

Tuesday, May 21, 2019 | special comment

# **R22 – Promising company from Polish TMT**

Current price: PLN 19.20

R22 PW; R22.WA | TMT, Poland

Analysts: Katarzyna Domańska, Paweł Szpigiel +48 22 438 24 06

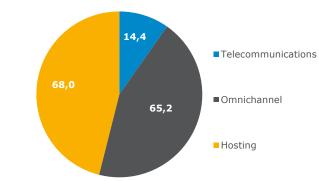
R22 is a group of companies offering omnichannel communication services, SMS marketing and is one of the largest companies on the hosting and domains market in Poland. During one and a half year of presence on the WSE, R22 increased its turnover by >70%, made many acquisitions, especially in the hosting segment, went beyond Poland taking over a number of Romanian entities, has a wide portfolio of clients (including Eurocash, Smyk, T-Mobile, Media Markt). The company is currently listed on EV/EBITDA proforma'19 = 9.0x and P/E proforma'19 = 18.6x, however, it is growing dynamically (we estimate organic growth of 13-14% on the EBITDA line in 2019) . R22 wants to double the scale of business and gain a leading position in the hosting market in Central & Eastern Europe within 2 years carrying out further acquisitions (two countries besides Poland and Romania still in 2019). The integration of hosting companies under one brand will result in cost synergies and increases of prices of offered services. The group is an attractive target for takeover for global players. We note that home.pl, comparable to H88 (hosting company of R22 Group) was taken over by the 1&1 Group in 2015 @EV/EBITDA=16.0x. The index implies a valuation of PLN 320-380 million for the hosting segment, which is slightly lower than the company's EV, with the hosting segment generating less than 60% of the entity's earnings. The risk factors for R22 are fast M&A development and quite high indebtedness of the company. The management, however, has a good track record in consolidating the hosting market in Poland, which increases the probability of successful acquisitions of companies in the region.

### **Activity profile**

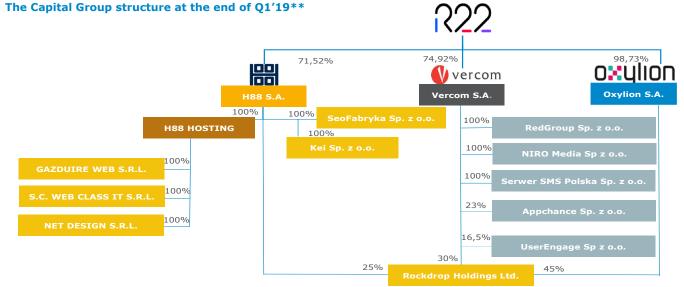
The R22 Group is a holding of technology companies, created in 1999. The companies offer: hosting & sales of domain

services (H88 Group), automatic and omnichannel contact with mass recipients through platforms provided in the SaaS formula (Vercom Group) and telecommunications services such as Internet access and VoIP (Oxylion). Hence, R22 segments turnover within: (1) hosting, (2) omnichannel communication services, and (3) telecommunications. Segments accounted for 49%, 42% and 9%, respectively, of turnover in Q3 2018/2019\*. R22 has a base of >250 thousand clients (2.4x increase from Q3 2016/2017\*), which are mainly private enterprises - 80% of them are business clients from the SME sector. The company also works with large business clients (ie IKEA, Eurocash or Rossmann). The Group develops through organic activities and acquisitions (over a dozen transactions in the last three years). R22 entered the Romanian market in 2018 as a result of the takeover of hosting companies. After further acquisitions in May 2019, R22 is a leader on the Romanian market with a total share of 25% and >50 ths. additional clients. R22 also invested in the software house Appchance and User.com associated with marketing automation, of which 75% customers come from outside Poland.

#### Revenues proforma in 2018 (PLN m)



Source: R22, Dom Maklerski mBanku



Source: R22, Dom Maklerski mBanku

<sup>\*</sup> the Group has shifted financial year from 01/07 to 30/06, \*\* excluding Exit Agreement's effects in H88 from TCEE Fund III S.C.A.



#### Capital Group at the end of Q1'19

Segments	Name of entities	Date of incorporation	30/06/2017	31/12/2017	30/06/2018	31/12/2018	31/03/2019
Telecommunications	Oxylion S.A.		99.16%	97.73%	97.73%	98.73%	98.73%
O mnichannel communication	Vercom S.A.		61.69%	67.72%	74.92%	74.92%	74.92%
	RedGroup		61.69%	67.72%	74.92%	74.92%	74.92%
	NIRO Media Group		61.69%	67.72%	74.92%	74.92%	74.92%
	SerwerSMS Polska	03-03-2017	61.69%	67.72%	74.92%	74.92%	74.92%
	User.com	16-10-2018				12.37%	12.37%
	Appchance	31-10-2018				17.23%	17.23%
Hosting	H88 S.A.	21-04-2016	60.76%	60.76%	71.52%	71.52%	71.52%
	H88 Holding S.A.	04-08-2016	60.76%	60.76%	71.52%	71.52%	
	ICONIC	04-10-2016	60.76%	60.76%	71.52%	71.52%	
	ICONIC Sp.k.	04-10-2016	60.76%	60.76%	71.52%	71.52%	
	Domeny.pl*	04-10-2016	60.76%	60.76%			
	Active 24*	25-01-2017	60.76%	60.76%			
	Serveradmin*	08-11-2017		60.76%			
	Bright Group*	08-11-2017		60.76%			
	Seofabryka	09-02-2018			71.52%	71.52%	71.52%
	Kei.pl	22-05-2018			71.52%	71.52%	71.52%
	H88 Hosting S.R.L	06-08-2018				71.52%	71.52%
	Gazduire Web	27-08-2018				71.52%	71.52%
	S.C. WEB CLASS IT	15-10-2018				71.52%	71.52%
	NET DESIGN	15-10-2018				42.91%	42.91%

\* subsidiaries of H88 (100% shares)

Source: R22, Dom Maklerski mBanku

#### **M&A** activity

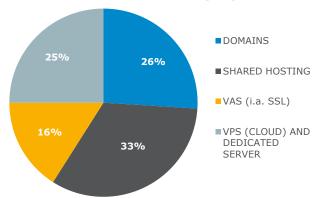
From 2015 to Q1 2019, the R22 Group executed a number of acquisitions, the most in the Hosting segment.

- In 2016, the company acquired 60.76% shares in H88 S.A, H88 Holding, Iconic, Iconic Sp.k. and Domeny.pl. In 2017, the company acquired Active24, Serveradmin and Bright Group. On 6<sup>th</sup> July 2017, Active24 made a deal of purchasing the Bright Group. Afterwards, H88 acquired 100% shares in the following companies: Domeny.pl, Active24, Serveradmin and Bright Group. In 2018, Seofabryka, Kei.pl & H88 Hosting were acquired. The acquisition of Seofabryka, which offers SEO and SEM services, has been an important element of added value in hosting area. Kei.pl has free resources in server rooms and a team of IT programmers. R22 also made first foreign acquisitions in 2018, taking over three Romanian companies: Gazduire Web, S.C Web Class IT and Net Design. In May 2019, 100% shares in another three entities were purchased: SC Top Level Hosting, Rospot and HostVision for a total amount of EUR 4.2 million. We estimate that the takeover took place @ approx. 7.5-8.0x EV/EBITDA.
- In the Omnichannel Communication segment, Niro Media Group was acquired in 2015, and SerwerSMS two years later. The first one deals with performance marketing and the second one offers SaaS services for mobile channel (platform providing SMS, MMS, Voice VMS). In October 2018, R22 covered 12.37% of UserEngage shares (a dynamically growing company in the segment of MarTech solutions, which strengthened the portfolio of tools within the segment) and 17.23% of Appchance (present in the mobile area).

## **Hosting Segment**

R22 conducts hosting business through H88 Group. The Group consists of two Polish companies - SeoFabryka, Kei.pl as well as three Romanian companies - Gazudire Web, Web Class IT and Net Design. H88 provides server space and services in the field of data transmission security, sales and maintenance of SSL certificates (guaranteeing confidentiality and data integrity) in the subscription model and registration of Internet domains around the world. The segment generates revenues through shared hosting and VPS (hosting in the cloud), sale of Internet domains and through additional services, so-called VAS (Value Added Services), such as SSL certificates, SEO & SEM (search engine optimization) and anti

#### Share in the revenues of the Hositng Segment in the



Source: R22, Dom Maklerski mBanku

-DOS protection (automatic protection against digital attacks). H88 emphasizes the high quality of customer service and, if possible, an individual approach, which it seeks to distinguish on the market. Shared hosting generates the largest share of the hosting segment revenues (about 1/3 of turnover). Domains and VPS as well as dedicated servers are at a similar level (about 1/4 of turnover). In 9M 2018/2019, revenues on the Romanian market accounted for >20% of the total revenues of the H22 group.

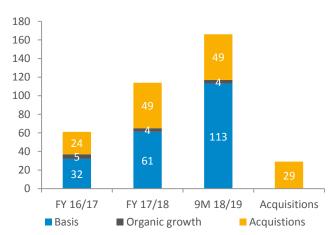
Taking into account the successful acquisitions (inc. Romanian ones in May 2019), the group has approx. 195ths. hosting clients, nearly 360ths. domains and grows dynamically (vs.+61ths. Clients&130ths.domains in 2017/18)

The Group reports an increase in the price index of both hosting and domains, which allows to mitigate the impact of increasing payroll costs on results. ARPU LTM in hosting amounted to PLN 222 in 9M'18/19, it was higher by almost 13% after 9 months .



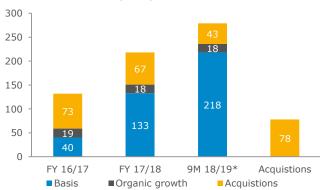
The domain's ARPU index also shows an increase, PLN 65 in 9M'18/19 (about +5% vs. ARPU in 2017/18). The segment reports a stable churn rate: 17.8% in the hosting area and 25.9% in domains.

#### Number of customers - hosting ('000)



Source: R22, Dom Maklerski mBanku

#### Number of domains ('000)



 $\boldsymbol{*}$  including 23.5 thous. Domains in the promotion for PLN 0

### The hosting market

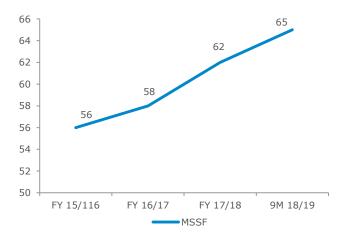
According to Global Web Hoting Market Share 2016, the value of the Polish hosting market amounts to approximately \$400 million per year. Poland ranks eighth in Europe and thirteenth in the world in terms of the size of the hosting market. The competitive advantage over the countries results

## ARPU LMT — hosting



from high price competitiveness and the quality of services offered. The value of the Internet domain market (the segment of the hosting market) in Poland is estimated @PLN 240 million (data of March 2017). There are three main players in Poland: Home.pl, Nazwa.pl and H88, which

#### ARPU domains\*\*

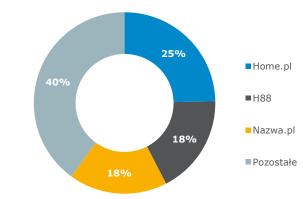


\*\*ARPU excluding free domains

Source: R22, Dom Maklerski mBanku

account for 60% of the domain market, and the rest is divided (share of 25%, 18% and 18%, respectively). A price pressure can be observed on the domain market. Continuous promotions are common as there is a group of users for whom the price is the main migration reason. In the years 2007-2012, a very dynamic increase in the number of .pl domains was observed. In 2016 however, this figures improved by only +0.8% y/y. Despite the decline in the number of domains with the .pl extension, the market should continue to grow. Currently, .pl domains constitute about 75% of active domain names, and the rest are functional domains (com.pl, info.pl) & regional domains (waw.pl and kalisz.pl). Customers are more and more interested in registration of industry extensions such as cafe, .bank, .hotel, .mobile. By February 2019, about 36 ths. of new domains were registered with non-standard extensions, i.e.. .line, .xyz, .site, .cloud, .app, .shop, .tech, .club, and .art. According to the National Domain Registry NASK report (Q4 2018), the total number of names in the domain was 2.6 million (+11 ths. names vs. Q3).

### Structure of domains market in Poland



Source: R22, Dom Maklerski mBanku

#### Consolidation of the global hosting market

The global hosting market is in the consolidation and ownership changes phase. One of the most important transactions on the Polish market was the acquisition of the market leader in 2015 - Home.pl - by the largest provider of internet services in the world - 1&1. The transaction amounted to PLN 640 million (EUR 150 million). At that time, the entity generated approximately 40 million EBITDA, which implies 16.0x. The American company GoDaddy took over Host Europe, which operates on the European market in



2016 for EUR 1.69 billion (about 11.0x EBITDA). In Poland, only Home.pl has market links with global players, and nazwa.pl & H88 do not belong to any global capital groups. There is also a continuous consolidation in Poland: Home.pl bought az.pl in recent years, and Nazwa.pl bought o12.pl. H88 made a number of acquisitions, as we mentioned earlier.

#### **Omnichannel Communication**

R22 operates in the Omnichannel Communication segment through the Vercom Group, which includes 5 companies -RedGroup, Niro Media, SMS Polska Server, Appchance (software house, specializing in the field of mobile technologies) and UserEngage (marketing automation platform). The group provides tools that automate omnichannel communication with recipients. The segment offers platforms for handling, preparation, processing and automatic sending of mobile messages and emails in the form of SaaS service and Big Data usage. The mobile messages are sent via SMS, MMS, VMS, Push, Chatbot Messenger, WhatsApp and Viber. Revenues from SaaS platforms accounted for approx. 90% of the turnover of the entire segment. The operations of the Vercom Group are strongly dependent on the terms of cooperation with telecom operators (T-mobile Group, Orange, Play and Polkomtel). The Vercom Group has a wide portfolio of clients, ie Eurocash, Ikea, Media Markt, Smyk, PLL LOT, Vectra, OLX.pl, Payback, Raiffeisen Bank, PolskiBus, Neckermann, Rossmann and Tmobile. In Q3 2018/19, a module for sending mobile push messages was launched. The tool enables the integration of e -mail, PUSH and SMS channels and creation of automatic mailing scenarios, which allows to optimize the budget for promotion and personalization of communication. The number of clients in the omnichannel segment is growing and in Q3 2018/19 the increase was particularly noticeable in the SMF area.

### **Number of customers - Enterprise**



Source: R22, Dom Maklerski mBanku

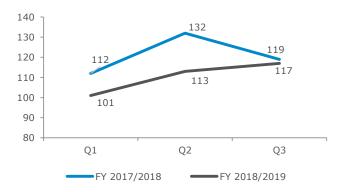
#### Number of customers - SME (`000 units)



Source: R22, Dom Maklerski mBanku

Vercom Group started the reconstruction of ARPU in H1 2018/19 while improving profitability in the SME segment (optimization of the offer & introduction of invoices), which is reflected in ARPU that increased in Q3 2018/19 to the level of PLN 117 from PLN 113 q/q, although it should be slightly lower seasonally. The company expects an increase of income from subscriptions in periods.

# Monthly ARPU (PLN) of SME segment (without subscription and performance marketing)



Source: R22, Dom Maklerski mBanku

Vercom was rewarded for, among others 'Best in Cloud - ComputerWorld (2017)' and 'Financial Times Top 1000 - as one of the six companies from Poland (2017)'.

#### **Telecoms segment**

The telecommunications segment generates revenues in areas related to Internet access, which offers additional services, ie television or telephone (mainly B2C) and VoIP (Voice over Interner Protocol) - voice transmission based on data transmission over the Internet, which includes VoIP services together with virtual headquarters. The company also offers additional services – queuing & virtual conference rooms. This segment has more than 1,600 transmitters, which are located mainly in Lower Silesia and the Podkarpackie Voivodeship.

#### The medium term plans

R22 wants to develop further through acquisitions. The goal of H22 is to become the leader on the Central and Eastern European market. In the coming year, the Group expects 2-3 acquisitions, focusing on Poland, Romania and the Central & Eastern European countries. In the near future, the company wants to achieve a 30% share in the Romanian market and enter the hosting market in another two countries. R22 is willing to conduct acquisitions at approx. 8-9x, but the Management says that on today's consolidating market it is becoming more and more difficult, therefore transactions at the ratios >10.0x are also possible. R22 takes over mature entities, often encountering organizational barriers in the further development of the business.

In addition, the R22 medium term plans include:

- Hosting: R22 plans to integrate the hosting segment under one brand, which will influence the group's recognition. In our view, this change will also affect the price level and generate cost synergies.
- Omnichannel Communication: Vercom plans to carry out activities aimed at increasing APRU and margin in 2019, among others by continuing to introduce minimum subscription fees for platforms access. The company continues to develop the EmailLabs and Redlink platforms in the area of analytics & big data and plans to introduce new push messages (sent from the apps). Vercom is also working on the Reopen platform (real time marketing platform using machine learning & big data).

 Telecommunications: The company does not see the potential for growth in the telecommunications segment, however, it does not plan the disinvestment of the segment, as it generates some synergies with other segments. The Group is focused on maintaining the ARPU and a decrease in investment expenditures in the segment.

# Q3 2018/2019 results & the outlook for the next year

R22 has reported a significant increase in financial results in Q3 2018/19 (calendar Q1 2019). Revenues from sales amounted to PLN 37.3 million, EBITDA @PLN 10.0 million (ie +28.0% & +56.7% y/y, respectively). Due to the financial year, R22 will implement the IFRS 16 standard from July 1<sup>st</sup>, however the results are not comparable y/y due to the acquisition of three companies during the financial year. Assuming that the growth rate of the hosting segment is approx. 15%, we estimate the organic growth of the EBITDA result at 22-25% y/y.

**R22 Group quarterly financial results\*** 

(PLN m)	Q1'18	02'18	02/10	Q4'18	01'10		
, ,	•		•		•		
Sales revenues	29.1	30.6	31.0	37.2	37.3		
Amortization and depreciation	2.3	2.1	2.6	2.9	2.9		
External services	18.5	19.5	18.3	22.7	21.3		
Costs of employee benefits	3.7	4.2	4.3	5.2	5.1		
, ,							
Use of materials and	0.3	0.3	0.5	0.8	0.6		
Cost of goods sold	0.0	0.0	0.0	0.0	0.0		
Taxes and charges	0.1	0.3	0.2	0.1	0.1		
Other operating activity	-0.2	-0.1	0.0	-0.2	-0.1		
EBIT	4.1	4.1	5.3	5.5	7.1		
Margin	14.0%	13.4%	17.0%	14.7%	19.0%		
EBITDA	6.4	6.2	7.9	8.4	10.0		
Margin	21.9%	20.2%	25.5%	22.5%	26.8%		
Net financial costs	-0.8	-0.6	-0.8	-1.1	-0.9		
Share in profits of associates	0.0	0.0	0.0	0.0	-0.2		
Profit before taxes	3.3	3.5	4.5	4.3	6.0		
Income tax	-0.7	-0.7	-0.8	-1.1	-1.0		
Minority interests	0.9	0.8	1.0	1.1	1.5		
Net profit	1.7	2.0	2.7	2.1	3.4		
Margin	6.0%	6.4%	8.8%	5.7%	9.1%		
Source: R22, Dom Maklerski mBanku, * calendar periods							

By segment: EBITDA in hosting @PLN 5.82 million. According to the company, EBITDA proforma of the segment is growing at a rate of around 15% y/y. On the other hand, the ominichann communications segment reported an increase in EBITDA by 42% y/y (the result @PLN 3.3 million). This is a significant change after the decline in EBITDA by 9% y/y in H1 2018/19. The improvement of results is the result of introducing a series of optimization activities in the segment and renegotiation of contracts with some of the clients (the share of subscriptions in the settlements with some customers was introduced). EBITDA margin of the segment @21.2%, i.e. +4pp. y/y.

# Average EBITDA LTM margin in omnichannel communications segment in R22



Source: Dom Maklerski mBanku

The telecommunications segment delivered a stable EBITDA y/y @PLN 1.5 million. In Q3 2018/19, the company generated PLN 4.9 million of cash from the operating activities (PLN 25.7m LTM). At the end of Q3 2018/19, net debt amounted to PLN 64.3 million, the net debt/EBITDA ratio @2.0x.

**R22 results forecast** 

(PLN m)	2018 PF*	2019 PF**	2020
Sales	147.6	169.0	191.8
EBITDA	36.6	43.5	50.6
hosting	19.8	24.0	29.5
ominichannel	10.8	13.5	15.1
telecommunications	6.1	6.1	6.1
Net profit	8.1	14.3	17.4
Market cap	265.2	265.2	265.2
EV	346.2	392.0	363.8
EV/EBITDA	9.5	9.0	7.2
P/E	32.7	18.6	15.3

Source: Dom Maklerski mBanku, \*estimation \*\*including acquisitions from May'19

We expect the company to achieve a turnover of PLN 169.0 million in calendar year 2019 (PLN 160.7 million excluding acquisitions from May 2019, which means an increase in comparable turnover by 9% y/y). The EBITDA result (excluding the impact of IFRS 16) should amount to PLN 43.5 million (PLN 41.1 million excluding the impact of acquisitions from May 2019, ie >+12% y/y). The highest EBITDA increase is assumed in omnichannel communications due to before mentioned optimization activities. We estimate that the segment will generate PLN 13.5 million EBITDA revenue. Assuming the entire payment under the Exit agreement regarding the purchase of 28.48% of H88 from TCEE Fund III concluded in March 2019 and the payment for the takeovers of three Romanian entities, the net debt at the end of calendar year 2019 is estimated at approx. PLN 120 million, which implies 2.7x EBITDA proforma'19. The debt value does not include the purchase/dividend, which the company wants to carry out during the year. The debt value is quite high considering the company's plans. R22 wants to double the scale of its business within two years. We expect the group to take over entities generating a total EBITDA of at least PLN 15-18 million. Assuming the implementation of acquisitions @10x EBITDA ratio and purchase of majority packages (50% and one share), it should cost the company about PLN 75-90 million. The company announced that, in the first place, it wants to make acquisitions by financing them with a loan. In our opinion, the potential issue of shares cannot be excluded on large scale acquisitions.



List of abbreviations and ratios contained in the report:

net debt + market value

EV – net debt + market value
EBIT – Earnings Before Interest and Taxes
EBITDA – EBIT + Depreciation and Amortisation
P/CE – price to earnings with amortisation
MC/S – market capitalisation to sales
EBIT/EV – operating profit to economic value
P/E – (Price/Earnings) – price divided by annual net profit per share
ROE – (Return on Equity) – annual net profit divided by average equity
P/BV – (Price/Book Value) – price divided by book value per share
Net debt – credits + debt papers + interest bearing loans – cash and cash equivalents
EBITDA margin – EBITDA/Sales

**OVERWEIGHT (OW)** – a rating which indicates that we expect a stock to outperform the broad market **NEUTRAL (N)** – a rating which indicates that we expect the stock to perform in line with the broad market **UNDERWEIGHT (UW)** – a rating which indicates that we expect the stock to underperform the broad market

Recommendations of Dom Maklerski mBanku:

A recommendation is valid for a period of 9 months, unless a subsequent recommendation is issued within this period. Expected returns from individual recommendations are as follows:

BUY - we expect that the rate of return from an investment will be at least 15%

ACCUMULATE - we expect that the rate of return from an investment will range from 5% to 15%

HOLD - we expect that the rate of return from an investment will range from -5% to +5%

REDUCE - we expect that the rate of return from an investment will range from -5% to -15%

SELL - we expect that an investment will bear a loss greater than 15%

Recommendations are updated at least once every nine months.

mBank S.A. with its registered office in Warsaw at Senatorska 18 renders brokerage services in the form of derived organisational unit - Brokerage Office which uses name Dom Maklerski mBanku

This document has been created and published by Dom Maklerski mBanku. The present report expresses the knowledge as well as opinions of the authors on day the report was prepared. The opinions and Inis document has been created and published by Dom Maklerski mBanku. The present report expresses the knowledge as well as opinions of the authors on day the report was prepared. In opinions and estimates contained herein constitute our best judgment at this date and time, and are subject to change without notice. The present report was prepared with due care and attention, observing principles of methodological correctness and objectivity, on the basis of sources available to the public, which Dom Maklerski mBanku S.A. considers reliable, including information published by issuers, shares of which are subject to recommendations. However, Dom Maklerski mBanku S.A., in no case, guarantees the accuracy and completeness of the report, in particular should sources on the basis of which the report was prepared prove to be inaccurate, incomplete or not fully consistent with the facts. mBank S.A. bears no responsibility for investment decisions taken on the basis of the present report or for any damages incurred as a result of investment decisions taken on the basis of the present report.

This document does not constitute an offer or invitation to subscribe for or purchase any financial instruments and neither this document nor anything contained herein shall form the basis of any contract or commitment whatsoever. It is being furnished to you solely for your information and may not be reproduced or redistributed to any other person. This document nor any copy hereof is not to be distributed directly or indirectly in the United States, Australia, Canada or Japan.

Recommendations are based on essential data from the entire history of a company being the subject of a recommendation, with particular emphasis on the period since the previous recommendation. Investing in shares is connected with a number of risks including, but not limited to, the macroeconomic situation of the country, changes in legal regulations as well as changes on commodity markets. Full elimination of these risks is virtually impossible.

It is possible that mBank S.A. in its brokerage activity renders, will render or in the past has rendered services for companies and other entities mentioned in the present report.

mBank S.A. does not rule out offering brokerage services to an issuer of securities being the subject of a recommendation. Information concerning a conflict of interest arising in connection with issuing a recommendation (should such a conflict exist) is located below.

The present report was not transferred to the issuer prior to its publication.

mBank S.A., its shareholders and employees may hold long or short positions in the issuer's shares or other financial instruments related to the issuer's shares.

Copying or publishing the present report, in full or in part, or disseminating in any way information contained in the present report requires the prior written consent of mBank S.A.

Recommendations are addressed to all Clients of Dom Maklerski mBanku

All investment recommendations and strategies issued by mBank S.A. over the last 12 months are available at: http://www.mdm.pl/ui-pub/site/market\_and\_analysis/analysis\_and\_recommendations/fundamental\_analysis/re ntal analysis/recommendations?recent filter active=true&lang=en

The activity of mBank S.A. is subject to the supervision of the Polish Financial Supervision Commission.

Individuals who did not participate in the preparation of recommendations, but had or could have had access to recommendations prior to their publication, are employees of Dom Maklerski mBanku authorised to access the premises in which recommendations are prepared and/or individuals having to access to recommendations based on their corporate roles, other than the analysts mentioned as the authors of the present recommendations.

This publication constitutes investment research within the meaning of Art, 36.1 of Commission Delegated Regulation (EU) 2017/565.

The compensation of the research analysts responsible for preparing investment research is determined independently of and without regard to the compensation of or revenue generated by any other employee of the Bank, including but not limited to any employee whose business interests may reasonably be considered to conflict with the interests of the persons to whom the investment research prepared by the Research Department of Dom Maklerski mBanku is disseminated. With that being said, since one of the factors taken into consideration when determining the compensation of research analysts is the degree of utilifilment of annual financial targets by customer service functions, there is a risk that the adequacy of compensation offered to persons preparing investment research will be questioned by a competent oversight body.

For U.S. persons only: This research report is a product of mBank SA which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account. This report is intended for distribution by mBank SA only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a (6a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor. In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, mBank SA has entered into an agreement with a U.S. registered broker-dealer, Cabrera Capital Markets. ("Cabrera"). Transactions in securities discussed in this research report should be effected through Cabrera or another U.S. registered broker-dealer.

Strong and weak points of valuation methods used in recommendations:

DCF – acknowledged as the most methodologically correct method of valuation; it consists in discounting financial flows generated by a company; its weak point is the significant susceptibility to a change of forecast assumptions in the model.

Relative – based on a comparison of valuation multipliers of companies from a given sector; simple in construction, reflects the current state of the market better than DCF; weak points include substantial

Relative – based on a comparison of valuation multipliers of companies from a given sector; simple in construction, reflects the current state of the market better under point, weak points include additionability (fluctuations together with market indices) as well as difficulty in the selection of the group of comparable companies.

Economic profits – discounting of future economic profits; he weak point is high sensitivity to changes in the assumptions made in the valuation model.

Discounted Dividends (DDM) – discounting of future dividends; the weak point is high sensitivity to changes in the assumptions as to future dividends made in the valuation model.

NAV – valuation based on equity value, one of the most frequently used method in case of developing companies; the weak point of the method is that it does not factor in future changes in revenue/profits of a

mBank S.A. did not issue any recommendations for R22 in the 12 months prior to this publication.





### Dom Maklerski mBanku

Senatorska 18 00-082 Warszawa http://www.mbank.pl/

# **Research Department**

Kamil Kliszcz director +48 22 438 24 02 kamil.kliszcz@mbank.pl energy, power generation

Jakub Szkopek +48 22 438 24 03 jakub.szkopek@mbank.pl industrials, chemicals, metals

Piotr Bogusz +48 22 438 24 08 piotr.bogusz@mbank.pl retail Michał Marczak +48 22 438 24 01 michal.marczak@mbank.pl strategy

Paweł Szpigiel +48 22 438 24 06 pawel.szpigiel@mbank.pl media, IT, telco Michał Konarski +48 22 438 24 05 michal.konarski@mbank.pl banks, financials

Piotr Zybała +48 22 438 24 04 piotr.zybala@mbank.pl construction, real-estate development

# Sales and Trading

#### **Traders**

Piotr Gawron director +48 22 697 48 95 piotr.gawron@mbank.pl

Jędrzej Łukomski +48 22 697 49 85 jedrzej.lukomski@mbank.pl

Tomasz Galanciak +48 22 697 49 68 tomasz.galanciak@mbank.pl Krzysztof Bodek +48 22 697 48 89 krzysztof.bodek@mbank.pl

Adam Prokop +48 22 697 47 90 adam.prokop@mbank.pl

Magdalena Bernacik +48 22 697 47 35 magdalena.bernacik@mbank.pl Tomasz Jakubiec +48 22 697 47 31 tomasz.jakubiec@mbank.pl

Andrzej Sychowski +48 22 697 48 46 andrzej.sychowski@mbank.pl

### Sales, Foreign Markets

Marzena Łempicka-Wilim deputy director +48 22 697 48 82 marzena.lempicka@mbank.pl Bartosz Orzechowski +48 22 697 48 47 bartosz.orzechowski@mbank.pl

# **Private Client Sales**

Kamil Szymański director +48 22 697 47 06 kamil.szymanski@mbank.pl Jarosław Banasiak deputy director +48 22 697 48 70 jaroslaw.banasiak@mbank.pl