Equity Update Baader Bank: Back on track

Recommendation: Buy

Target price: €5.20 12 - months horizon

Current share price: €4.19 * price as of 01/10/2024, 23:59 CEST

Sector: Financials

We raise our 12m target price to EUR 5.20 and upgrade our recommendation from HOLD to BUY after the surprisingly strong H1 24 and a substantial increase in profitability, on the back of rebounding markets and steadily growing client base.



Favorable short-term environment; mid-term support from volumes

Baader's profitability in the first half of the year not only exceeded our estimates, but also the management's original forecast by a multiple factor. Both growing client volumes and strongly increasing stock market turnover contributed to the excellent H1 24 result, which exceeded H1 23 by a factor of 7x and the entire FY 23 by 5.1x. Management's unsurprising upgrade of FY 24 guidance would imply a normalization of earnings in H2 24, but we dare to see a somewhat conservative flavor. Even if FY24 does not reach the record results of 2020/21, it could be the third best year in Baader Bank's history. Management has correctly recognized the rise in key rates and has appropriately started to diversify the revenue generation with additional interest-based income since 2023, in addition to various expansions of partnerships with brokers and high-end brokers, which should also provide a decent inflow of clients in the coming years.

The stock gained 23% YTD trading at a 2024e P/E ratio of 10x with a ROE of 11%. The favorable environment for the industry, including market makers and brokers, is reflected in the re-rating of competitors in Germany and foreign markets. Essentially, market players expect a strong 2024, but current consensus expectations point to a moderate upward trend in revenues and profits after 2024e. We have penciled-in flattish revenues and a slight increase in pre-tax profit until 2026e, but emphasize at this point that due to the sensitivity of the trading business and the dependence on external factors, the medium-term forecasts are subject to a high degree of uncertainty and are significantly higher than those of commercial banks. As a result of the increase in medium and longterm forecasts, discounted by a higher cost of equity (to reflect the dependence on external factors), we raise our 12m TP to EUR 5.20 (from EUR 3.50), with an implied upside potential of 24%, and raise our recommendation from HOLD to BUY.



October 7, 2024 16:07 CEST

Equity Update: Baader Bank

Recommendation, Target Price

Favorable short-term environment; mid-term support from volumes

> Key financial data 2

> > 3

6

Baader Bank back on track with a H1 24 which reminds of the best times

Lifting our mid-term estimates with cautious optimism

Baader benefited from growing trading turnover

Strong performance of peers

Higher 12m TP triggers 8 recommendation upgrade

Disclaimer

Analyst 14

Jovan SIKIMIC

Analyst Editor +43 1 71707-5601 jovan.sikimic@rbinternational.com



Key financial data

BUY	
Price 04.10.2024	4.2
Price target	5.2
Market cap.	205.4
(tot. shares, in EUR mn)	
Free float	28%
Free float in EUR mn	58.1
Avg. daily turnover	0.02
(12 m) in EUR mn	
Bloomberg	BWB GY
Reuters	BLMG.DE



Income statement (EUR mn)	12/2021	12/2022	12/2023	12/2024e	12/2025e	12/2026e
Net interest income	-1.6	4.9	35.8	48.3	38.7	32.9
Net fee & commission	12.9	73.6	79.5	103.4	113.7	121.7
Net trading result	185.0	53.2	37.4	59.9	68.9	81.3
Total operating income	196.3	131.7	152.8	211.6	221.3	235.9
Losses on loans and advances	0.0	0.0	0.0	0.0	0.0	0.0
Administrative expenses	-139.5	-147.4	-166.9	-195.7	-202.7	-212.8
Earnings from ordinary activities	57.4	12.2	4.0	33.1	36.0	40.9
Net profit before minorities	46.8	8.9	2.8	19.9	27.0	30.7
Net profit after minorities	46.6	8.9	2.8	19.9	27.0	30.7
Adjusted net profit	46.6	8.7	2.8	19.9	27.0	30.7
Balance sheet (EUR mn)						
Cash & central bank	149	160	31	46	62	80
Loans & advances to customers	99	91	132	145	160	176
Securities	100	615	427	461	498	538
Goodwill	12	15	20	23	25	27
Customer deposits	1,498	1,994	3,546	3,901	4,291	4,720
Debt securities issued	0	0	0	0	0	0
Subordinated capital	0	0	0	0	0	0
Shareholders' equity	164	165	166	185	206	229
Minority interests	1	1	1	1	1	1
Total assets & liabilities	1,820	2,377	3,939	4,336	4,772	5,251
Market capitalisation	303	206	164	204	204	204
Profitability (%)						
Return on assets	3.5%	0.4%	0.1%	0.5%	0.6%	0.6%
Return on equity adjusted	32.9%	5.3%	1.7%	11.3%	13.8%	14.1%
Ratios (x)						
Loan growth	110.0%	-8.8%	45.8%	10.0%	10.0%	10.0%
Deposit growth	152.3%	33.2%	77.8%	10.0%	10.0%	10.0%
Loans/deposits	6.6%	4.5%	3.7%	3.7%	3.7%	3.7%
Tier 1 ratio	24.4%	23.9%	23.3%	20.8%	20.6%	18.8%
Equity/total assets	9.0%	7.0%	4.2%	4.3%	4.3%	4.4%
NII growth	-38.3%	-401.4%	630.6%	35.0%	-20.0%	-15.0%
Net F&C growth	-58.4%	471.0%	8.1%	30.0%	10.0%	7.0%
NIM on total assets	-0.1%	0.2%	1.1%	1.2%	0.8%	0.7%
Cost income ratio	71.1%	111.9%	109.2%	92.4%	91.6%	90.2%
NPL/customer loans LLP /customer loans	0.0% 0.00%	0.0% 0.00%	0.0% 0.00%	0.0%	0.0%	0.0%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Per share data (EUR)	1.00	0.18	0.06	0.41	0.55	0.63
EPS reported			0.06	0.41		
Earnings per share (adj.)	1.00 3.50	0.18 3.38	3.39	3.80	0.55 4.23	0.63 4.69
Book value per share Dividend per share	0.35	0.05	0.00	0.12	0.17	0.19
Payout ratio	35.1%	27.5%	0.00	30.0%	30.0%	30.0%
Valuation (x)	33.170	27.1070	0.070	23.370	33.370	00.070
PE reported	6.5	23.2	57.9	10.3	7.6	6.7
Adjusted PE ratio	6.5	23.8	57.7	10.3	7.6	6.7
Dividend yield	5%	1%	0%	3%	4%	4%
Price book value	1.9	1.2	1.0	1.1	1.0	0.9
Price/tangible book value	2.0	1.4	1.1	1.3	1.1	1.0
	2.0			0		

Source: Baader Bank, RBI/Raiffeise Research estimates



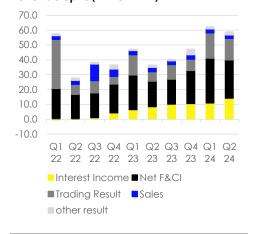
Baader Bank back on track with a H1 24 which reminds of the best times

After two disappointing years characterized by subdued markets and low trading volumes, Baader Bank returned to growth mode in line with the markets in the H1 24. When publishing the results for FY23 with a marginal pre-tax profit of EUR 4.0 mn, Baader Bank's management emphasized that it did not expect a major upturn in the current year 2024 and therefore guided a pre-tax result "slightly above the previous year's level". The Q1 24 results that followed shortly thereafter were a very positive surprise with a 32% yoy increase in revenues and a pre-tax profit that was more than double that of entire FY 23. Q2 24 delivered an even better picture, ending H1 24 with an impressive pre-tax profit of EUR 20.3 mn (7x vs H1 23 and 5.1x vs entire FY 23).

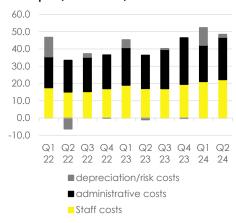
The main drivers in H1 24 were revenues in all areas, of which the trading result increased by 58% yoy, F&CI by 38% and NII by 68% compared to H1 23. While the latter was supported by the persistently high level of interest rates (margin-increasing inflows of customer deposits and a revival in the volume of Lombard loans), the trading result and F&CI benefited from a strong recovery in trading activity on the German stock exchanges. Order book turnover on the Tradegate exchange rose by 30% yoy in H1 24, while it increased by 2.5% yoy on FFT & Xetra. On the cost side, despite the 20% yoy increase in staff costs due to inflation and the variable component related to the significant growth in trading profit, only +11% yoy in administrative costs seems quite modest, especially after an investment-intensive FY 23 (partly due to the migration of Smartbroker clients).

While Q1 24 already indicated the very likely increase of the previously conservative FY 24 guidance, Q2 24 was a definite trigger for an increase. **Baader Bank now assumes an estimated pre-tax profit of between EUR 25-32 mn**, which means a significant decline in H2 24 pre-tax profit to around EUR 5-12 mn. Considering only two rate cuts since June (another cut to follow in Q4 according to RBIe) and still strong trading volumes on the exchanges (trading on Tradegate was up 30% yoy in Q3 24, but down 4% qoq vs. strong Q2 24), we think the new forecast is rather undemanding being aware of usually seasonally weaker H2s.

Revenue-split (in EUR mn)



Cost-split (in EUR mn)



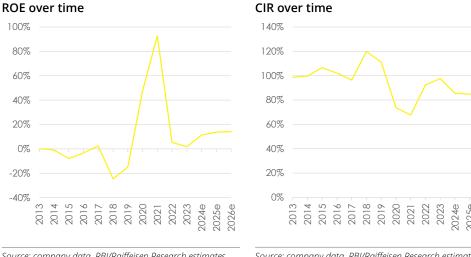
Source: company data

Source: company data



Lifting our mid-term estimates with cautious optimism

Parallel to the guidance uplift, we have adjusted our mid-term estimates after having digested the first half of 2024 and now expect the FY24e to return to higher profitability after two subdued years. Our new forecast of a pre-tax profit of EUR 33.1 mn for FY24e assumes no further allocation to the fund for general banking risks but some negative seasonality in trading revenues and costs (especially in Q4 24).

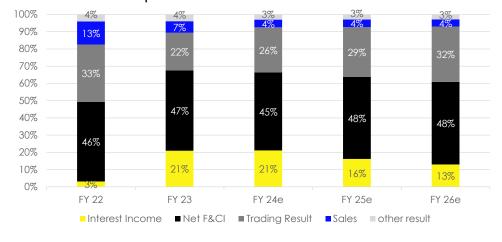


Source: company data, RBI/Raiffeisen Research estimates

Source: company data, RBI/Raiffeisen Research estimates

Numerous extensions of cooperation agreements for several years (including Smartbroker, finanzen.net Zero & Tradersplace) and investments in IT infrastructure should enable continued growth and high efficiency in market making in the coming years. Looking at the outlook for the brokerage market, FlatexDegiro, one of the leading brokers in the German-speaking region, expects to reach the upper end of its revenue (+5%-15% yoy growth) and net profit (+25%-50%) guidance for FY 24 while also consensus expects a steady increase in revenues throughout 2025e and 2026e. However, we note that Baader Bank's key positions are inherently dependent on external factors affecting market volatility and trading activity. In addition, we expect the NII to slowly normalize after the expected peak in H1 24, as the ECB cut rates again in September and is expected to continue these cuts in the foreseeable future, leading to a gradual decline in margins on deposits and Lombard loans.

Baader Bank Revenue Split



Source: company data, RBI/Raiffeisen Research estimates

On the cost side, we see an organic development in staff costs, which will increase by 25% yoy in FY24e due to an increase in salaries and higher activity-based trading payments. For administrative costs, after two investment-intensive years, we see a flat development for FY24 and a slight increase in the medium term. Therefore, we see a decline in the C/I



ratio for FY24e from previously 96% to 86%, which is still well above the level of the strong years 2020 & 2021 (C/I ratio between 70-75%).

The revenue distribution shows a strong takeover of NII especially in FY23, but also in FY24e so far (21% of total revenues in H1 24 vs. 3% in FY22). From 2025e onwards, we expect a steady decline in NII due to the expected ECB rate cuts and the resulting lower margins in Baader Bank's lending business, while trading and F&CI results make up for the lost ground.

Changes in mid-term estimates

in EUR mn	2023	2024e	2025e	2026e	2024e	2025e	2026e
		new	new	new	old	old	old
Interest Income	35.8	48.3	38.7	32.9	37.6	33.8	28.8
Net F&CI	79.5	103.4	113.7	121.7	81.1	83.6	89.4
Trading result	37.4	59.9	68.9	81.3	38.9	46.3	54.7
Sales	11.4	10.3	10.5	10.7	11.6	11.9	12.1
Other	6.7	6.8	7.0	7.1	6.8	7.0	7.1
Revenues	170.9	228.7	238.7	253.6	176.1	182.6	192.1
Staff costs	72.6	90.8	95.3	102.0	81.3	86.2	92.2
Administrative costs	90.6	90.6	92.4	95.2	83.4	81.7	84.1
Depreciation / risk costs	3.7	14.3	15.0	15.6	3.8	3.9	4.0
Expenses	166.9	195.7	202.7	212.8	168.5	171.8	180.4
Pre-Tax Profit	4.0	33.1	36.0	40.9	7.6	10.8	11.7
EPS (in EUR)	0.06	0.41	0.55	0.63	0.12	0.17	0.19
DPS (in EUR)	0.00	0.12	0.17	0.19	0.00	0.05	0.06
C/I Ratio (incl. risk costs & fund)	98%	86%	85%	84%	96%	94%	94%
ROE	2%	11%	14%	14%	4%	5%	5%

Source: Baader Bank, RBI/Raiffeisen Research estimates

Extensions of cooperation agreements with key partners

In the last two months, Baader Bank has **extended a number of cooperation agreements by several years**, including with established German brokers such as Tradersplace, Smartbroker and finanzen.net Zero. In addition to the expected inflow of new customers, these deals have also enabled the bank to expand its own product range in the crypto business, in which Baader Bank acts as a commission agent and offers custody of crypto assets for customers. Thanks to such deals and investments over the last two years, Baader Bank was able to reach a client base of almost 1.5 mn clients in H1 24 (+50% yoy) with total assets under management of EUR 38.2 bn (+63% yoy), corresponding to an average custody volume per client of EUR 26k (vs. EUR 21k in 2022).

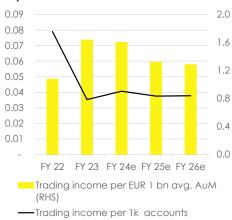
As, according to management, there are currently no major new deals and thus no new client migrations pending, we expect a lower increase at the client account level in FY25e (20%) and FY26e (15%) than in FY24e (31%), in which the first half already added in the first half of the year. The volume per custody account ratio rose from EUR 22k per client in FY23 to EUR 26k in H1 24, which is attributable to the migrated Smartbroker clients, who on average had significantly more funds in their accounts than the average Baader Bank client before. For the future, we expect slight increases in this area to up to EUR 30k by FY26e, which will also be supported by the expansion of the cooperation with sino AG, which is active in the heavy trading business.



Customer accounts vs. Assets under management



Trading result vs. Customer base (EUR mn)



Source: company data

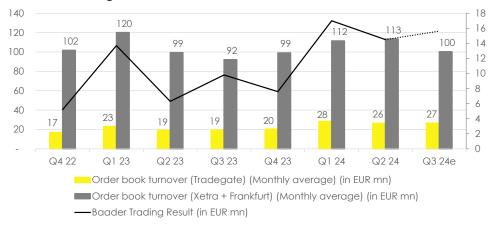
Source: company data, RBI/Raiffeisen Research

Baader benefited from growing trading turnover

After two difficult years, the **market environment has recovered** and trading activity on the German stock exchanges has increased noticeably again. While the level of trading on the Xetra and Frankfurt exchanges in Q1 24 was still below that of the same quarter of the previous year, Q2 24 saw significantly higher activity than Q2 24. The bounce-back effect was much more pronounced on the Tradegate exchange with a very strong H1 24 (+30% yoy), while Q3 24 saw a slightly lower performance than Q2 24 due to seasonal factors (-4% qoq) however also outperformed Q3 23 by an imperessive 30% yoy. Baader Bank is mainly active on the gettex exchange in Munich, for which the figures are not public, but the development of Baader Bank's trading result correlates significantly with the development of trading volumes on Tradegate, which is why we consider this to be a reasonable proxy for the trading result. In addition, the upcoming elections in the US and their impact on the international financial markets could boost trading activity in the last quarter of the year.

Baader Bank's trading result vs. order book volumes

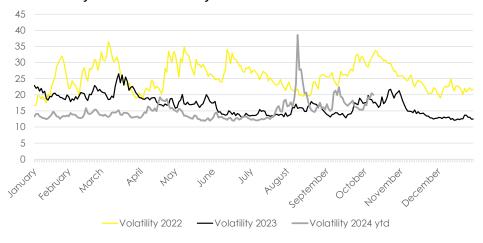
(Xetra-FFT & Tradegate)



Source: Deutsche Börse, Tradegate, company data



Global Volatility Index 2022 vs 2023 ytd

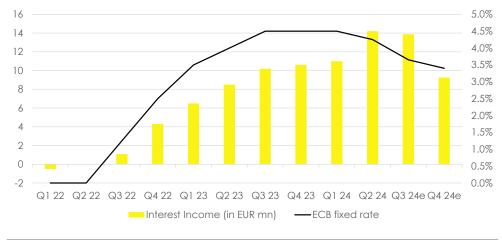


Source: Bloomberg

Lower rates should trigger NII normalization

Following the interest rate cut in June, the ECB has become active again and lowered the key interest rate again on September 18 to now 3.65%. It is unlikely that this rate cut will have a major impact on Baader Bank's NII in Q3 24e, although the effect is likely to be felt in Q4 24e, with a further rate cut of 15 basis points by the RBIe is expected in Q4 24e. For next year, our economists expect further rate cuts until the overall level falls by another 1%p to 2.65%. We assume that this will be reflected in Baader Bank's NII and forecast a yoy decline of -20% in this segment for FY 25e.

Baader Bank NII vs. ECB fixed rate



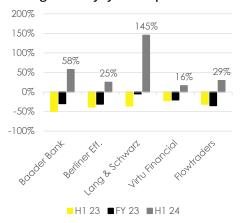
Source: company data, RBI/Raiffeisen Research estimates

Strong performance of peers

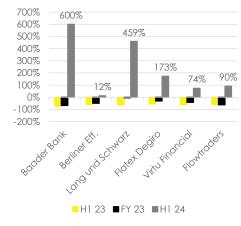
A recovery in trading results was observed not only at Baader Bank, but also at its competitors in the first half of the year. Lang & Schwarz made the biggest leap among the German market makers, with trading income up 145% yoy. This development was also reflected in the share price, where Lang & Schwarz rose by an impressive 115% YTD outperforming an also surging Baader Bank (+23% YTD). An upturn was also observed among international competitors, although it was less pronounced than on the local market. Virtu Financial's trading income appreciated by 16% yoy while that of Dutch Flowtraders (specializing in ETF market making) increased by 29% in the first half of the year. However, it should be emphasized that trading volumes and thus also trading results did not fall as sharply in FY 22 & 23 as for the German market makers, at Virtu Financial and on the US market. On the profitability side, however, Baader Bank recorded the strongest increase (7x yoy), followed by Lang & Schwarz with 5.6x yoy.



Trading result - yoy development



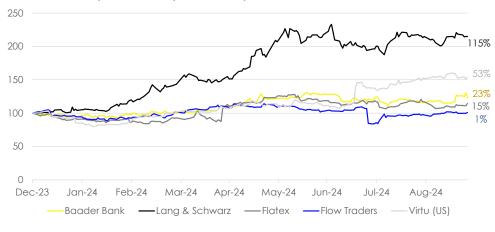
Pre-tax profit - yoy development



Source: company data, peer group data

Source: company data, peer group data

Baader Bank vs. peers: Share price development YTD



Source: Bloomberg

Higher 12m TP triggers recommendation upgrade

After a poor FY 23, for which the dividend was suspended, we expect Baader Bank to resume paying a dividend on the back of strong H1 24 results. Baader Bank will report its Q3 24 results on October 31.

Dividend Discount Gordon Growth model

in EUR	2024e	2025e	2026e	2027e	2028e	2029e	2030e	TV
BVPS	3.8	4.2	4.7	5.1	5.6	6.0	6.5	6.5
EPS growth*	600.2%	35.8%	13.5%	0.4%	0.1%	0.2%	-0.5%	4.0%
ROE adj.	11.3%	13.8%	14.1%	12.8%	11.8%	10.9%	10.1%	10.3%
EPS	0.41	0.55	0.63	0.63	0.63	0.63	0.63	0.0
DPS	0.12	0.17	0.19	0.19	0.19	0.19	0.19	0.0
LT risk free rate	2.40%	2.40%	2.50%	2.60%	2.65%	2.70%	2.90%	2.70%
Equity risk premium	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Company beta	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Cost of equity	9.6%	9.6%	9.7%	9.8%	9.9%	9.9%	10.1%	9.9%
Target P/B								1.1
Terminal value								6.9
DPS	0.12	0.17	0.19	0.19	0.19	0.19	0.19	0
Discounted DPS/TV	0.12	0.14	0.14	0.13	0.12	0.11	0.11	3.57
Fair value	4.38							

RBI/Raiffeisen Research estimates

The strong profitability of Baader Bank in H1 24 and upgraded new EPS estimates including new dividend expectations had a positive valuation effects in our Dividend Discount Gordon Growth Model (DDGG) although we have slightly lifted COE to account for increasing sensitivity on external factors. Furthermore, the strong performance of



major peers combined with higher mid-term expectations triggered additional boost to the new 12m TP. Applying the same valuation methodology with a DDGG model weighting of 70% and peer group multiples of 30%, we raise our price target from EUR 3.50 to EUR 5.20 and upgrade our recommendation from HOLD to BUY.

Peer group valuation and DDGG

Valuation model DDGG	weight 70%	TP 4.4
Dividend yield	10%	7.0
PER	10%	6.5
ROE - BV Regression	10%	7.8
Target price		5.20

Peer group overview

		P/E		Div.	yield			P/B			ROE	
Company	2024e 2	2025e 2	2026e	2024e	2025e	2026e 2	2024e 2	025e 2	2026e 2	2024e 2	2025e 2	2026e
Virtu	10.2	10.2	9.8	3.1%	3.1%	3.1%	3.2	3.0	1.5	35%	32%	30%
Cowen Inc	0.0	0.0	0.0	0.0%	0.0%	0.0%	0.0			12%		
Jefferies Fin. Group	20.9	13.9	11.5	2.1%	2.4%	2.7%	1.3	1.2		7%	9%	
Tradeweb Markets Inc	45.1	39.4	35.5	0.3%	0.4%	0.4%	4.9	4.6	4.1	11%	12%	12%
Flow Traders	9.9	9.2	7.6	1.5%	2.3%	2.6%	1.3	1.2	1.0	14%	13%	14%
ABC Arbitrage	15.6	13.3	11.5	6.6%	6.8%	7.6%	1.8	1.7	1.8	11%	13%	15%
Swissquote Group Holding	15.8	15.0	13.5	1.9%	2.0%	2.2%	4.0	3.4	2.9	29%	25%	24%
FlatexDegiro	12.8	11.4	10.2	0.0%	0.0%	0.0%	1.9	1.6	1.5	15%	14%	12%
Median	14.2	12.4	10.8	1.9%	2.3%	2.6%	1.8	1.6	1.5	13%	13%	13%
Baader Bank	10.1	7.5	6.6	3.0%	4.0%	4.6%	1.1	1.0	0.9	14%	13%	12%

Source: company data, Bloomberg

This company update was prepared with the active support of **Georgios Maniotis**, our associate analyst.



Disclosure

Baader Bank

- 3. RBI or one of its affiliated legal entities is a market maker or specialist or a designated sponsor or stabilisation manager or liquidity provider in financial instruments of the issuer.
- 6. RBI or one of its affiliated legal entities has entered into an agreement with the issuer on the provision of investment recommendations.

Risk notifications and explanations

Warnings:

- Figures on performance refer to the past. Past performance is not a reliable indicator for future results and the development of a financial instrument, a financial index or a securities service. This is particularly true in cases when the financial instrument, financial index or securities service has been offered for less than 12 months. In particular, this very short comparison period is not a reliable indicator for future results.
- Performance of a financial instrument, a financial index or a securities service is reduced by commissions, fees and other charges, which depend on the individual circumstances of the investor.
- The return on an investment in a financial instrument, a financial or securities service can rise or fall due to exchange rate fluctuations.
- Forecasts of future performance are based purely on estimates and assumptions. Actual future performance may deviate from the forecast. Consequently, forecasts are not a reliable indicator for future results and the development of a financial instrument, a financial index or a securities service.

This publication is a short term market comment, which is a summary of economic data and events, which are, among others, related to financial instruments and its issuers. This short term market comment is not explained in detail and does not contain a substantial analysis.

Any information and recommendations designated as such in this publication which are contributed by analysts from RBI's subsidiary banks are disseminated unaltered under RBI's responsibility.

A description of the concepts and methods used in the preparation of financial analyses is available under: www.raiffeisenresearch.com/concept_and_methods.

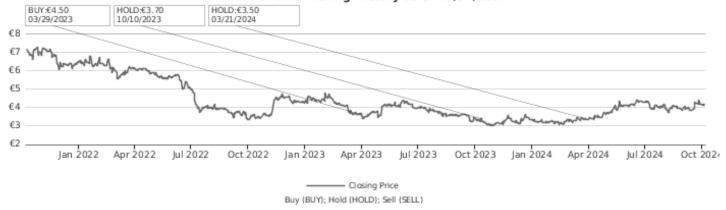
Detailed information on sensitivity analyses (procedure for checking the stability of potential assumptions made in the context of financial analyses) is available under: www.raiffeisenresearch.com/sensitivity_analysis.

Disclosure of circumstances and interests which may jeopardise the objectivity of RBI: www.raiffeisenresearch.com/ disclosuresobjectivity.

Detailed information on recommendations concerning financial instruments or issuers disseminated during a period of 12 month prior to this publication (acc. to Art. 4 (1) i) Commission Delegated Regulation (EU) 2016/958 of 9.3.2016) is available under: https://raiffeisenresearch.com/web/rbi-research-portal/recommendation_history.



Baader Bank Rating History as of 10/04/2024



History of long term recommendations			
Symbol	Date	Recommendation	Company
BLMG.DE	07.10.2024	Buy	Baader Bank
BLMG.DE	21.03.2024	Hold	Baader Bank
BLMG.DE	10.10.2023	Hold	Baader Bank

The distribution of all recommendations relating to the 12 months prior to the publications date (column A), as well as the distribution of recommendations in the context of which services of investment firms set out in Sections A (investment services and activities) and B (ancillary services) of Annex I of Directive 2014/65/EU of the European Parliament and of the Council ("special services") have been provided in the past 12 months (column B).

	Column A	Column B
Investment recommendation	Basis: All recommendations for all financial instruments (last 12 months)	Basis: Recommendations for financial instruments of all issuers, for which special services were rendered in the last 12 months
Buy recommendations	60.3%	56.8%
Hold recommendations	32.9%	37.4%
Sell recommendations	6.8%	5.8%

Disclaimer

Responsible for this publication: Raiffeisen Bank International AG ("RBI")

RBI is a credit institution according to §1 Banking Act (Bankwesengesetz) with the registered office Am Stadtpark 9, 1030 Vienna, Austria.

Raiffeisen RESEARCH is an organisational unit of RBI.

Supervisory authority: As a credit institution (acc. to § 1 Austrian Banking Act; Bankwesengesetz) Raiffeisen Bank International AG is subject to the supervision by the Austrian Financial Market Authority (FMA, Finanzmarktaufsicht) and the National Bank of Austria (OeNB, Oesterreichische Nationalbank). Additionally, RBI is subject to the supervision by the European Central Bank (ECB), which undertakes such supervision within the Single Supervisory Mechanism (SSM), which consists of the ECB and the national responsible authorities (Council Regulation (EU) No 1024/2013 - SSM Regulation). Unless set out herein explicitly otherwise, references to legal norms refer to norms enacted by the Republic of Austria.

This document is for information purposes and may not be reproduced or distributed to other persons without RBI's permission. This document constitutes neither a solicitation of an offer nor a prospectus in the sense of the Austrian Capital Market Act (Kapitalmarktgesetz) or the Austrian Stock Exchange Act (Börsegesetz) or any other comparable foreign law. An investment decision



in respect of a financial instrument, a financial product or an investment (all hereinafter "product") must be made on the basis of an approved, published prospectus or the complete documentation for such a product in question, and not on the basis of this document.

This document does not constitute a personal recommendation to buy or sell financial instruments in the sense of the Austrian Securities Supervision Act (Wertpapieraufsichtsgesetz). Neither this document nor any of its components shall form the basis for any kind of contract or commitment whatsoever. This document is not a substitute for the necessary advice on the purchase or sale of a financial instrument, a financial product or advice on an investment. In respect of the sale or purchase of one of the above mentioned products, your banking advisor can provide individualised advice suitable for investments and financial products.

This analysis is fundamentally based on generally available information and not on confidential information which the party preparing the analysis has obtained exclusively on the basis of his/her client relationship to a person.

Unless otherwise expressly stated in this publication, RBI deems all of the information to be reliable, but does not make any assurances regarding its accuracy and completeness.

In emerging markets, there may be higher settlement and custody risk as compared to markets with established infrastructure. The liquidity of stocks/financial instruments may be influenced, amongst others, by the number of market makers. Both of these circumstances can result in elevated risk in relation to the safety of investments made in consideration of the information contained in this document.

The information in this publication is current as per the latter's creation date. It may be outdated by future developments, without the publication being changed.

Unless otherwise expressly stated (www.raiffeisenresearch.com/special_compensation), the analysts employed by RBI are not compensated for specific investment banking transactions. Compensation of the author or authors of this report is based (amongst other things) on the overall profitability of RBI, which includes, inter alia, earnings from investment banking and other transactions of RBI. In general, RBI forbids its analysts and persons reporting to the analysts from acquiring securities or other financial instruments of any enterprise which is covered by the analysts, unless such acquisition is authorised in advance by RBI's Compliance Department.

RBI has put in place the following organisational and administrative agreements, including information barriers, to impede or prevent conflicts of interest in relation to recommendations: RBI has designated fundamentally binding confidentiality zones. These are typically units within credit institutions, which are isolated from other units by organisational measures governing the exchange of information, because compliance-relevant information is continuously or temporarily handled in these zones. Compliance-relevant information may fundamentally not leave a confidentiality zone and is to be treated as strictly confidential in internal business operations, including interaction with other units. This does not apply to the transfer of information necessary for usual business operations. Such transfer of information is limited, however, to what is absolutely necessary (need-to-know principle). The exchange of compliance-relevant information between two confidentiality zones may only occur with the involvement of the Compliance Officer.

SPECIAL REGULATIONS FOR THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND (UK): This document does not constitute either a public offer in the meaning of the Austrian Capital Market Act (Kapitalmarktgesetz; hereinafter "KMG") nor a prospectus in the meaning of the KMG or of the Austrian Stock Exchange Act (Börsegesetz). Furthermore, this document does not intend to recommend the purchase or the sale of securities or investments in the meaning of the Austrian Supervision of Securities Act (Wertpapieraufsichtsgesetz). This document shall not replace the necessary advice concerning the purchase or the sale of securities or investments. For any advice concerning the purchase or the sale of securities of investments kindly contact your RAIFFEISENBANK. This publication has been either approved or issued by RBI in order to promote its investment business. Raiffeisen Bank International AG ("RBI"), London Branch is authorised by the Austrian Financial Market Authority and subject to limited regulation by the Financial Conduct Authority ("FCA"). Details about the extent of its regulation by the FCA are available on request. This publication is not intended for investors who are Retail Customers within the meaning of the FCA rules and shall therefore not be distributed to them. Neither the information nor the opinions expressed herein constitute or are to be construed as an offer or solicitation of an offer to buy (or sell) investments. RBI may have affected an Own Account Transaction within the meaning of FCA rules in any investment mentioned herein or related investments and/or may have a position or holding in such



investments as a result. RBI may have been, or might be, acting as a manager or co-manager of a public offering of any securities mentioned in this report or in any related security.

SPECIFIC RESTRICTIONS FOR THE UNITED STATES OF AMERICA AND CANADA: This document may not be transmitted to, or distributed within, the United States of America or Canada or their respective territories or possessions, nor may it be distributed to any U.S. person or any person resident in Canada, unless it is provided directly through RB International Markets (USA) LLC ("RBIM"), a U.S. registered broker-dealer, and subject to the terms set forth below.

SPECIFIC INFORMATION FOR THE UNITED STATES OF AMERICA AND CANADA: This research document is intended only for institutional investors and is not subject to all of the independence and disclosure standards that may be applicable to research documents prepared for retail investors. This report was provided to you by RB International Markets (USA) LLC (RBIM), a U.S. registered broker-dealer, but was prepared by our non-U.S. affiliate Raiffeisen Bank International AG (RBI). Any order for the purchase or sale of securities covered by this report must be placed with RBIM. You can reach RBIM at 1177, Avenue of the Americas, 5th Floor, New York, NY 10036, phone +1 212-600-2588. This document was prepared outside the United States by one or more analysts who may not have been subject to rules regarding the preparation of reports and the independence of research analysts comparable to those in effect in the United States. The analyst or analysts who prepared this research (i) are not registered or qualified as research analysts with the Financial Industry Regulatory Authority ("FINRA") in the United States, and (ii) are not allowed to be associated persons of RBIM and are therefore not subject to FINRA regulations, including regulations related to the conduct or independence of research analysts.

The opinions, estimates and projections contained in this report are those of RBI only as of the date of this report and are subject to change without notice. The information contained in this report has been compiled from sources believed to be reliable by RBI, but no representation or warranty, express or implied, is made by RBI or its affiliated companies or any other person as to the report's accuracy, completeness or correctness. Securities which are not registered in the United States may not be offered or sold, directly or indirectly, within the United States or to U.S. persons (within the meaning of Regulation S under the Securities Act of 1933 ["the Securities Act"]), except pursuant to an exemption under the Securities Act. This report does not constitute an offer with respect to the purchase or sale of any security within the meaning of Section 5 of the Securities Act and neither shall this report nor anything contained herein form the basis of, or be relied upon in connection with, any contract or commitment whatsoever. This report provides general information only. In Canada it may only be distributed to persons who are resident in Canada and who, by virtue of their exemption from the prospectus requirements of the applicable provincial or territorial securities laws, are entitled to conduct trades in the securities described herein.

EU REGULATION NO 833/2014 CONCERNING RESTRICTIVE MEASURES IN VIEW OF RUSSIA'S ACTIONS DESTABILISING THE SITUATION IN UKRAINE

Please note that research is done and recommendations are given only in respect of financial instruments which are not affected by the sanctions under EU regulation no 833/2014 concerning restrictive measures in view of Russia's actions destabilising the situation in Ukraine, as amended from time to time, i.e. financial instruments which have been issued before 1 August 2014.

We wish to call to your attention that the acquisition of financial instruments with a term exceeding 30 days issued after 31 July 2014 is prohibited under EU regulation no 833/2014 concerning restrictive measures in view of Russia's actions destabilising the situation in Ukraine, as amended from time to time. No opinion is given with respect to such prohibited financial instruments.

INFORMATION REGARDING THE PRINCIPALITY OF LIECHTENSTEIN: COMMISSION DIRECTIVE 2003/125/EC of 22 December 2003 implementing Directive 2003/6/EC of the European Parliament and of the Council as regards the fair presentation of investment recommendations and the disclosure of conflicts of interest has been incorporated into national law in the Principality of Liechtenstein by the Finanzanalyse-Marktmissbrauchs-Verordnung

If any term of this Disclaimer is found to be illegal, invalid or unenforceable under any applicable law, such term shall, insofar as it is severable from the remaining terms, be deemed omitted from this Disclaimer. It shall in no way affect the legality, validity or enforceability of the remaining terms.

AARON ALBER

□ aaron.alber@rbinternational.com

 \Box



ALEXANDER FRANK

□ alexander.frank@rbinternational.com

Austria

OLEG GALBUR	PHILIP HETTICH	GREGOR KOPPENSTEINER
② Austria☑ ,☑ oleg.galbur@rbinternational.com	② Austria☑ philip.hettich@rbinternational.com	② Austria
JAKUB KRAWCZYK	HELGE RECHBERGER	MARKUS REMIS
② Austria☑ ,☑ jakub.krawczyk@rbinternational.com	② Austria☑ helge.rechberger@rbinternational.com	② Austria☑ markus.remis@rbinternational.com
RAPHAEL SCHICHO	ANDREAS SCHILLER	TERESA SCHINWALD
② Austria □ ,□ raphael.schicho@rbinternational.com	② Austria☑ andreas.schiller@rbinternational.com	② Austria☑ teresa.schinwald@rbinternational.com
MANUEL SCHLEIFER	JOVAN SIKIMIC	ROK STIBRIC
② Austria☑ ,☑ manuel.schleifer@rbinternational.com	② Austria☑ jovan.sikimic@rbinternational.com	② Austria☑ rok.stibric@rbinternational.com
ANA LESAR	ANA TURUDIC	ANDREEA-CRISTINA CIUBOTARU
 Croatia		
DANIELA POPOV		

BOJAN DURICKOVIC

bojan.durickovic@rbinternational.com

Imprint

daniela.popov@raiffeisen.ro

Information requirements pursuant to the Austrian E-Commerce Act

Raiffeisen Bank International AGRegistered Office: Am Stadtpark 9, 1030 ViennaPostal address: 1010 Vienna, Postfach 50Phone: +43-1-71707-1846Fax: +43-1-71707-1848

Company Register Number: FN 122119m at the Commercial Court of ViennaVAT Identification Number: UID ATU 57531200Austrian Data Processing Register: Data processing register number (DVR): 4002771S.W.I.F.T.-Code: RZBA AT WW

Supervisory Authorities: As a credit institution (acc. to § 1 Austrian Banking Act; Bankwesengesetz) Raiffeisen Bank International AG is subject to the supervision by the Austrian Financial Market Authority (FMA, Finanzmarktaufsicht) and the National Bank of Austria (OeNB, Oesterreichische Nationalbank). Additionally, RBI is subject to the supervision by the European Central Bank (ECB), which undertakes such supervision within the Single Supervisory Mechanism (SSM), which consists of the ECB and the national responsible authorities (Council Regulation (EU) No 1024/2013 - SSM Regulation). Unless set out herein explicitly otherwise, references to legal norms refer to norms enacted by the Republic of Austria.

Membership: Austrian Federal Economic Chamber, Federal Bank and Insurance Sector, Raiffeisen Association.

Statement pursuant to the Austrian Media Act

Publisher and editorial office of this publication Raiffeisen Bank International AGAm Stadtpark 9, A-1030 Vienna Media Owner of this publication Raiffeisen RESEARCH – Verein zur Verbreitung von volkswirtschaftlichen Analysen und Finanzmarktanalysen Stadtpark 9, A-1030 Vienna Executive Committee of Raiffeisen RESEARCH – Verein zur Verbreitung von volkswirtschaftlichen Analysen und Finanzmarktanalysen: Mag. Gunter Deuber (Chairman), Mag. Helge Rechberger (Vice-Chairman) Raiffeisen RESEARCH – Verein zur Verbreitung von volkswirtschaftlichen Analysen und Finanzmarktanalysen is constituted as state-registered society. Purpose and activity are (inter alia), the distribution of analysis, data, forecasts and reports and similar publications related to the Austrian and international economy as well as financial markets. Basic tendency of the content of this publication

Presentation of activities of Raiffeisen Bank International AG and its subsidiaries in the area of conducting analysis related to the Austrian and international
economy as well as the financial markets.

Creation time of this publication: 07/10/2024 16:07 P.M. (CEST);

First Dissemination of this publication: 07/10/2024 16:07 P.M. (CEST)



Publishing of analysis according to various methods of analyses covering economics, interest rates and currencies, government and corporate bonds, equities
as well as commodities with a regional focus on the euro area and Central and Eastern Europe under consideration of the global markets.

Producer of this publicationRaiffeisen Bank International AGAm Stadtpark 9, A-1030 Vienna