

PREOS Global Office Real Estate & Technology AG

Germany / Real Estate Xetra Bloomberg: PAG GR ISIN: DE000A2LQ850

Update

RATING UNDER REVIEW PRICE TARGET SUSPENDED

Return Potential n.a Risk Rating n.a

PLACING UNDER REVIEW ON LOW VISIBILITY

PREOS grew its portfolio significantly in H1/20 and in H2 unveiled its PropTech strategy designed to capitalise on digitalisation trends. However, expected financing rounds pivotal to our growth assumptions have not materialised. In late November, the company announced another postponement of a planned bond until H2/21. Inadequate portfolio and operating transparency make forecasting extremely difficult. Plus, a low ICR (H1/20 interest coverage ratio: 0.7x) and valuation risk coupled with the swap of GORE and PREOS Investor GmbH stakes undermine our confidence. The company is in talks with a potential strategic investor and hinted at a Q2/21 decision. This will likely result in a reshuffled management board. Until overall visibility improves, we withdraw our estimates, suspend our price target (old: €17.6) and place PREOS Under Review (old: Buy).

Low transaction transparency and "high" GORE valuation risk PREOS announced the disposal of its Duisburg and "TA2" properties in February, but no insightful financial information on the transactions was communicated. We believe the Duisburg property was part of the GORE portfolio, which we think the office landlord purchased for around €4m in 2018. Last July, PREOS swapped an 89.9% stake in its subsidiary PREOS Immobilien GmbH for a 59.9% stake in GORE German Office Real Estate AG to sharpen its focus on higher-priced, premium office space. According to publity AG's 23 November 2020 Securities Prospectus offering PREOS Tokens, the valuations for the respective companies factor in "future projected earnings" based on expected property acquisitions among other considerations. The Prospectus further notes in Section II.1.b. that "the risk that the carrying amount for the 59.9% equity interest in GORE German Office Real Estate AG to be recognised in the Share Issuer's HGB annual financial statements at 31 December 2020 will be significantly lower than the expected €179.8m to be high". PREOS announced on 10 March, that the €179.8m valuation is now likely to fall. . .

FINANCIAL HISTORY & PROJECTIONS

	2018	2019	2020E	2021E	2022E	2023E
Revenue (€m)	0.70	14.39	n.a.	n.a.	n.a.	n.a.
Y-o-y growth	2.7%	4.8%	n.a.	n.a.	n.a.	n.a.
EBIT (€m)	8.25	62.78	n.a.	n.a.	n.a.	n.a.
EBIT margin	3.0%	4.8%	n.a.	n.a.	n.a.	n.a.
Net income (€m)	31.32	413.35	n.a.	n.a.	n.a.	n.a.
EPS (diluted) (€)	1.57	5.77	n.a.	n.a.	n.a.	n.a.
DPS (€)	1.50	0.00	n.a.	n.a.	n.a.	n.a.
FCF (€m)	2.88	-7.19	n.a.	n.a.	n.a.	n.a.
Net gearing	0.1%	-0.1%	n.a.	n.a.	n.a.	n.a.
Liquid assets (€m)	1.33	61.41	n.a.	n.a.	n.a.	n.a.

RISKS

Risks include, but are not limited to, insufficient financing, weaker than expected trends for German office markets, failure to capture planned reversionary potential, or undershooting forecasted acquisitions.

COMPANY PROFILE

PREOS Global Office Real Estate & Technology AG is a real estate landlord specialised in the acquisition and optimisation of commercial properties throughout Germany. The company is also making inroads in PropTech and plans to internationalise operations.

MARKET DATA	As of 11 Mar 2021
Closing Price	€ 6.80
Shares outstanding	107.50m
Market Capitalisation	€ 731.00m
52-week Range	€ 6.20 / 17.30
Avg. Volume (12 Months)	32,043

Multiples	2019	2020E	2021E
P/FFO 2	n.a.	n.a.	n.a.
P/EPRA NAV	n.a.	n.a.	n.a.
FFO 2 Yield	n.a.	n.a.	n.a.
Div. Yield	n.a.	n.a.	n.a.

STOCK OVERVIEW



COMPANY DATA	As of 30 Jun 2020
Liquid Assets	€ 16.07m
Current Assets	€ 64.81m
Intangible Assets	€ 1,036.75m
Total Assets	€ 1,283.40m
Current Liabilities	€ 310.00m
Shareholders' Equity	€ 301.30m

SHAREHOLDERS

publity AG 86.5% Free Float 13.5%

... in the range of €80m to €125m according to the hidden reserves disclosed in the HGB financial statements. The final value hinges on the YE20 audit, but this uncertainty provides us with a further reason to withdraw our previous estimates.

In our view, PREOS' portfolio and reporting transparency is generally low compared to other commercial landlords and complicates our ability to track transactions, property valuations, and model forecasts with any degree of accuracy.

Low interest coverage ratio (ICR) is a concern Interest expenses of €23.5m exceeded rental income revenue of €18.1m in H1/20. Our assumption was that new financing would spur strong growth and that cash recycling from disposals would greatly accelerate to offset and reverse the shortfall. So far this has not sufficiently materialised. We are therefore unable to retain our prior estimates.

NEW STRATEGIC SHAREHOLDER IN THE WORKS

Major PREOS shareholder, publity AG, also announced that it is looking to sell a majority shareholding in PREOS to a strategic investor and that the terms of the transaction, including its exact scope and the future capitalisation of PREOS, are part of ongoing conversations. The closing of the transaction is targeted for the second quarter of 2021.

As signalled to the markets last September, Thomas Olek stepped down from the publity executive board as of 31 December 2020 and now serves as a consultant for the group. Mr Olek had been in talks with the PREOS Supervisory Board to become CEO, but this plan has been put on hold. PREOS' Supervisory Board subsequently appointed Stephan Noetzel to the Executive Board as COO alongside Frederik Mehlitz.

In the event that PREOS wins a new anchor investor, this may result in a further reshuffling of the management board. We can imagine that a new anchor investor will want a voice in the composition of the PREOS executive board and that Mr Olek will still be considered.

VALUATION

We have withdrawn our financial forecasts and suspended our valuation until operations become more transparent; we can better quantify risks and see improved clarity for financing envisioned growth.



INCOME STATEMENT

All figures in EUR '000	2018	2019	2020E	2021E	2022E	2023E
Revenue	698	14,394	n.a.	n.a.	n.a.	n.a.
Cost of sales	-28	-7,650	n.a.	n.a.	n.a.	n.a.
Revaluations & capital gains	8,265	101,683	n.a.	n.a.	n.a.	n.a.
Other operating income	2,506	4,407	n.a.	n.a.	n.a.	n.a.
Administration & other expenses	-517	-6,366	n.a.	n.a.	n.a.	n.a.
Depreciation & amortisation	-3	-64	n.a.	n.a.	n.a.	n.a.
Operating income	10,921	106,404	n.a.	n.a.	n.a.	n.a.
Net financial result	245	-12,020	n.a.	n.a.	n.a.	n.a.
Other financial expenses	-263	-14,224	n.a.	n.a.	n.a.	n.a.
Pre-tax income (EBT)	10,903	80,160	n.a.	n.a.	n.a.	n.a.
Income taxes	-22	46	n.a.	n.a.	n.a.	n.a.
Deferred taxes	-2,633	-13,893	n.a.	n.a.	n.a.	n.a.
Net income / loss (NI)	8,248	66,313	n.a.	n.a.	n.a.	n.a.
Other tax & income	0	0	n.a.	n.a.	n.a.	n.a.
Comprehensive NI	8,248	66,313	n.a.	n.a.	n.a.	n.a.
Minority interests	0	-3,533	n.a.	n.a.	n.a.	n.a.
Net income after minorities	8,248	62,780	n.a.	n.a.	n.a.	n.a.
Basic EPS (in €)	3.26	5.25	n.a.	n.a.	n.a.	n.a.
Diluted EPS (in €)	2.95	4.82	n.a.	n.a.	n.a.	n.a.
Adjusted EBITDA	2,659	4,785	n.a.	n.a.	n.a.	n.a.
Ratios						
Adj. EBITDA margin	380.9%	33.2%	n.a.	n.a.	n.a.	n.a.
Tax rate	0.2%	-0.1%	n.a.	n.a.	n.a.	n.a.
Expenses as % of revenues			n.a.	n.a.	n.a.	n.a.
Cost of sales	4.0%	53.1%	n.a.	n.a.	n.a.	n.a.
Administration & other expenses	74.1%	44.2%	n.a.	n.a.	n.a.	n.a.
Y-Y Growth						
Revenue	n.a.	1962.2%	n.a.	n.a.	n.a.	n.a.
Adj. EBITDA	n.a.	80.0%	n.a.	n.a.	n.a.	n.a.
Net income/ loss	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

BALANCE SHEET

All figures in EUR '000	2018	2019	2020E	2021E	2022E	2023E
Current assets, total	17,493	106,304	n.a.	n.a.	n.a.	n.a.
Cash and equivalents	1,333	61,414	n.a.	n.a.	n.a.	n.a.
Trade receivables	197	1,457	n.a.	n.a.	n.a.	n.a.
Assets held for sale	15,600	0	n.a.	n.a.	n.a.	n.a.
Other financial assets	212	38,561	n.a.	n.a.	n.a.	n.a.
Other ST assets	151	4,872	n.a.	n.a.	n.a.	n.a.
Non-current assets, total	80,053	806,562	n.a.	n.a.	n.a.	n.a.
Investment properties	17,000	612,101	n.a.	n.a.	n.a.	n.a.
Property, plant & equipment	12	471	n.a.	n.a.	n.a.	n.a.
Goodwill & other intangibles	0	123,912	n.a.	n.a.	n.a.	n.a.
Financial assets	61,351	55,847	n.a.	n.a.	n.a.	n.a.
Shares in companies at equity	1,690	1,103	n.a.	n.a.	n.a.	n.a.
Advanced payments	0	13,128	n.a.	n.a.	n.a.	n.a.
Total assets	97,546	912,866	n.a.	n.a.	n.a.	n.a.
Current liabilities, total	66,222	150,284	n.a.	n.a.	n.a.	n.a.
Trade payables	107	15,391	n.a.	n.a.	n.a.	n.a.
ST debt	64,553	130,330	n.a.	n.a.	n.a.	n.a.
Other current liabilities	1,562	4,563	n.a.	n.a.	n.a.	n.a.
Non-current liabilities, total	2,677	499,368	n.a.	n.a.	n.a.	n.a.
LT financial debt	0	299,915	n.a.	n.a.	n.a.	n.a.
Corporate debt	0	143,388	n.a.	n.a.	n.a.	n.a.
Deferred tax	2,677	20,042	n.a.	n.a.	n.a.	n.a.
Other financial liabilities	0	36,023	n.a.	n.a.	n.a.	n.a.
Shareholders' equity	28,647	256,565	n.a.	n.a.	n.a.	n.a.
Minority interests	0	6,649	n.a.	n.a.	n.a.	n.a.
Total equity	28,647	263,214	n.a.	n.a.	n.a.	n.a.
Total consolidated equity and debt	97,546	912,866	n.a.	n.a.	n.a.	n.a.
Ratios						
Current ratio (x)	0.3	0.7	n.a.	n.a.	n.a.	n.a.
Net debt	63,220	512,219	n.a.	n.a.	n.a.	n.a.
Net gearing	221%	200%	n.a.	n.a.	n.a.	n.a.
Loan to value (LTV)	198%	94%	n.a.	n.a.	n.a.	n.a.
Net LTV	194%	84%	n.a.	n.a.	n.a.	n.a.
Equity ratio	29%	28%	n.a.	n.a.	n.a.	n.a.
Interest coverage (ICR) (x)	31.7	0.3	n.a.	n.a.	n.a.	n.a.

^{*} According to IFRS reporting



CASH FLOW STATEMENT

All figures in EUR '000	2018	2019	2020E	2021E	2022E	2023E
Net income	8,248	66,313	n.a.	n.a.	n.a.	n.a.
Depreciation and amortisation	0	54	n.a.	n.a.	n.a.	n.a.
Write downs non-financial assets	247	13,637	n.a.	n.a.	n.a.	n.a.
Revaluation gains	-8,265	-101,683	n.a.	n.a.	n.a.	n.a.
At equity gains / losses	16	587	n.a.	n.a.	n.a.	n.a.
Net financial result	-467	-6,263	n.a.	n.a.	n.a.	n.a.
Tax result	2,632	13,893	n.a.	n.a.	n.a.	n.a.
Operating cash flow	2,411	-13,462	n.a.	n.a.	n.a.	n.a.
Change in trade rec & other assets	269	-44,724	n.a.	n.a.	n.a.	n.a.
Change in payable & other liabilities	22,204	53,577	n.a.	n.a.	n.a.	n.a.
Provisions and other liabilities	105	-3	n.a.	n.a.	n.a.	n.a.
Other non-cash expenses / income	-2,506	-4,574	n.a.	n.a.	n.a.	n.a.
Tax expense	0	-9	n.a.	n.a.	n.a.	n.a.
Operating cash flow	22,483	-9,195	n.a.	n.a.	n.a.	n.a.
Outflow for investment properties	-22,525	-242,797	n.a.	n.a.	n.a.	n.a.
Inflow from property disposals	0	15,520	n.a.	n.a.	n.a.	n.a.
Purchase of at equity investments	-1,706	0	n.a.	n.a.	n.a.	n.a.
Sale of subsidiaries	233	17,889	n.a.	n.a.	n.a.	n.a.
CapEx	0	-353	n.a.	n.a.	n.a.	n.a.
Change in financial assets	-17,362	526	n.a.	n.a.	n.a.	n.a.
Cash flow from investing	-41,360	-209,215	n.a.	n.a.	n.a.	n.a.
Free cash flow (FCF)	-18,877	-218,410	n.a.	n.a.	n.a.	n.a.
Equity inflow, net	19,850	0	n.a.	n.a.	n.a.	n.a.
Debt inflow, net	0	247,561	n.a.	n.a.	n.a.	n.a.
Corporate debt, net	0	30,975	n.a.	n.a.	n.a.	n.a.
Interest expense	0	0	n.a.	n.a.	n.a.	n.a.
Dividends paid	0	0	n.a.	n.a.	n.a.	n.a.
Others	0	-45	n.a.	n.a.	n.a.	n.a.
Cash flow from financing	19,850	278,536	n.a.	n.a.	n.a.	n.a.
Net cash flows	973	60,126	n.a.	n.a.	n.a.	n.a.
Cash, start of the year	360	1,333	n.a.	n.a.	n.a.	n.a.
Cash, end of the year	1,333	61,459	n.a.	n.a.	n.a.	n.a.
Adj. EBITDA / share (€)	0.05	0.05	n.a.	n.a.	n.a.	n.a.

^{*} According to IFRS reporting



Imprint / Disclaimer

First Berlin Equity Research

First Berlin Equity Research GmbH ist ein von der BaFin betreffend die Einhaltung der Pflichten des §85 Abs. 1 S. 1 WpHG, des Art. 20 Abs. 1 Marktmissbrauchsverordnung (MAR) und der Markets Financial Instruments Directive (MiFID) II, Markets in Financial Instruments Directive (MiFID) II Durchführungsverordnung und der Markets in Financial Instruments Regulations (MiFIR) beaufsichtigtes Unternehmen.

First Berlin Equity Research GmbH is one of the companies monitored by BaFin with regard to its compliance with the requirements of Section 85 (1) sentence 1 of the German Securities Trading Act [WpHG], art. 20 (1) Market Abuse Regulation (MAR) and Markets in Financial Instruments Directive (MiFID) II, Markets in Financial Instruments Directive (MiFID) II Commission Delegated Regulation and Markets in Financial Instruments Regulations (MiFIR).

Anschrift:

First Berlin Equity Research GmbH Mohrenstr. 34 10117 Berlin Germany

Vertreten durch den Geschäftsführer: Martin Bailey

Telefon: +49 (0) 30-80 93 9 680 Fax: +49 (0) 30-80 93 9 687 E-Mail: <u>info@firstberlin.com</u>

Amtsgericht Berlin Charlottenburg HR B 103329 B

UST-Id.: 251601797

Ggf. Inhaltlich Verantwortlicher gem. § 6 MDStV

First Berlin Equity Research GmbH

Authored by: Ellis Acklin, Senior Analyst

All publications of the last 12 months were authored by Ellis Acklin.

Company responsible for preparation: First Berlin Equity Research GmbH, Mohrenstraße 34, 10117

The production of this recommendation was completed on 12 March 2021 at 15:28

Person responsible for forwarding or distributing this financial analysis: Martin Bailey

Copyright© 2021 First Berlin Equity Research GmbH No part of this financial analysis may be copied, photocopied, duplicated or distributed in any form or media whatsoever without prior written permission from First Berlin Equity Research GmbH. First Berlin Equity Research GmbH shall be identified as the source in the case of quotations. Further information is available on request.

INFORMATION PURSUANT TO SECTION 85 (1) SENTENCE 1 OF THE GERMAN SECURITIES TRADING ACT [WPHG], TO ART. 20 (1) OF REGULATION (EU) NO 596/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF APRIL 16, 2014, ON MARKET ABUSE (MARKET ABUSE REGULATION) AND TO ART. 37 OF COMMISSION DELEGATED REGULATION (EU) NO 2017/565 (MIFID) II.

First Berlin Equity Research GmbH (hereinafter referred to as: "First Berlin") prepares financial analyses while taking the relevant regulatory provisions, in particular section 85 (1) sentence 1 of the German Securities Trading Act [WpHG], art. 20 (1) of Regulation (EU) No 596/2014 of the European Parliament and of the Council of April 16, 2014, on market abuse (market abuse regulation) and art. 37 of Commission Delegated Regulation (EU) no. 2017/565 (MiFID II) into consideration. In the following First Berlin provides investors with information about the statutory provisions that are to be observed in the preparation of financial analyses.

CONFLICTS OF INTEREST

In accordance with art. 37 (1) of Commission Delegated Regulation (EU) no. 2017/565 (MiFID) II and art. 20 (1) of Regulation (EU) No 596/2014 of the European Parliament and of the Council of April 16, 2014, on market abuse (market abuse regulation) investment firms which produce, or arrange for the production of, investment research that is intended or likely to be subsequently disseminated to clients of the firm or to the public, under their own responsibility or that of a member of their group, shall ensure the implementation of all the measures set forth in accordance with Article 34 (2) lit. (b) of Regulation (EU) 2017/565 in relation to the financial analysts involved in the production of the investment research and other relevant persons whose responsibilities or business interests may conflict with the interests of the persons to whom the investment research is disseminated. In accordance with art. 34 (3) of Regulation (EU) 2017/565 the procedures and measures referred to in paragraph 2 lit. (b) of such article shall be designed to ensure that relevant persons engaged in different business activities involving a conflict of interests carry on those activities at a level of independence appropriate to the size and activities of the investment firm and of the group to which it belongs, and to the risk of damage to the interests of clients.

In addition, First Berlin shall pursuant to Article 5 of the Commission Delegated Regulation (EU) 2016/958 disclose in their recommendations all relationships and circumstances that may reasonably be expected to impair the objectivity of the financial analyses, including interests or conflicts of interest, on their part or on the part of any natural or legal person working for them under a contract, including a contract of employment, or otherwise, who was involved in producing financial analyses, concerning any financial instrument or the issuer to which the recommendation directly or indirectly relates.

With regard to the financial analyses of PREOS Global Office Real Estate & Technology AG the following relationships and circumstances are exist which may reasonably be expected to impair the objectivity of the financial analyses: The author, First Berlin, or a company associated with First Berlin reached an agreement with the PREOS Global Office Real Estate & Technology AG for preparation of a financial analysis for which remuneration is owed.

Furthermore, First Berlin offers a range of services that go beyond the preparation of financial analyses. Although First Berlin strives to avoid conflicts of interest wherever possible, First Berlin may maintain the following relations with the analysed company, which in particular may constitute a potential conflict of:

- The author, First Berlin, or a company associated with First Berlin owns a net long or short position exceeding the threshold of 0,5 % of the total issued share capital of the analysed company;
- The author, First Berlin, or a company associated with First Berlin holds an interest of more than five percent in the share capital of the analysed company;



- The author, First Berlin, or a company associated with First Berlin provided investment banking or consulting services for the analysed company within the past twelve months for which remuneration was or was to be paid;
- The author, First Berlin, or a company associated with First Berlin reached an agreement with the analysed company for preparation of a financial analysis for which remuneration is owed;
- The author, First Berlin, or a company associated with First Berlin has other significant financial interests in the analysed company;

With regard to the financial analyses of PREOS Global Office Real Estate & Technology AG the following of the aforementioned potential conflicts of interests or the potential conflicts of interest mentioned in Article 6 paragraph 1 of the Commission Delegated Regulation (EU) 2016/958 exist: The author, First Berlin, or a company associated with First Berlin reached an agreement with the PREOS Global Office Real Estate & Technology AG for preparation of a financial analysis for which remuneration is owed.

In order to avoid and, if necessary, manage possible conflicts of interest both the author of the financial analysis and First Berlin shall be obliged to neither hold nor in any way trade the securities of the company analyzed. The remuneration of the author of the financial analysis stands in no direct or indirect connection with the recommendations or opinions represented in the financial analysis. Furthermore, the remuneration of the author of the financial analysis is neither coupled directly to financial transactions nor to stock exchange trading volume or asset management fees.

INFORMATION PURSUANT TO SECTION 64 OF THE GERMAN SECURITIES TRADING ACT [WPHG], DIRECTIVE 2014/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 15 MAY 2014 ON MARKETS IN FINANCIAL INSTRUMENTS AND AMENDING DIRECTIVE 2002/92/EC AND DIRECTIVE 2011/61/EU, ACCOMPANIED BY THE MARKETS IN FINANCIAL INSTRUMENTS REGULATION (MIFIR, REG. EU NO. 600/2014).

First Berlin notes that is has concluded a contract with the issuer to prepare financial analyses and is paid for that by the issuer. First Berlin makes the financial analysis simultaneously available for all interested security financial services companies. First Berlin thus believes that it fulfils the requirements of section 64 WpHG for minor non-monetary benefits.

PRICE TARGET DATES

Unless otherwise indicated, current prices refer to the closing prices of the previous trading day.

AGREEMENT WITH THE ANALYSED COMPANY AND MAINTENANCE OF OBJECTIVITY

The present financial analysis is based on the author's own knowledge and research. The author prepared this study without any direct or indirect influence exerted on the part of the analysed company. Parts of the financial analysis were possibly provided to the analysed company prior to publication in order to avoid inaccuracies in the representation of facts. However, no substantial changes were made at the request of the analysed company following any such provision.

ASSET VALUATION SYSTEM

First Berlin's system for asset valuation is divided into an asset recommendation and a risk assessment.

ASSET RECOMMENDATION

The recommendations determined in accordance with the share price trend anticipated by First Berlin in the respectively indicated investment period are as follows:

Category			2	
Current market	capitalisation (in €)	0 - 2 billion	> 2 billion	
Strong Buy ¹	An expected favourable price trend of:	> 50%	> 30%	
Buy	An expected favourable price trend of:	> 25%	> 15%	
Add	An expected favourable price trend of:	0% to 25%	0% to 15%	
Reduce	An expected negative price trend of:	0% to -15%	0% to -10%	
Sell	An expected negative price trend of:	< -15%	< -10%	

¹ The expected price trend is in combination with sizable confidence in the quality and forecast security of management.

Our recommendation system places each company into one of two market capitalisation categories. Category 1 companies have a market capitalisation of $\in 0 - \in 2$ billion, and Category 2 companies have a market capitalisation of $> \in 2$ billion. The expected return thresholds underlying our recommendation system are lower for Category 2 companies than for Category 1 companies. This reflects the generally lower level of risk associated with higher market capitalisation companies.

RISK ASSESSMENT

The First Berlin categories for risk assessment are low, average, high and speculative. They are determined by ten factors: Corporate governance, quality of earnings, management strength, balance sheet and financial risk, competitive position, standard of financial disclosure, regulatory and political uncertainty, strength of brandname, market capitalisation and free float. These risk factors are incorporated into the First Berlin valuation models and are thus included in the target prices. First Berlin customers may request the models.

RECOMMENDATION & PRICE TARGET HISTORY

Report No.:	Date of publication	Previous day closing price	Recommendation	Price target
Initial Report	19 November 2019	€8.65	Add	€7.30
2	12 November 2020	€11.10	Buy	€17.60
3	Today	€6.80	Under review	Suspended

INVESTMENT HORIZON

Unless otherwise stated in the financial analysis, the ratings refer to an investment period of twelve months.



UPDATES

At the time of publication of this financial analysis it is not certain whether, when and on what occasion an update will be provided. In general First Berlin strives to review the financial analysis for its topicality and, if required, to update it in a very timely manner in connection with the reporting obligations of the analysed company or on the occasion of ad hoc notifications.

SUBJECT TO CHANGE

The opinions contained in the financial analysis reflect the assessment of the author on the day of publication of the financial analysis. The author of the financial analysis reserves the right to change such opinion without prior notification.

Legally required information regarding

- key sources of information in the preparation of this research report
- valuation methods and principles
- sensitivity of valuation parameters

can be accessed through the following internet link: https://firstberlin.com/disclaimer-english-link/

SUPERVISORY AUTHORITY: Bundesanstalt für Finanzdienstleistungsaufsicht (German Federal Financial Supervisory Authority) [BaFin], Graurheindorferstraße 108, 53117 Bonn and Marie-Curie-Straße 24-28, 60439 Frankfurt am Main

EXCLUSION OF LIABILITY (DISCLAIMER)

RELIABILITY OF INFORMATION AND SOURCES OF INFORMATION

The information contained in this study is based on sources considered by the author to be reliable. Comprehensive verification of the accuracy and completeness of information and the reliability of sources of information has neither been carried out by the author nor by First Berlin. As a result no warranty of any kind whatsoever shall be assumed for the accuracy and completeness of information and the reliability of sources of information, and neither the author nor First Berlin, nor the person responsible for passing on or distributing the financial analysis shall be liable for any direct or indirect damage incurred through reliance on the accuracy and completeness of information and the reliability of sources of information.

RELIABILITY OF ESTIMATES AND FORECASTS

The author of the financial analysis made estimates and forecasts to the best of the author's knowledge. These estimates and forecasts reflect the author's personal opinion and judgement. The premises for estimates and forecasts as well as the author's perspective on such premises are subject to constant change. Expectations with regard to the future performance of a financial instrument are the result of a measurement at a single point in time and may change at any time. The result of a financial analysis always describes only one possible future development – the one that is most probable from the perspective of the author – of a number of possible future developments.

Any and all market values or target prices indicated for the company analysed in this financial analysis may not be achieved due to various risk factors, including but not limited to market volatility, sector volatility, the actions of the analysed company, economic climate, failure to achieve earnings and/or sales forecasts, unavailability of complete and precise information and/or a subsequently occurring event which affects the underlying assumptions of the author and/or other sources on which the author relies in this document. Past performance is not an indicator of future results; past values cannot be carried over into the future.

Consequently, no warranty of any kind whatsoever shall be assumed for the accuracy of estimates and forecasts, and neither the author nor First Berlin, nor the person responsible for passing on or distributing the financial analysis shall be liable for any direct or indirect damage incurred through reliance on the correctness of estimates and forecasts.

INFORMATION PURPOSES, NO RECOMMENDATION, SOLICITATION, NO OFFER FOR THE PURCHASE OF SECURITIES

The present financial analysis serves information purposes. It is intended to support institutional investors in making their own investment decisions; however in no way provide the investor with investment advice. Neither the author, nor First Berlin, nor the person responsible for passing on or distributing the financial analysis shall be considered to be acting as an investment advisor or portfolio manager vis-à-vis an investor. Each investor must form his own independent opinion with regard to the suitability of an investment in view of his own investment objectives, experience, tax situation, financial position and other

The financial analysis does not represent a recommendation or solicitation and is not an offer for the purchase of the security specified in this financial analysis. Consequently, neither the author nor First Berlin, nor the person responsible for passing on or distributing the financial analysis shall as a result be liable for losses incurred through direct or indirect employment or use of any kind whatsoever of information or statements arising out of this financial analysis.

A decision concerning an investment in securities should take place on the basis of independent investment analyses and procedures as well as other studies including, but not limited to, information memoranda, sales or issuing prospectuses and not on the basis of this document.

NO ESTABLISHMENT OF CONTRACTUAL OBLIGATIONS

By taking note of this financial analysis the recipient neither becomes a customer of First Berlin, nor does First Berlin incur any contractual, quasi-contractual or pre-contractual obligations and/or responsibilities toward the recipient. In particular no information contract shall be established between First Berlin and the recipient of this information.

NO OBLIGATION TO UPDATE

First Berlin, the author and/or the person responsible for passing on or distributing the financial analysis shall not be obliged to update the financial analysis. Investors must keep themselves informed about the current course of business and any changes in the current course of business of the analysed company.

DUPLICATION

Dispatch or duplication of this document is not permitted without the prior written consent of First Berlin.

SEVERABILITY

Should any provision of this disclaimer prove to be illegal, invalid or unenforceable under the respectively applicable law, then such provision shall be treated as if it were not an integral component of this disclaimer; in no way shall it affect the legality, validity or enforceability of the remaining provisions.

APPLICABLE LAW, PLACE OF JURISDICTION

The preparation of this financial analysis shall be subject to the law obtaining in the Federal Republic of Germany. The place of jurisdiction for any disputes shall be Berlin (Germany).

NOTICE OF DISCLAIMER

By taking note of this financial analysis the recipient confirms the binding nature of the above explanations.

By using this document or relying on it in any manner whatsoever the recipient accepts the above restrictions as binding for the recipient.

QUALIFIED INSTITUTIONAL INVESTORS

First Berlin financial analyses are intended exclusively for qualified institutional investors.

This report is not intended for distribution in the USA and/or Canada.