, E-commerce

Łukasz Rudnik Industrials, Metals&Mining

David Sharma Construction, Real Estate

Piotr Rychlicki Junior Analyst

Piotr Chodyra Junior Analyst

Volodymyr Shkuropat Junior Analyst

## **EQUITY SALES**

Grzegorz Skowroński

### SALES TRADING

Paweł Szczepański, Head of Sales

Michał Sopiński, Deputy Head of Sales

Paweł Czupryński

Hubert Kwiecień

# Research

**CEE | Equity Research** 

#### Disclaimer

#### General information

This Document has been produced by Trigon Dom Maklerski S.A. (the "Brokerage House"), an entity regulated by the Polish Financial Supervision Authority.

Initial recipients of this Document are selected Clients of the Brokerage House who use its general equity research and recommendation services concerning transactions in financial instruments. As of the date stated herein, this Document may also be disseminated to the general public (via the Brokerage House's website or by making it available to entities that may refer to its content in the media to the extent they see fit, or otherwise) as a recommendation within the meaning of Regulation (EU) 596/2014 of the European Parliament and of the Council on market abuse (market abuse regulation) and repealing Directive 2003/6/EC of the European Parliament and of the Council and Commission Directives 2003/124/EC, 2003/125/EC and 2004/72/EC (the "MAR Regulation"), and Commission Delegated Regulation (EU) 2016/958 of 9 March 2016 supplementing Regulation (EU) 596/2014 of the European Parliament and of the Council with regard to regulatory technical standards for the technical arrangements for objective presentation of investment recommendations or other information recommending or suggesting an investment strategy and for disclosure of particular interests or indications of conflicts of interest (the "Regulation on Recommendations").

### Glossary of professional terms:

capitalisation - market price multiplied by the number of a company's shares free float (%) - percentage of a company's shares held by shareholders with less than 5% of total voting rights attached to the shares, reduced by treasury shares held by the company min/max 52 wks - lowest/highest share price over the previous 52 weeks average turnover - average volume of share trading over the previous month EBIT - operating profit EBITDA - operating profit before depreciation and amortisation adjusted profit - net profit adjusted for one-off items CF - cash flow CAPEX - sum of investment expenditures on fixed assets OCF - cash generated through a company's operating activities FCF - cash generated by a company after accounting for cash outflows to support its operations and maintain capital assets ROA - rate of return on assets ROE - rate of return on equity ROIC - rate of return on invested capital NWC - net working capital

cash conversion cycle - length of time it takes for a company to convert its cash investments in production inputs into cash revenue from sale of its products or services

gross profit margin - ratio of gross profit to net revenue EBITDA margin - ratio of the sum of operating profit and depreciation/amortisation to net revenue

EBIT margin – ratio of operating profit to net revenue net margin – ratio of net profit to net revenue

EPS - earnings per share

DPS - dividend per share

P/E - ratio of market price to earnings per share

P/BV - ratio of market price to book value per share

EV/EBITDA – ratio of a company's EV to EBITDA EV – sum of a company's current capitalisation and net debt

DY - dividend yield, ratio of dividends paid to share price

RFR - risk free rate

WACC - weighted average cost of capital

#### Recommendations of the Brokerage House

Issuer - Jeronimo Martins SGPS S.A., Dino Polska S.A. BUY - we expect the total return on an investment to reach at least 15% HOLD - we expect the price of an investment to be largely stable, with potential upside of up to 15% SELL - we expect negative total return on an investment of more than -0%

Recommendations of the Brokerage House are valid for a period of 12 months from their issuance or until the price target of the financial instrument is achieved. The Brokerage House may update its recommendations at any time, depending on the prevailing market conditions or the judgement of persons who produced a given recommendation. Short-term recommendations (particularly those designated as speculative) may be valid for shorter periods of time. Short-term recommendations designated as speculative involve a higher investment risk

Document prepared by: Piotr Chodyra, Grzegorz Kujawski

#### Valuation methods used

The Discounted Cash Flow (DCF) method values a company by estimating its future cash flows and discounting them back to their present value.

- Advantages: future-oriented, flexible when it comes to assumptions, based on the intrinsic value of a company, widely accepted.

- Disadvantages: sensitivity to assumptions, complexity, subjectivity, doesn't consider market sentiment or short-term fluctuations.

The comparable valuation method values a company by comparing it to similar publicly traded companies. - Advantages: simplicity, transparency, benchmarking, reflects current market valuations and investor sentiment. - Disadvantages: lack of specificity, limited comparables, sensitive to market fluctuations, ignoring fundamental differences.

SOTP - sum-of-the-parts method, which consists in valuing a company by valuing its individual business lines separately and then summing them up.

Advantages: different valuation methods can be applied to diverse business lines; the approach is useful for assessing the value of a company e.g. in the case of planned acquisition or restructuring Disadvantages: the peer group for individual business lines is usually limited, the method does not adequately account for synergies between business segments Risk-adjusted net present value method (rNPV)

Advantages: accounting for probabilities assigned to future cash flows, providing a more realistic assessment of the present value of future cash flows and reflecting business-specific factors, especially in the case of innovative companies

Disadvantages: subjectivity involved in the adoption of a discount rate, significant reliance on a number of assumptions, high level of complexity in the calculations and exclusion of qualitative factors from the valuation

Discounted residual income method (DRI)

Advantages: valuation based on the excess of income over risk-adjusted opportunity cost to owners of capital, the method can be applied to companies that do not pay dividends or generate positive FCF. Disadvantages: significant reliance on subjective judgements and assumptions, as well as sensitivity of the valuation to any changes in those variables.

Discounted dividend model (DDM)

Advantages: accounting for real cash flows to equity owners, the model works best for companies with a long history of dividend distribution.

Disadvantages: the method can be applied to dividend-paying companies only, it is not suitable for companies with a short history of dividend distribution.

Net asset value method (NAV)

Advantages: the approach is particularly relevant to holding companies with significant property, plant and equipment assets, the calculation of NAV is relatively straightforward

Disadvantages: the method neglects future revenue or earnings potential and may not properly reflect the value of intangible assets.

Target multiple method

Advantages: the method can be applied to any company. Disadvantages: it involves a high degree of subjectivity.

Replacement value method – it assesses the value of a company based on the costs of replacing its assets.

Advantages: the method is particularly relevant to companies with significant property, plant and equipment assets.

Disadvantages: it may be hard to capture the value of a company's intangible assets, reputation and market potential.

Liquidation value method - the sum of prices that the business would receive upon selling its individual assets on the open market.

Advantages: the method can capture the lowest threshold of a company's value.

Disadvantages: it may be hard to capture the value of a company's intangibles.





Basis of the valuation or methodology and the underlying assumptions used to evaluate the financial instrument or the issuer, or to set a price target for the financial instrument: DCF.

The valuation, methodology or underlying assumptions have not changed since the date when this Document was completed and first disseminated. This Document was not disclosed to the issuer and subsequently amended. This Document has remained unchanged since the day it was completed and first disseminated.

The Research Team, which produces recommendations, relies exclusively on verified sources, publicly available as part of commercial knowledge bases and databases (periodic reports of issuers, Bloomberg, Reuters, Statistics Poland), as well as in-house analyses.

For detailed information on the valuation or methodology and underlying assumptions, as well as any previous recommendations concerning the Issuer's financial instruments disseminated during the preceding 12 months, go to the Brokerage House's website at www.trigon.pl.

#### Legal disclaimers, disclaimers related to risks

The Brokerage House believes that this Document has been objectively presented, with due care and attention and with the avoidance of potential conflicts of interest. The Brokerage House bears no liability for any inaccuracy or misjudgement that may nevertheless be found in this Document. In particular, the Brokerage House bears no liability for any damage suffered as a result of investment decisions made in reliance on information contained in this Document.

This Document does not address the individual needs or circumstances of any investor, nor is it an indication that any investment is suitable for a given investor. Accordingly, the conclusions drawn based on this Document may prove inappropriate for that particular investor.

The Brokerage House bears no liability for the way in which information contained in this Document is used. Historical data presented in this Document relate to the past, but past performance is no guarantee that similar results will be achieved in the future. Forward looking data may prove inaccurate, as they are merely an expression of the judgement of individuals speaking on behalf of the entity covered by this report or result from the Brokerage House's own judgement.

Anyone intending to use the information or conclusions contained in this Document is advised to rely on their own judgement, consider information other than that provided in this Document, verify the presented information on their own, asses the risks related to decision-making based on this Document; and consider consulting an independent analyst, investment adviser or other professional with relevant expertise.

Unless this Document indicates otherwise, information contained herein should not be regarded as authorised or approved by the entity to which it relates, as the conclusions and opinions contained herein are solely those of the Brokerage House.

Actual or potential conflicts of interest are managed by the Brokerage House through relevant arrangements provided for in the Regulation on Recommendations. In particular, in order to prevent or manage conflicts of interest, the Brokerage House has set up organisational barriers, as required by the applicable laws and regulations, compliance with which is monitored by the Compliance Department.

The key document governing the process of managing potential conflicts of interest at the Brokerage House is the "Conflicts of Interest Policy of Trigon Dom Maklerski S.A." For detailed information on the Policy, go to www.trigon.pl

The Brokerage House has developed and put in place mechanisms ensuring that conflicts of interest are managed through legal and administrative barriers designed to limit the flow of information between various organisational units/individuals employed by the Brokerage House or other persons.

In particular, the Research Team operates as an organisationally, functionally and physically separate, independent organisational unit of the Brokerage House

The Brokerage House believes that the organisational arrangements put in place ensure that the contents of a recommendation remain confidential until it is released.

As at the date of this Document:

there are no conflicts of interest between the Brokerage House and/or persons involved in producing this Document or having access to this Document prior to its publication (the Brokerage House's employees, service providers and other associated persons) and the issuer

the Brokerage House does not hold shares of the Issuer

the Brokerage House does not act as a market maker for the issuer's shares

- the Brokerage House does not provide the Issuer or its affiliates with financial advisory, investment banking or other brokerage services
- the Brokerage House does not perform the following services with respect to the Issuer's financial instruments covered by this Document

research and recommendation services concerning the Issuer's financial instruments

offering the financial instruments on the primary market or in an IPO over the 12-month period preceding the publication of this Document

buying or selling the financial instruments for its own account in the performance of tasks related to the operation of a regulated market

buying or selling the financial instruments for its own account in the performance of standby or firm commitment underwriting agreements

with the reservation that the Brokerage House may at any time offer or provide its services to the Issuer

there are no persons among those involved in producing the recommendation, or those who did not take part in its production but had or could have access to the recommendation, who would hold shares in the Issuer representing 5% or more of its share capital or financial instruments whose value is materially linked to the value of financial instruments issued by the Issuer

no members of the governing bodies of the Issuer or their close persons are members of the governing bodies of Trigon Dom Maklerski S.A.

none of the persons involved in producing the report serves in the governing bodies of the Issuer, holds a managerial position in, or is a close person of any member of the governing bodies of the Issuer; moreover, none of those persons or their close persons is party to any agreement with the Issuer that would be executed on terms and conditions different from those of other agreements executed between the Issuer and consumers.

The Brokerage House has not received dividends from the Issuer over the previous 12 months.

The remuneration of persons involved in producing this Document is not linked to the financial results achieved by the Brokerage House on transactions in the Issuer's financial instruments performed by the Brokerage House. Employees of the Brokerage House involved in producing the recommendation:

do not receive remuneration that is directly tied to transactions in the Brokerage House's services set out in Sections A and B of Annex I to Directive 2014/65/EU or other type of transaction the Brokerage House or any legal person that is part of the same group performs, or to trading fees the Brokerage House or any legal person that is part of the same group receives do not receive or buy shares in the Issuer prior to a public offering of such shares.

The Brokerage House or its affiliates may take part in transactions related to the Issuer's financing, provide services to the Issuer, intermediate in the provision of services by the Issuer, and have the possibility of executing or execute transactions in financial instruments issued by the Issuer or its affiliates, also prior to the presentation of this Document to its recipients.

There are no other circumstances potentially leading to conflicts of interest that would be subject to disclosure under the Regulation on Recommendations.

The Brokerage House pays careful attention to numerous risks related to investments in financial instruments. Investing in financial instruments carries a high degree of risk of losing some or all funds invested. Trigon Dom Maklerski S.A. is the owner of the trademarks, service marks and logos presented in this Document. The Brokerage House owns the copyrights to this Document and the contents of this Document. Any publication, dissemination, copying, use or provision of this Document (or any part hereof) to any third party in any manner other than its legally sanctioned use requires the Brokerage House's consent.

Due to certain legal limitations, this Document may not be directly or indirectly provided, made available or issued in jurisdictions where its dissemination may be restricted by local law. Persons providing or disseminating this Document are obliged to be familiar with and observe such limitations.

It is assumed that each person (organisational unit) that receives, accepts or consents to receiving this Document, by doing so:

accepts every disclaimer stated above;

confirms that they have read the Trigon Dom Maklerski S.A. Terms and Conditions of Research and Recommendation Services (available at: www.trigon.pl, referred to as the "Terms & Conditions") and accepts them:

agrees to be provided with a one-time research and recommendation service by the Brokerage House through receiving access to this Document, in accordance with the Terms & Conditions and subject to the disclaimers contained in or published with this Document, with the proviso that: (1) the service is limited to the free-of-charge provision of this Document and use of this Document by its recipient, (2) the service contract is valid only for the time of using this Document by its recipient.

This Document is not an offer within the meaning of Art. 66 of the Polish Civil Code, does not purport to provide any investment, legal or accounting advice, does not constitute an advertisement, an offer to sell or a solicitation of offers to subscribe for or purchase any financial instruments, nor is it a basis for entering into any other agreement or creating any other obligation.

Date and time when the production of the recommendation was completed: 22.10.2024 08:20. Date and time when it was first disseminated: 22.10.2024 08:25