

EQUITY NOTE: ZWACK UNICUM

Recommendation: HOLD (unchanged)

Target price (12M): HUF 17,083 (revised up)

15 Dec 2020

Equity Analyst: Orsolya Rátkai

Phone: +36 1 374 7270

Email: ratkaio@otpbank.hu

We maintain our HOLD recommendation for Zwack Unicum (Zwack HB; ZWCG.BU) with a new 12M target price of 17,083 HUF/share, revised up from previous 15,407 HUF/share.

With better-than-expected revenue and profit figures in the July-September period, Zwack gave evidence of its ability to swiftly recover once things normalize. However, it is mild comfort regarding the current business year. The second-wave restrictions implemented in November, hitting on-the-site consumption, endanger on-trade sales again as half of Zwack's revenues come from the restaurant industry. The present restrictions can also be a drag on retail sales of spirits even in the Christmas season as festivities are expected to be disallowed.

However, covid vaccines are within reach, which is expected to totally change the landscape. With mass vaccination starting up next year, business as usual may return by the middle of the year/second half of 2021. Considering this, we updated our free cashflow valuation and dividend discount models, and shifted the forecast horizon by one year. Uncertainties on short-term forecast are still high and the schedule of vaccination in Hungary is yet to be published, adding considerable downside risks to our forecast. On the other hand, if immunization proceeds as it is hoped, domestic tourism and restaurant industry is expected to recover quickly and Zwack will benefit from this development. This fact may add upside risk to our forecast.

The new target price is 1.4% higher than the HUF 16,850 closing price on 14 December 2020. Expected total return is 4.1% on a 12-month horizon, supposing that dividend payment after the current business year also befalls in the next 12 months. (As it was announced, Zwack starts dividend payment after the FY 2020/2019 at the end of January 2021.)

Zwack Unicum's shares dropped 4.5% YTD, while the BUX lost 8.1% this year. In Q3 2020 Zwack sank 2.7% with a quarterly range of HUF 16,800–16,100; and the BUX index declined 8.1%.

Summary/Earnings Highlights

- Zwack reported higher-than-expected HUF 3.4bn net sales revenue in July-September 2020. Net sales revenues added 0.2% YoY, with domestic revenues gaining 0.9% and exports dropping 3.9% in HUF terms. On a quarterly basis, Zwack's revenues showed strong recovery, with net revenues jumping almost 50% in July-September after lockdowns and other restrictions severely hit revenues in the previous quarter.
- As restrictions were lifted, on-trade sales badly hit by the closure of restaurants and bars showed recovery in the summer months, but revenues in September faded again as worries about second wave strengthened.



- With falling cumulative sales in the first two quarters of the business year, Zwack's costs also decreased as many cost items are related to sales and marketing activities. As a consequence, profitability improved a lot and quarterly EBIT and EBITDA rates rose stronger than one year ago. We note that this improvement is not expected to persist: as cumulative revenues declined provisionally due to the special environment the pandemic created, the costs linked to sales activity will also reappear as the market recovers.
- Net profit turned positive after HUF 33 net loss in April-June: Zwack closed the July-September period with HUF 685 million net profit (60% YoY) and HUF 337 quarterly EPS. However, the 12-month trailing EPS declined to HUF 829 vs HUF 1,058 a year ago.
- This and next year's outlook, however, still bears some uncertainty, but the real effectiveness of covid vaccines and the timing of mass immunisation are not certain either. With covid vaccines within reach, the whole economic landscape is expected to change for the better, vaccination is expected to act as a potential supercharger for the economies.
- We have updated our valuation models and shifted the forecast horizon by one year. We still expect the current business year's EPS to fall to HUF 440, from HUF 833 in 2019/2020 but the focus is on the 2021-2026 period. Next business years' sales revenue is forecast to climb HUF 13.9bn, EBIT and EBITDA are expected to increase to HUF 1.9bn and HUF 2.5bn, respectively. EPS of the next financial year is expected to reach HUF 706.
- The new HUF 17,083 target price reflects our expectations for the next 12 months, although the uncertainty regarding the schedule of vaccination in Hungary still lingers. We maintain our HOLD recommendation and we note that, if Zwack maintains its regular payment and dividend payout after the current business year will not be postponed, then shareholders may get dividends of two business years in 12 months' time.

Financial highlights of Zwack's FQ2 2020 earnings report

Financial Q2 (HUFm)	2020 July-Sep	2019 July-Sep	YoY Change
Domestic sales	2 992	2 966	1%
Export sales	414	431	-4%
Net sales income	3 406	3 397	0%
Material-type costs	1 288	1 194	8%
Gross profit	2 117	2 203	-4%
Personnel costs	636	691	-8%
Depreciation	117	129	-9%
Other operating			
expenses	680	1 022	-33%
Total operating expenditures	1 433	1 842	-22%
Other incomes	124	176	-30%
EBIT	808	537	50%
Pre-tax profit	806	538	50%
Tax	121	109	11%
After-tax profit	685	429	60%

Financial Q2 (HUFm)	2020 July-Sep	2019 July-Sep	YoY Change
EPS (HUF)	337	211	60%
4Q-rolling EPS (HUF)	829	1058	-22%
EBITDA (HUFm)	925	666	39%
Gross profit rate	62.2%	64.9%	-2.7 pp
EBIT rate	23.7%	15.8%	7.9 pp
EBITDA rate	27.2%	19.6%	7.6 pp
ROE	11.6%	8.7%	2.9 pp
4Q-rolling ROE	37.9%	39.2%	-1.3 pp
ROA	5.1%	3.8%	1.3 pp
4Q-rolling ROA	17.3%	19.9%	-2.6 pp

Sources: Zwack Unicum, OTP Research



Sales performance brought some relief ahead of the second wave. Zwack's sales performance in the July-September period reflected the improvement of the economic environment after lockdown restrictions had been eased. Net sales revenues increased to better-than-expected HUF3.4bn, 47% up in quarter/quarter comparison. Over the past year, revenues remained flat, which is practically in line with the sales performance of the food and beverages industry in the July–September period.

Domestic revenues added 1% YoY and 48% QoQ. In the April—June period, domestic revenues plunged 24% YoY. After lockdown restrictions had been gradually eased in May, and bars and restaurants had reopened, on-trade sales, which normally delivers about half of Zwack's revenues, also revived in the summer. Growing concerns over the second wave however, set back restaurants' turnover again in September, Zwack announced.

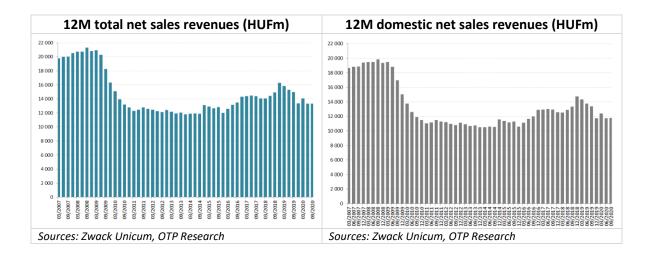
Zwack's revenues from the retail segment declined 12% YoY in the April-September period with presumably double-digit growth in July-September, after having stagnated in the financial first quarter (April-June). At the same time, the retail turnover in April-September increased by 3.1% in volume and 7.9% in current prices, market research data reflect.

In terms of quality segments, sales of Zwack's prime products fell slightly more than 15% YoY in the first six months of the current business year, after plunging 30% in the April–June period. Quality products' turnover growth slowed in the past quarter to near 7% from around 9% in April–June.

Sales of own production also recovered somewhat in the past quarter as revenues decreased by 3% YoY after a 20% plunge in the April–June period.

Revenues from the distributed portfolio nose-dived in the April-June period, with 37% YoY plunge and sales of Diageo products falling 31%. The recovery arrived in the consecutive quarter as the revenue decline slowed to 3% YoY in the distributed portfolio, with strong revenue growth in the Diageo segment but persistently eroding revenues in the segments of other traded products.

However, exports' revenues were still dragged down in the past quarter. Although export sales jumped 38% in quarter/quarter terms, year/year comparison showed 4% drop. In the April–June period, when lockdown restriction affected revenue dynamics the most, Zwack's export sales fell more than domestic revenues did, and its recovery in the past quarter was also fainter.





With recovering revenues, profitability recalling better times also returned in the July–September period. As demand recovered and revenues gained momentum, profitability also improved. In the April-June and the July-September periods, material-type costs remained at the same level as in normal times, snapping about 38% of total net sales. Gross profit stood at 62% in the quarter ending 30 September, slightly below the long-term average as material-type costs were 8% higher than a year before, mainly due to the HUF's depreciation.

With recovering revenues and year/year decreasing costs, Zwack's profitability rates made a big step upwards from the low levels of the April-June period. The 23.7% EBIT rate (FQ1: 0.9%) and 27.2% EBITDA rate (FQ1: 5.9%) in the past quarter reflect considerable improvement – not only in quarterly but on a yearly basis as well. Despite the general wage increase at the beginning of the current business year and higher payroll, personnel expenses dropped YoY as social contribution tax and other cost items linked to dividend payment have declined. The pandemic also helped save marketing costs, as promotional events had to be cancelled during the quarter and probably in the remaining part of the year as well.

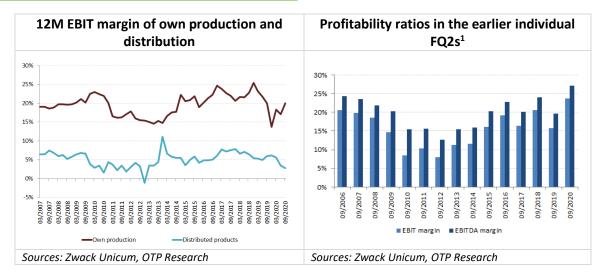
We note that the profitability improvement is not expected to be a permanent phenomenon as cost saving is related to the special economic environment the pandemic brought. With sales activity and thus revenue growth returning, sales-related marketing costs are also expected to 'recover'.

As a result of fallen costs, quarterly EBIT increased to HUF 808m, 51% higher than a year earlier, and EBITDA rose to HUF 925m (+39% YoY). Comparing last quarter's profitability figures to previous FQ2s', we arrive at the surprising fact that those in the latest quarter were the best in the past 14 years. Although Zwack had to deal with some financial loss due to higher than usual interest expenses stemming from higher indebtedness, pre-tax profit also jumped 50% in one year. Net quarterly profit increased to higher-than-expected HUF 685m, showing 60% bottom-line growth in a year's time.

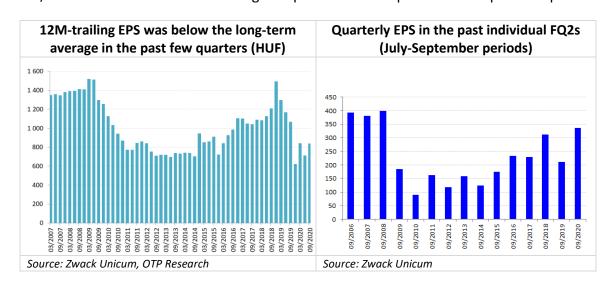
Segment information also reflects improving profitability in the July-September period: own production's operating margin jumped to 28% while the one of the distributed portfolio turned positive after the previous two quarters' negative margins. 12M profitability rates are a different story, with 12M trailing EBIT rate of on production climbing up from historic lows in the last quarter of 2019 but the same indicator of the distributed portfolio eroded further.

(As we wrote earlier, Zwack announced changes to its accounting policy, effective from the start of 2019. The modifications affect mainly the accounting of material costs, other incomes and other costs, while some changes in the accounting of certain allowances (bonuses for long service and retirement bonuses) have direct effect on retained earnings. Zwack publishes its financial reports in accordance with the new accounting rules, but enables YoY comparison for the base periods only (financial Q4 2017/2018 and the consecutive quarters). Therefore, long-term comparisons cannot be really precise.)





Zwack's liquidity and leverage remained sound during the pandemic. At the beginning of the current year, Zwack made important B/S adjustments to fend off the economic unease arising from the covid epidemic. The management decided to stockpile more Unicum in the wake of the covid crisis in order to get prepared for raw material shortages or shutdowns in case of worsening pandemic situation. In April-June, inventories remained at this elevated level and in the past quarter inventories climbed further, presumably as the company was preparing for the Christmas season. Previously, Zwack reported that it had stockpiled raw materials and a special stock of finished products, to handle shortages or production disruption if a second wave of the epidemic occurs. In the July-September period Zwack's liquidity ratios improved in quarterly and yearly terms as well. At the same time, leverage slightly dropped compared to the previous quarter, yet it stands above the figure registered in last year's corresponding quarter. Net debt/EBITDA and total debt/EBITDA ratios also reflect the slight improvement compared to the April-June period.



Comments

 Stable consumer demand and growing domestic retail sales characterised the market of spirits before the covid outbreak, but the pandemic put a break on growth in Q2. However, Q3 brought recovery. The retail market of distilled beverages expanded by 3.1% in real terms and by nearly 8% in current prices, market survey data for the April-September period show. This means obviously

¹ Financial data for April-June 2017 or earlier are not revised in line with the changes in the accountancy policy implemented as of January 1, 2019



faster growth compared to 1.5% real term growth and 5.6% growth in current prices, registered in the April-June period.

- Retail trade statistics from KSH (Hungarian Central Statistical Office) show slower developments in the FMCG sector: retail trade in shops selling foods, beverages and tobacco increased by 1.0% YoY in the July-September period, after almost 5% drop in the previous quarter, according to the seasonally and working day-adjusted data.
- Zwack reported better-than-expected sales figures for July-September 2020 as demand returned after restrictions had been eased. After the lockdown was lifted in the middle of May in Hungary, and a week later in Budapest and in the county of Pest, sales activity slowly recuperated in the on-trade segment, and it gathered momentum during the summer as well. However, the suspension of mass gatherings remained a drag on recovery and the restrictions due to the second wave of pandemic introduced in November gave a further blow to the hospitality sector.
- In these circumstances, short-term outlook for the remaining part of the year is gloom, as on-trade segment fails to support revenues to get back to the pre-covid path. Service sector PMIs in Europe also reflect deteriorating short-term outlook for the service industries as the latest figures in October and November failed to show the improvement that occurred in the manufacturing industries.
- Although Q4 is a very strong season for Zwack, with on-site consumption prohibited, retail segment is not expected to offset the lack of on-trade revenues.
 Zwack earlier forecast yearly net profit to decline by over 80% YoY in this financial year, but in its latest announcement the company did not reiterate this expectation.
- The fact that covid vaccines are within reach may drastically change the outlook and may help the battered hospitality and other service industries to recover, starting from 2021. Nevertheless, this development cannot save the current business year for Zwack. The next business year, from the middle of 2021, however, may witness swift recovery once mass vaccination against covid begins.

Conclusions

- The current situation, with second-wave restrictions implemented, makes short-term forecasting challenging. The prohibition of on-the-site consumption in restaurants and the introduction of night curfew from 8pm to 5am reduces spirit consumption in bars and restaurant practically to zero, as the lack of Christmas and New Year's festivities will also take its toll on spirit consumption.
- We maintain our earlier forecasts of HUF 11.3bn net sales revenues and HUF 1.2bn
 EBIT in the current business year. EPS is expected to decline to HUF 440, although we see risks lying on the downside.
- In this scenario, we expect revenues to increase to HUF 13.9bn in FY 2021/2022, with EBIT to climb to 1.9bn and net income to reach 1.4bn. We emphasize that the current forecast bears considerable downside risks due to the uncertainties regarding the successfulness and the timing of the vaccination. On the other hand, if vaccination proceeds as it is hoped, Zwack will definitely benefit from the quick restoration of the domestic tourism and restaurant businesses.
- We made some modifications in our valuation models and shifted the forecast horizon by one year. Accordingly, our DCF (FCFE) model resulted in 18,176



HUF/share target price, up from the previous 15,206 HUF/share. Valuation from DDM reflecting future dividend payments also increased: the 12-month target price the model gave is HUF 16,180, up from the previous HUF 15,607.

- The new target price is 17,083 HUF/share, 1.4% higher than the HUF 16,850 closing price on 14 December 2020. Calculating with 300 HUF/share yearly dividend after FY 2019/2020, scheduled to be paid out in January 2021, plus HUF 165 expected DPS after the current business year, the 12-month estimated total return would be 4.1%.
- We maintain the previous HOLD recommendation.

Profit & Loss Statement (HUF m)	2017/2018	2018/2019	2019/2020	2020/2021F	2021/2022F	2022/2023
Domestic net sales	12 418	14 238	12 281	10 114	12 477	13 658
Export sales	1 540	1 501	1 679	1 137	1 441	1 592
Net sales income	13 958	15 739	13 960	11 251	13 917	15 250
Material-type costs	5 149	5 723	5 287	4 613	5 428	5 795
Gross profit	8 809	10 016	8 673	6 638	8 490	9 455
Total operating						
expenditures	6 599	7 355	6 965	5 726	7 016	7 564
EBIT	2 561	3 079	2 169	1 224	1 885	2 439
Pre-tax profit	2 563	3 310	2 184	1 201	1 867	2 441
Tax	377	460	488	306	429	561
Profit after tax	2 186	2 850	1 696	895	1 437	1 880
Dividend	2 137	2 442	611	336	719	1 692
EPS (HUF)	1 074	1 288	833	440	706	924
DPS (HUF)	1 050	1 200	300	165	353	831

Balance sheet (HUFm)	2017/2018	2018/2019	2019/2020F	2020/2021F	2021/2022F	2022/2023
Property, plant, equipment	3 205	3 330	3 336	3 548	3 513	3 477
Intangible assets	89	84	102	92	83	75
Non-current assets	3 447	3 582	3 585	3 807	3 766	3 729
Inventories	2 185	2 386	2 661	2 574	3 002	2 608
Recievables and other						
current assets	2 275	2 115	3 007	3 622	3 396	2 923
Cash and cash equivalents	2 770	3 064	2 709	2 955	2 785	2 991
Current assets	7 230	7 565	8 377	9 151	8 363	8 521
TOTAL ASSETS	10 677	11 147	11 962	12 958	12 130	12 250
Share capital	2 000	2 000	2 000	2 000	2 000	2 000
Capital reserve	165	165	165	165	165	165
Retained earnings	4 392	4 915	4 011	4 296	4 076	5 033
Total Equity	6 557	7 080	6 176	6 461	6 241	7 198
Long-term loans and other						
liabilities	410	472	453	417	400	384
Non-current liabilities	410	472	453	417	400	384
Loans and credits	0	0	1 250	2 500	1 250	220
Payables and other short-						
term liabilities	3 384	3 567	4 071	3 545	4 164	4 375
Current Liabilities	3 710	3 595	5 333	6 080	5 488	4 668
TOTAL EQUITY AND						
LIABILITIES	10 677	11 147	11 962	12 958	12 130	12 250



CONSOLIDATED CASH FLOW	W (HUFm)					
	2017/2018	2018/2019F	2019/2020F	2020/2021F	2021/2022F	2022/2023F
EBITDA	3 049	3 643	2 646	1 701	2 479	3 101
Cash flow from operation	2 854	3 215	1 482	399	2 490	4 507
Cash flow from investment	-765	-655	-480	-679	-533	-605
FCFF	2 089	2 560	1 002	-280	1 956	3 902
FCFE	2 091	2 563	2 264	814	831	2 874

Sources: Zwack Unicum, OTP Research

Deduction of 12M Target Price

	Base Year							FCFE in the
Zwack's valuation (HUFm)	2019/2020	2020/2021*	2021/2022*	2022/2023*	2023/2024*	2024/2025*	2025/2026*	explicit period
FCFE	2 264	814	831	2 874	2 034	2 781	2 804	
Discount factor	0,92	0,92	0,91	0,91	0,91	0,91	0,91	
DCF	2 076	745	760	2 623	1 854	2 519	2 540	10 295
Terminal Value (HUFm)								35 59
Net Present Value - FCFE (HUFm)								32 839
Net debt								-1 006
Equity value (HUFm)								33 845
Number of shares								2 035 000
Expected return on equity								9,3%
12M Target price (DCF)								18 170
12M Target price (DDM)								16 180
12M Weighted Target price (HUF) - Dec 31, 2021								17 083
Current price								16 850
Upside/Downside								1,49
TR Upside/Downside								4,19

Source: OTP Research

Risks surrounding Zwack's economic activity

Covid-effect: Although Zwack operates in the non-cyclical consumer sector, a considerable part of demand for Zwack products comes from the catering and event business, the sectors that took the biggest hit from covid-19. While the pandemic had a positive effect on Zwack's sales performance in the January-March period, April sales plunged. We expect calendar Q2 and Q3 to be the most depressed quarters this year. With restrictions lifted, Zwack's revenues showed recovery in Q3, but September was also somewhat depressed in the wake of the second wave of pandemic. With on-site consumption prohibited and night curfew introduced, the new restrictions implemented in November added a further blow to the restaurant industry. Zwack is likely to lose a considerable part of its on-trade revenue in the last quarter of 2020. But the covid vaccines are gamechangers, and with mass immunization the economic damages of pandemic are expected to quickly diminish. Once covid vaccination starts in Hungary, the hospitality sector is expected to revive and Zwack may easily be one of the recovery's beneficiaries.

Regulatory risk: In recent years, regulatory changes in the industry caused headwinds to the company's profitability. The most notable was the liberalization of spirit distillation at home in small quantities in 2010. The EU lately expressed criticism of discriminative taxing policy of spirits in Hungary and threatened to start infringement process against Hungary. The latest regulatory changes (increase of NETA), which took effect on 1 January 2019, were aimed to resolve this conflict with the EU and increase budget revenues at the same time.

In the summer, the EU's decision-making body modified the initiative on the taxation of home-distillery of 'palinka'. According to the new regulation, every citizen of full age in



the EU is entitled to distil tax-free 86 litres of fruit spirits a year. Hungary will introduce the new regulation from 1 January 2021.

Exchange-rate risk: As the company operates in foreign markets as well, and the share of exports among revenues is increasing, in case of HUF appreciation, the exchange rate risk can be an issue, if not managed properly. The HUF's weakening poses more risk on the cost side, as most of Zwack's raw material prices are EUR-denominated, so a significant depreciation of the HUF against the EUR could weigh on the company's profitability. That can be counterbalanced to a certain extent by the higher export revenue in HUF.

Cost-inflation risk: Due to the improving economic conditions and labour shortages in various industries, real wages started to increase significantly in 2016 and kept rising since then. This landscape is hardly expected to change in the near future. As Zwack's business is rather labour-intensive (the share of personnel cost in total costs is around 20%), it will be heavily affected by persistently high wages, which could dent profitability.



Notes:

The initiation report, which contains the assumptions of the models used, is available here.

The valuation methodology used in this present equity research note to determine our price targets and recommendations is available here. (Also available in Hungarian)

This investment recommendation has not used proprietary models.

The risk warning, which includes the adequate explanations of the length of time of the investment to which the recommendation relates as well as a sensitivity analysis of the assumptions, is indicated in the part of this recommendation where the length of time and the risks of the investment are presented.

Any information relating to the date and time for the price mentioned in this recommendation is revealed in the part of the recommendation where the given price is indicated.

OTP Bank Plc's recommendations and price targets history for Zwack Unicum in the past twelve months:

Period	Recommendation	% of recommendations
	BUY	0
Q4 2019	HOLD	100
	SELL	0
	BUY	0
Q1 2020	HOLD	100
	SELL	0
	BUY	0
Q2 2020	HOLD	100
	SELL	0
	BUY	0
Q3 2020	HOLD	100
	SELL	0

Date	Recommendation	Target Price	Publication
04/02/2020	HOLD	HUF 15,685	Quarterly Earnings Update
21/05/2020	HOLD	HUF 15,214	Quarterly Earnings Update
05/06/2020	HOLD	HUF 15,214	News Comment
10/06/2020	HOLD	HUF 15,214	News Comment
07/08/2020	HOLD	HUF 15,407	Quarterly Earnings Update
15/12/2020	HOLD	HUF 17,083	Quarterly Earnings Update

The list of all recommendations made in the past 12 months is available here.



Disclaimer 1

This research/commentary was prepared by the assignment of the Budapest Stock Exchange Ltd. (registered seat: 1054 Budapest, Szabadság tér 7. Platina torony I. ép. IV. emelet; company registration number: 01-10-044764, hereinafter: BSE) under the agreement that was concluded by and between BSE and OTP Bank Plc (registered seat: H-1051 Budapest, Nádor utca 16., Hungary, company registration number: 01-10-041585, hereinafter: OTP Bank or Investment Service Provider).

The BSE shall not be liable for the content of this research/commentary, especially for the accuracy and completeness of the information therein and for the forecasts and conclusions. The Service Provider is entitled to all copyrights regarding this research/commentary however BSE is entitled to use and advertise/disseminate it without amending its content.

This research/commentary shall not be qualified as investment advice specified in Point 9 Section 4 (2) of Act No. CXXXVIII of 2007 on Investment Firms and Commodity Dealers and on the Regulations Governing their Activities. Furthermore, this document shall not be qualified as an offer or call to tenders for the purchase, sale or hold of the financial instrument(s) concerned by the research/commentary.

Disclaimer 2

- 1. Pursuant to the Commission-delegated regulation 2017/565/EU of the European Parliament, the content of this document shall be considered as an investment research, which recommends or suggests an investment strategy, explicitly or implicitly concerning one or more financial instruments or the issuers of financial instruments, including any opinion as to the present or future value or price of such instruments. The statements in this investment research contain objective or independent explanation. Furthermore, pursuant to Directive 2014/65/EU of the European Parliament and of the Council, this document shall be considered as investment recommendation. This document does not take into account investors' individual interests, circumstances, or objectives; therefore, in the absence of personal recommendation, it shall not be considered as an investment advice.
 - OTP Bank intends to make this document available to its clients or to the public, or to make it accessible to other persons in a way that allows this document to be disseminated to the public.
- 2. Information herein reflects the market situation at the time of writing. It provides only momentary information and may change as market conditions and circumstances develop. Additional information may be available on request. Where a figure relates to a period on or before the date of communication, the figure relates to the past and indicates a historic data. Past performance is not a reliable indicator of future results and shall be not treated as such. OTP Bank makes no representation or warranty, express or implied, is made regarding future performance of any financial instrument mentioned in this communication. OTP Bank shall have no liability for the information contained in this for any loss or damage whether direct, indirect, financial, economic, or consequential, whether or not caused by the negligent act or omission of OTP Bank, provided that such limitation of liability shall not apply to any liability which cannot be excluded or limited under the applicable law.
- 3. The issuer of this report does not claim that the information presented herein is perfectly accurate or complete. However it is based on sources available to the public and widely believed to be reliable. Also the opinions and estimates presented herein reflect a professional subjective judgment at the original date of publication and are therefore subject to change thereafter without notice. Furthermore there can be no guarantees that any market developments will unfold as forecasted. Opinions and estimates constitute our judgment and are subject to change without notice.
- 4. The issuer(s) of the product(s) mentioned in this document do not hold more than 5% of OTP Bank's registered capital. OTP Bank is a market maker of the financial instrument that is discussed in this document. Neither was OTP Bank a lead-manager (organizer) or joint lead manager (organizer) of any public placement of the issuer's financial instruments (e.g. securities) in the previous 12 months. Regarding investment services defined in Sections A and B of Annex 1 of Directive 2014/65/EU, OTP Bank is not a party of the agreement with the issuer. OTP Bank maintains a conflict of interest policy and it keeps such records, and is has requirements that regulate the transmission of bank secrets and securities secrets, which requirements shall be considered as the effective internal organizational and management solutions as well as information barriers to prevent or manage conflicts of interest. The remuneration of the person(s) participating in preparing the recommendation is not directly



related to the transactions carried out as part of the investment services specified in Sections A and B of Annex 1 of Directive 2014/65/EU, or to transactions carried out by them or by other legal entities of the same group or to trading fees that they or another legal person of the same group receive. OTP Bank does not hold net long or short positions that exceed 0.5% threshold of the issuer's total registered capital.

- 5. OTP Bank has developed appropriate internal procedures for (i) the personal transactions and tradings of financial analysts and other relevant persons, (ii) the physical separation of the financial analysts involved in the production of investment research and other relevant persons; moreover, information barriers have been implemented, (iii) for accepting and managing incentives and remuneration.
- 6. This communication does not contain a comprehensive analysis of the described issues; it is only for information purposes. No part, chapter, or the entirety of this information shall be considered as investment advice, not even if any part of this document contains a description of a certain financial instrument in terms of its possible price or yield development, and the related investment options. This information shall not be considered as legal, tax or accounting advice.
- 7. This information reflects the market situation at the time when the document was prepared. You may request more information from OTP Bank. This document was prepared based on publicly accessible information made available to OTP Bank from one or more sources. This document was prepared using data, facts and information from the following essential sources: Bloomberg, Reuters, Hungarian Central Statistical Office, Eurostat, Magyar Nemzeti Bank (Hungary's central bank), and European Central Bank (ECB). Although the information in this document has been prepared in good faith from sources that OTP Bank believes to be reliable, we do not represent or warrant its accuracy or completeness. This document represents the opinion and estimations of analysts at OTP Research, based on publicly available data. You may receive different recommendation from the staff of OTP Bank, in particular if you are provided investment advice based on an investment advice agreement. The content of this document is based on the opinion of OTP Research's analyst at the time when the document was prepared, and they may be subject to change at any time in the future without further notice.
- 8. Please be informed that, irrespective of the statements of this investment research, OTP Bank is entitled to deal or trade as market maker, acting in good faith and in accordance with the usual way of market-making, with the financial instruments distributed by the issuer(s) specified in this document, as well as to provide other investment activities or ancillary (investment) services, and/or other financial or ancillary financial services to the issuer and other persons.
- 9. This document shall not be a basis for any further analysis in relation to the financial instruments contained therein. Any reference in this document to the future distribution of a financial instrument shall be construed as indicative, preliminary and informative, and any analysis of such financial instrument is exclusively based on publicly available information listed in the respective prospectus or announcement. The content of this document shall not imply that OTP Bank acts as an agent, a fiduciary, or an advisor to, or on behalf on, any prospective purchaser of the financial instruments discussed herein.
- 10. For certain persons, access to the products and/or services discussed in this document may not be granted, or it may be limited. The act of preparing this document by OTP Bank, its uploading to the website, its publication may under no circumstances be considered as OTP Bank's intention to make available product and/or service information in the prospectus to persons whom any country or state prohibits from having or obtaining the given product and/or service, including the promotion and the advertisement thereof. This communication and any of the financial instruments and information contained herein are not intended for the use of private investors in the UK and US. OTP Bank is not allowed to provide direct investment services to US investors. Any individual decision or investment made based on this publication is made solely at the risk of the client and OTP Bank shall not be held responsible for the success of the investment decisions or for attaining the Client's target.
- 11. This publication contains generic presentation of information and knowledge, thus it does not take into account the individual clients' unique and special interests, financial condition, or their ability and willingness to take risks. Therefore please contact our staff or contact your banking consultant for advice before you make an investment decision. The assessment and the consideration of the individual circumstances is provided by the suitability and



compliance tests that assess clients' financial knowledge, experience, risk-taking abilities, as well as the examination of the target market.

- 12. Before making an informed decision to invest and to use the services, please carefully read through all documents, including the documentation, prospectus, regulations, terms and conditions, announcements and key information documents for that product/service, and carefully consider the subject, the risk, the fees and costs of your investment, the possibility of any loss, and seek information about the tax regulations regarding the product and the investment. The prices of financial instruments and securities are changing, outrights sales are realized at then current market prices, which may involve losses. The information and opinions in this document do not substitute or take the place of the issuance documentation for the given financial assets (e.g. prospectus, fund management rules), or their brochures or announcements.
- 13. You assume total responsibility and risk for any specific decision or investment; OTP Bank shall not be held responsible for the effectiveness of investment decisions or for reaching your purpose, nor for the individual investment decision made based on this document or any part thereof, or for their consequences.

 Investments in financial instruments carry a certain degree of risk, which may affect the effectiveness of the investment decision, and investors may not receive the whole amount they had expected the investment to yield in their investment targets; they may not preserve even the invested amount, therefore the invested capital might even decrease, be wholly lost, or even lead to additional payment obligation.
- 14. Trading with leveraged products (such as foreign exchange contracts, or shares and indices that have underlying products) carries a considerable amount of risk, and these products are not suitable for all investors. Trading with leveraged products carries the risk of losing all capital, and it may incur losses that exceed the amount invested.
- 15. The figures and information described herein refer to the past, and past performance is not a reliable indicator of future yields, changes, or performance.

The changes on money and capital markets, the fluctuation of prices, the development of investments and their yields are influenced by the combined effect of multiple factors; one important factor of them is the change in investors' expectations. The development of prices, the future yield of financial assets, indices or indicators, the examination of their changes, trends, and future performance is based on estimations and forecasts, which forecasts do not allow reliable conclusions to be drawn about the future moves of prices, real future yields, changes, or performance. For each product and service, please assess their tax accounting implications, and other tax consequences, taking into account that they cannot be precisely assessed without knowing the effective tax regulations of the client's individual circumstances; and these legislative provisions as well as the circumstances may change over time.

- 16. OTP Bank reserves the right to modify this document in the future, without prior notice. The planned frequency of updates to the recommendation is quarterly. The initiation report preceding this research was published on 18 December 2017.
- 17. OTP Bank (business registration number: 01-10-041-585; registered seat: Nádor utca 16., Budapest H-1051, Hungary; authorised by Magyar Nemzeti Bank (former supervisory authority: Hungarian Financial Supervisory Authority, 'PSZÁF'). Supervisory authority: Magyar Nemzeti Bank (National Bank of Hungary H-1054 Budapest, Szabadság tér 9); financial customer services: H-1013 Budapest, Krisztina krt. 39. The terms and conditions of this equity research and disclaimer shall be governed by and construed in accordance with Hungarian law.
- 18. Please note that the Internet is not a secure environment and OTP Bank does not accept any liability for any loss caused by the result of using this report in a form altered or delayed by the wilful or accidental interception, corruption or virus infection.
- 19. OTP Bank, in compliance with the applicable law, assumes no responsibility, obligation, warranty or guarantee whatsoever for any direct or indirect damage (including losses arising from investments), or for the costs or expenses, detrimental legal consequences or other sanctions (including punitive and consequential damage) sustained by any natural or legal person as a result of the purchase or sale of financial instruments or engaging investment services described herein, even if OTP Bank was warned of the possibility of such occurrences.



- 20. If you received this document from OTP Bank Plc, then it was sent to you with your previous consent. You may withdraw this permission by sending an e-mail to research@otpbank.hu or writing a letter addressed to 'Research Center', Hungary H-1051, Budapest, Nádor utca 21. Please refer to your name and e-mail address in both cases.
- 21. The personal data in this investment research are processed by OTP Bank. The legal basis for processing the data is the legitimate interest of OTP Bank. The detailed information about the processing of personal data and the related rights of data subjects is available here.

This document was prepared by: Orsolya Rátkai Senior Equity Analyst OTP Research

This document was finalized at 3:24:38 PM on 15 December 2020