

7 March 2019

ANY PLC HOLD

ANY PLC: weaker 4Q18, but full-year results in line with our estimates

BBG Ticker	ANY HE
Market Cap (USD mil)	71.8
Price	1,355
Price target	1,406
Upside	3.8%

ANY reported its 4Q18 results yesterday (6 March). The company reported revenues of HUF 7.4bn, 4.9% lower than our expectations and 2.7% lower yoy. The margin for the quarter was weaker than expected, due mainly to higher operating expenses and an FX loss above our estimate, with an EBITDA margin of 8.1%, vs. our expectation of 10.7%, and EBITDA of HUF 596m, 28.7% lower than we forecast. Net profit was HUF 183m for the quarter, slightly less than half of our expectation, supported by lower tax and minorities. For FY18, ANY reported revenues of HUF 30.5bn, significantly higher than our estimate, by 17.6%, and up 16.6% yoy. However, most of the revenues gain came from lower profitability products, resulting in EBITDA of HUF 3bn, only slightly higher than our forecast, and 2.7% below the 2017 levels. In terms of net profit, the full-year results were also in line with our expectations, at HUF 1.1bn. We view the 4Q18 results as slightly negative, as the EBITDA margin for the quarter is the lowest since 4Q15. The share price is up 17% since its lows in October 2018, outperforming the market, particularly as the company reported strong 3Q18 numbers. Given the positive momentum since, we could see a negative market reaction to the weaker 4Q18 numbers, in our view. In terms of dividends, the company typically has a 100% payout, and we expect a DPS of HUF 77, in line with our initial estimate, translating into a yield of 5.7%.

Stefan Lungu, CFA E-mail: stefan.lungu@wood.com Phone: +44 203 530 0694



For the full-year, the beat on the top line was driven mainly by a continuing good performance in security products (up 45.8% yoy and +30.7% vs. expectations), with election ballots being a significant contributor, and card production (up 20.9% yoy and +40% vs. expectations). Form production revenues continued their downward trend, -5.8% yoy and 8.9% lower than our expectations, due to lower volumes of printed domestic tax forms and, particularly, lower export sales. Export revenues accounted for 36% of the sales for the year, with the main growth driver being card production, mitigated by a decline in form production.

Looking at costs, the impact of the increasing sales of lower profitability products resulted in material expenses reported at 70.7% of sales, compared to 66% last year and 5ppts higher than our expectations. The company also reported an increase in personnel costs, to HUF 6.5bn, +9.2% yoy and 10.3% higher than our expectations, as a result of extra overtime costs due to higher turnover, and increases in wages. A positive result of HUF 554m in other expenses was driven mainly by a gain in the value of unfinished products connected with security cards.

This resulted in an EBITDA of HUF 3bn, down 2.7% yoy, but 3.7% higher than our expectations for 2018. We see the margin of 9.8% (compared to our forecast of 11.1%) as neutral, given that the increase in turnover is characterised by a lower profitability sales mix. The net financial result was fairly in line with our expectations, while tax expenses were significantly higher than we had modelled, at a 21% effective tax rate for the year. Minorities were lower than expected, at HUF 251m, driven by lower export sales, resulting in net profit of HUF 1.1bn, in line with both the 2017 results and our expectations.

Leverage increased to 2x net debt/EBITDA at the end of 2018, from 1.5x in the previous year, and we view this as mainly a factor of deteriorating working capital, driven by both a decline in receivables and an increase in inventories.



7 March 2019

		resu		

(HUF m)	4Q17	3Q18	4Q18	уоу	qoq	4Q18E	vs. WOOD
Revenues	7,604	7,489	7,402	-2.7%	-1.2%	7,785	-4.9%
Security Products	1,680	2,283	2,199	30.9%	-3.7%		
Card Production	2,711	2,397	2,107	-22.3%	-12.1%		
Form Production	2,568	2,233	2,402	-6.5%	7.6%		
Traditional Printing	437	469	444	1.6%	-5.3%		
Other	208	107	250	20.2%	133.6%		
Material expenses	-4,903	-5,419	-5,180	5.6%	-4.4%	-5,309	-2.4%
Personnel expenses	-1,714	-1,750	-1,436	-16.2%	-17.9%	-1,600	-10.3%
Other expenses	-137	561	-190	n.m.	-133.9%	0	n.m.
EBITDA	850	881	596	-29.9%	-32.3%	836	-28.7%
D&A	-276	-280	-289	4.7%	3.2%	-275	5.0%
EBIT	573	601	306	-46.5%	-49.0%	560	-45.3%
Financial result	-23	-25	-29	24.0%	14.6%	-24	19.6%
Pre-tax profit	550	576	278	-49.5%	-51.8%	536	-48.2%
Tax	-170	-225	-28	-83.6%	-87.6%	-64	-56.6%
Net income	380	351	241	-36.7%	-31.5%	472	-49.0%
Minorities	100	19	57	-42.8%	197.0%	88	-35.2%
Net income for shareholders	280	332	183	-34.5%	-44.8%	384	-52.2%

Source: Company data, WOOD Research

ANY: 2018 results review

(HUF m)	2017	2018	yoy	2018E	vs. WOOD
Revenues	26,181	30,527	16.6%	25,950	17.6%
Security Products	6,500	9,475	45.8%	7,248	30.7%
Card Production	7,652	9,250	20.9%	6,608	40.0%
Form Production	10,253	9,663	-5.8%	10,602	-8.9%
Traditional Printing	1,288	1,496	16.1%	1,143	30.9%
Other	488	643	31.8%	349	84.3%
Material expenses	-17,270	-21,590	25.0%	-17,127	26.1%
Personnel expenses	-5,957	-6,505	9.2%	-5,900	10.3%
Other expenses	114	554	386.0%	-45	n.m.
EBITDA	3,068	2,986	-2.7%	2,878	3.7%
D&A	-1,070	-1,133	5.9%	-1,101	2.9%
EBIT	1,998	1,853	-7.3%	1,778	4.2%
Financial result	-93	-101	7.6%	-133	-24.3%
Pre-tax profit	1,904	1,752	-8.0%	1,645	6.5%
Tax	-360	-362	0.4%	-195	85.5%
Net income	1,544	1,391	-9.9%	1,450	-4.1%
Minorities	412	251	-39.1%	295	-14.9%
Net income for shareholders	1,132	1,140	0.7%	1,155	-1.3%

Source: Company data, WOOD Research



7 March 2019

	2017	2018	yoy	2018E	vs. WOOD
EBITDA margin	11.7%	9.8%	-0.23pp.	11.1%	0.63pp.
EBIT margin	7.6%	6.1%	-0.28pp.	6.9%	0.78pp.
Net Income margin	5.9%	4.6%	-0.47pp.	5.6%	0.31pp.
Net Income for shareholders margin	4.3%	3.7%	-0.50pp.	4.5%	-0.13pp.
Business lines as % of revenues					
Security Products	25%	31%	-1.99pp.	28%	-3.11pp.
Card Production	29%	30%	5.39pp.	25%	3.76pp.
Form Production	39%	32%	-3.85pp.	41%	-1.69pp.
Traditional Printing	5%	5%	0.33pp.	4%	0.52pp.
Other	2%	2%	0.11pp.	1%	0.52pp.
Export revenues	11,120	11,071	20.5%	10,558	5.3%
Security Products	788	872	67.3%	870	-9.4%
Card Production	1,202	1,316	278.0%	396	203.2%
Form Production	8,779	8,306	8.4%	9,117	-3.7%
Traditional Printing	23	46	130.0%	-	n.m.
Other	328	531	0.0%	174	88.0%
Export as % of total revenues	42%	36%	5.43pp.	41%	1.79pp.
Security Products	12%	9%	5.07pp.	12%	0.12pp.
Card Production	16%	14%	10.35pp.	6%	9.71pp.
Form Production	86%	86%	10.02pp.	86%	-0.38pp.
Traditional Printing	2%	3%	0.91pp.	0%	1.79pp.
Other	67%	83%	-8.00pp.	50%	17.21pp.
Receivable days	65	57	-8	70	-13
Inventory days	39	42	3	33	9
Payable days	37	40	3	37	3
Cash conversion cycle	67	58	-9	66	-8

Source: Company data, WOOD Research

ANY: revenues and EBITDA margins



Source: Company data, WOOD Research

Year	Sales	EBITDA	EBIT	Net Income	EPS	P/E	EV/EBITDA	Dps	Dividend
	(HUF m)	(HUF m)	(HUF m)	(HUF m)	(HUF)	(x)	(x)	(HUF)	yield
2016	24,911	2,977	1,969	1,202	81.3	13.2	6.6	65.0	6.1%
2017	26,181	3,068	1,998	1,040	70.3	19.0	8.3	84.0	6.3%
2018	30,527	2,986	1,853	1,140	77.1	17.6	8.4	79.0	5.8%
2019E	27,830	3,049	1,931	1,243	84.0	16.1	8.5	77.1	5.7%
2020E	27,247	3,060	1,926	1,190	80.5	16.8	8.5	84.0	6.2%
2021E	28,204	3,290	2,139	1,321	89.3	15.2	8.0	80.5	5.9%



7 March 2019

DISCLAIMER

Important Disclosures

This research/commentary was prepared by the assignment of 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 which was concluded by and between BSE and WOOD & Company Financial Services, a.s. (registered seat: námstí Republiky 1079/1a, 110 00 Praha 1, Czech Republic; company registration number: 265 03 808, hereinafter: Investment Service Provider)

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 shall be solely liable for these. The Service Provider is entitled to all copyrights regarding this research/commentary however BSE is entitled to use and advertise/spread it but BSE shall not modify 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.

This investment research is published by WOOD & Company Financial Services, a.s. ("WOOD & Co") and/or one of its branches who are are authorised and regulated by the CNB as Home State regulator and in Poland by the KNF, in Slovakia by the NBS, in Italy by the CONSOB and in the UK by the FCA as Host State regulators.

Explanation of Ratings

Wood's ratings and price targets history for ANY PLC					
Rating		Price target			
14/12/2017	HOLD – initiation of coverage	14/12/2017	HUF 1,406		

BUY: The stock is expected to generate total returns of over 15% during the next 12 months as measured by the target price.

HOLD: The stock is expected to generate total returns of 0-15% during the next 12 months as measured by the target price.

SELL: The stock is expected to generate a negative total return during the next 12 months as measured by the target price.

RESTRICTED: Financial forecasts, and/or a rating and/or a target price is restricted from disclosure owing to Compliance or other regulatory/legal considerations such as a blackout period or a conflict of interest.

NOT RATED: Suspension of rating after 30 consecutive weekdays where the current price vis-a-vis the target price has been out of the range dictated by the current BUY/HOLD/SELL rating.

COVERAGE IN TRANSITION: Due to changes in the Research team, the disclosure of a stock's rating and/or target price and/or financial information are temporarily suspended.

Equity Research Ratings (as of 7 March 2019)

	Buy	Hold	Sell	Restricted	Not rated	Coverage in transition
Equity Research Coverage	52%	41%	7%	n.a.	n.a.	1%
IB Clients	1%	1%	n.a.	N.A.	n.a.	n.a.

Securities Prices

Prices are taken as of the previous day's close on the home market unless otherwise stated.

Valuation & Risks

Analysis of specific risks to set stock target prices highlighted in our investment case(s) are outlined throughout the report. For details of methodologies used to determine our price targets and risks related to the achievement of the targets referred to in the main body of the report or at http://www.wood.cz in the Corporate Governance section.

Users should assume that the investment risks and valuation methodology in Daily news or flash notes not changing our estimates or ratings is as set out in the most recent substantive research note on that subject company and can be found on our website at www.wood.com

Wood Research Disclosures (as of 7 March 2019)

Company	Disclosures
Alior Bank	5
AmRest	5
Astarta	5
AT&S	5
Bogdanka	5
BRD	5
Bucharest Stock Exchange	5
BZ WBK	5
CA Immo	5
CCC	5
CD Projekt	5
CETV	5
CEZ	5
Ciech	5
Conpet	1
Cyfrowy Polsat	5
Dino	 5



7 March 2019

Descise 8 Except 6 Recogn 6 Except Group Dath 5 Except Group Dath 5 Formush 5 Formush 5 Formush 5 Formush 6 Control Control 1,52 Heating 6 Heating 7 Kond 6 Kon	DO&CO	1,5
Family 5 Evenigh 5 SC, Froat Proprieting A. 1 OTC 5 Hatching 5 NG BK 5 Well Manage 5 ING		
Exerce Corus Davik 5 Exerce Corus Davik 5 Fortuna 6 Fortuna 1, 5 Sch Frank Propriesse SA. 1, 5 Sch Frank Propriesse SA. 6 Bird Corus Andrews 6 Korel Corus Andrews 6 Korus Andrews 6 Ko		
Entoday 5 Futura 5 Futural 5 SC. Fordal Populmens SA. 1, 4 GCT Comb Nobe Burk 5 GTO 5 INCOMPA 5 INCOMPA 5 INCOMPA 5 INCOMPA 5 INCOMPA 6 INCOMPA 6 INCOMPA 6 INCOMPA 6 INCOMPA 6 INCOMPA 6 INCOMPA 5 INCOMPA 5 INCOMPA 5 INCOMPA 6		
Fundamentamentamentamentamentamentamentament		
Future 人のののののののののののののののののののののののののののののののののののの		
SC Front Storpination SA 1,4,5 Gen Note Bank 5 GTC 6 Handrowy 5 Handrowy 5 Introduction 5 Introduction 5 Introduction 1,3 INT 1,3 JSW 5 Konel 5 Rok 6 Rok 6 Rok 1,2 Modula 1,2 Modula 1,2 Modula 1,2 Modula 1,2 Modula 1,2 Konel 1,2		
Genit Notes Benér 5 Hardrow 5 Ind SISS 6 Ind SISS 6 IPF 4 IPF 1 IPF 1 IRF 2 IRF 3 IRF 4 IRF 3 IRF 4 IRF 3 IRF 3 IRF 4 IRF 3 IRF 4		
GTC Handbury 5 Handbury 5 His SBS 5 Inmofance 5 IFF 6 IFG 1,3 JBW 5 KERnel 5 KSPA 5 KSPA 5 KSPA 5 KSPA 5 KAR 6 KAR 7 KAR 7 KAR 8 KAR 8 KAR 8 KAR 1,2 MSA		
MS BSK 1mmofinany 5 1mmofinany 5 1mmofinany 5 5 5 5 5 5 5 5 5		
MS BSK 1mmofinany 5 1mmofinany 5 1mmofinany 5 5 5 5 5 5 5 5 5	Handlowy	5
IPF 6 ITO 1.3 SW 6 Kentel 5 Kentel 5 Kolth 5 Kolth 5 Kolth 6 Lotos 6 Lotos 6 LEP 6 MBAN 1 Medule 1 MOL 6 PUR 6 PUR 6 PUR 6 PUR 6 PUR 6		5
ITG 5. JSW 5 KGH 5 KGHM 5 KGHM 5 KGHA 5 KGHA 5 Lobs 5 LDP 5 MBCHA 5 MBCHA 5 MBCHA 5 MBCHA 5 MCOLI 1,2,3 MERCHA Money Bank 1,2,3 MOA 5 MON 5 OMY 5 OVING 5 OVING 5 OVING 5 OVING 5 OVING 5 PRIS	Immofinanz	5
ITG 5. JSW 5 KGH 5 KGHM 5 KGHM 5 KGHA 5 KGHA 5 Lobs 5 LDP 5 MBCHA 5 MBCHA 5 MBCHA 5 MBCHA 5 MCOLI 1,2,3 MERCHA Money Bank 1,2,3 MOA 5 MON 5 OMY 5 OVING 5 OVING 5 OVING 5 OVING 5 OVING 5 PRIS	IPF	5
JSW 5 Kornel 5 Kornel 5 Kornel 5 Kornel 5 Kruk 5 LDOS 5 LPP 5 mBank 5 Medule 12,3 Millionium 5 MOL 5 MONEYA Money Bank 12,3,5 Nela 5 OMY 5 OMY 5 OMY 5 PER 5 PER 5 PRS 5 PRS 6 PRS 8 REI 6		
Keml 5 KCHM 5 KCHM 5 KCM 5 KTUA 5 Loos 5 LEDE 5 mBank 5 Medule 1,2,3 Medule 1,2,3 MOLI 5 MOLI 5 MOLI 5 MONETA Money Bank 1,2,3,5 Neta 5 ONY 5 ONY 5 OWA 5 Orange PL 5 PGE 5 PRID 5 PRID 6 PRID 5 PRID 6 PRID 5 PRID 5 PRID 6 PRID 6 PRID 6 PRID 7 PRID 6 RE 6 RE 6 RE		
KGHM 5 Konarori 5 Kork 5 Lotos 5 LPP 5 mBark 6 Module 1,2,3 Millennium 5 NOL 5 MONETA Money Bank 1,2,3,5 Notin 5 OMY 5 ONY 5 Polis 6 Polis 6 Polis 6 Polis 6		
Konaconi 5 Kruk 5 Lobis 5 LPP 5 mBank 5 Medulie 1,2,3 Moleculum 6 MOL 5 MOL 5 MONETAMoney Bank 1,2,3 Notal 5 OMV 5 Orange PL 5 Péaso 5 PRG 5 PRG 5 PNOrlen 5 PKO BP 5 PKO BP 5 PKO Reg 6 PKO Reg 6 RB 6 RC Reg 6 RC Reg 6 ROWS 6		
Kiuk 5 Lolos 6 LPP 6 mBank 5 MecUe 1,2,3 Millernium 5 MCL 5 MOLTA Monny Bank 1,2,3,5 Netla 5 OMY 6 OMY 6 Omap PL 5 Pekao 5 PRE 5 PRIJE Morris 5 PKO BP 1,2,3,5 PKV Grago 5 PKV Cargo 5 PKP Cargo 5 RBI 5 RC2 4 RC2 4 RC3 4 RC4 4 RC5 5 SNP - OMV Petron 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transalectrics 1,5 Uniperior 1,5 Uniperior 1,5		5
LPP 5 mBank 5 Medulte 1,2,3 Millenntum 5 MCL 5 MOLP 5 MONETA Money Bank 1,2,3,5 ORM 5 CMW 5 Orange PL 5 Peka0 5 PGE 6 PKG 5 PKO BP 5 PKO Offen 5 PKP Cargo 5 PKP Cargo 5 RBI 5 RBI 5 RC2 6 RC3 5 RC4 5 RDW Petrom 5 SNP-QAVIV Petrom 9,5 SNP-QAVIV Petrom 9,5 Banca Transilvania 5 Transelectica 1,6 Transelectica 1,5 Transpect 1,5 Unipetrol 5		5
LPP S mBank 5 Medulie 1,2,3 Mellenoum 5 MCI 5 MONETA Money Bank 1,2,3,5 Nola 5 OMY 5 Omy 5 Orange PL 5 Pekaa 5 PGE 5 PKO 5 PKO BP 3 PKO PK 3 PKP Cargo 5 PKP Cargo 5 PRE 3 RBI 5 RBI 5 RC2 6 RC3 5 RC4 5 RD4 5 RBI 6 SIF2 10 SNP-OMV Person 9,5 SNP-OMV Person 9,5 Snp-OMV Person 9,5 Banca Transilvania 5 Transilectica 1,4,5 Transilectica 1,5		5
mBank 5 Med.Ide 1,2,3 Millennium 5 MCL 5 MCD 5 MCNETA Money Bank 1,2,3,5 Netia 5 ONV 5 ORE 5 Pekao 5 PRE 5 PRID Morris 5 PKO BP 1,2,3,5 PKN Offen 5 PKV Cargo 5 PZU 5 RBI 6 RC2 4 RRC2 4 Rompaz 5 SIF2 10 SNP-OMV Petrom 3,5 Q2 CR 1,4,5 Banca Transilvaria 5 Transgaz 1,5 WSE 1,0		5
Medicifie 1,2,3 Millennium 5 MOL 5 MONETA Money Bank 1,2,3,5 Netia 5 OMV 5 Orange PL 5 Péau 5 PRG 5 PRIID 5 PKD BP 5 PKN Orion 5 PKN Orion 5 PKV Cargo 5 PKU 5 RBI 5 RC2 4 RC3 4 RC4 4 ROmpaz 5 SIF 2 10 SNP - GMV Petron 3.5 Q C Q R 1,4,5 Benca Translvania 5 Translectrica 5 Translectrica 5 Unipetrol 5		
Milennium 5 MOL 5 MONETA Money Bank 1,2,3,5 Notal 5 OMW 5 Omy 6 Pekan 6 PEQ 5 PRIII Moris 5 PKO BP 1,2,3,5 PKN Orlen 5 PKP Cargo 5 PKP Cargo 6 RBI 6 RC2 4 RC3 4 RC4 4 RSP CMV Petron 3,5 Ox CR 1,4,5 Banca Translivania 5 Transgaz 1,5 Unipetrol 5 Unipetrol 5 Unipetrol 5 Unipetrol 5 Unipetrol 5		
MONETA Money Bank 1, 2, 3, 5 Netia 5 OMV 5 Orange PL 5 Pekao 5 PGE 5 Philip Morris 5 PKO BP 1, 2, 3, 5 PKN Orlen 5 PKP Cargo 5 PZU 5 RBI 5 RC2 4 Rongaz 5 SIF2 10 SNP-OMV Petron 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transpaz 1,5 Unipetrol 5 WSE 1		
MONETA Money Bank 1, 2, 3, 5 Netia 5 OMV 5 Orange PL 5 Pekao 5 PGE 5 Philip Morris 5 PKO BP 1, 2, 3, 5 PKN Orlen 5 PKP Cargo 5 PZU 5 RBI 5 RC2 4 Rongaz 5 SIF2 10 SNP-OMV Petron 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transpaz 1,5 Unipetrol 5 WSE 1	MOL	5
Netia 5 OMV 5 Orange PL 5 Pekao 5 PGE 5 Philip Morris 5 PKO BP 1,2,3,5 PKN Orlen 5 PKP Cargo 5 PZU 5 RBI 6 RG2 4 Rongaz 4 SIF2 10 SNP-OMV Petrom 3,5 O2 R 1,4,5 Banca Transilvania 5 Transpagaz 1,5 Unipetrol 5 WSE 1,6	MONETA Money Bank	
Orange PL 5 Pekao 5 PGE 6 Philip Morris 5 PKO BP 1,2,3,5 PKN Orlen 5 PKP Cargo 6 PZU 5 RBI 5 RC2 4 Romgaz 5 SIF2 10 SNP-OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transplectrica 5 Transplectrica 1,5 Unipetrol 5 WSE 1,6		
Pekao 5 PGE 5 Philip Morris 5 PKO BP 1,2,3,5 PKN Orlen 5 PKP Cargo 5 PZU 5 RBI 5 RC2 4 Romgaz 5 SIF2 10 SIP-OMV Petron 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	OMV	5
Pekao 5 PGE 5 Philip Morris 5 PKO BP 1,2,3,5 PKN Orlen 5 PKP Cargo 5 PZU 5 RBI 5 RC2 4 Romgaz 5 SIF2 10 SIP-OMV Petron 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	Orange PL	5
Philip Morris 5 PKO BP 1,2,3,5 PKN Orlen 5 PKP Cargo 5 PZU 5 RBI 5 RC2 4 RomgaZ 5 SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1		5
PKO BP 1,2,3,6 PKN Orlen 5 PKP Cargo 5 PZU 5 RBI 5 RC2 4 Romgaz 5 SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	PGE	5
PKN Orlen 5 PKP Cargo 5 PZU 5 RBI 5 RC2 4 Romgaz 5 SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	Philip Morris	5
PKP Cargo 5 PZU 5 RBI 5 RC2 4 Romgaz 5 SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	PKO BP	1, 2, 3, 5
PZU 5 RBI 5 RC2 4 Romgaz 5 SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1		
RBI 5 RC2 4 Romgaz 5 SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	PKP Cargo	5
RC2 4 Romgaz 5 SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1		5
Romgaz 5 SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	RBI	5
SIF2 10 SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	RC2	4
SNP - OMV Petrom 3,5 O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	Romgaz	5
O2 CR 1,4,5 Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1		10
Banca Transilvania 5 Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	SNP – OMV Petrom	3, 5
Transelectrica 5 Transgaz 1,5 Unipetrol 5 WSE 1	O2 CR	1,4,5
Transgaz 1,5 Unipetrol 5 WSE 1	Banca Transilvania	
Transgaz 1,5 Unipetrol 5 WSE 1	Transelectrica	5
Unipetrol 5 WSE 1		
WSE 1		
	Warimpex	1, 5

Description

- The company currently is, or in the past 12 months was, a client of Wood & Co or its affiliated companies for the provision of investment banking services.
- 2 In the past 12 months, Wood & Co or its affiliated companies have received compensation for Corporate Finance/Investment Banking services from this company.
- 3 In the past 12 months, Wood & Co or any of its affiliated companies have been lead manager, co-lead manager or co-manager of a public offering of the company's financial instruments.
- 4 Wood & Co acts as corporate broker to this company and/or Wood & Co or any of its affiliated companies may have an agreement with the company relating to the provision of Corporate Finance/Investment Banking services.
- Wood & Co or any of its affiliated companies is a market maker or liquidity provider in relation to securities issued by this company.
- 6 In the past 12 months, Wood & Co, its partners, affiliated companies, officers or directors, or any authoring analyst involved in the preparation of this investment research has provided services to the company for remuneration, other than normal course investment advisory or trade execution services.



7 March 2019

- 7 Those persons identified as the author(s) of this investment research, or any individual involved in the preparation of this investment research, have purchased/received shares in the company prior to a public offering of those shares, and the price at which they were acquired along with the date of acquisition are disclosed above.
- 8 The authoring analyst, a member of the authoring analyst's household, or any individual directly involved in the preparation of this investment research has a direct ownership position in securities issued by this company.
- 9 A partner, director, officer, employee or agent of Wood & Co and its affiliated companies, or a member of his/her household, is an officer, or director, or serves as an advisor or board member of this company.
- As of the month end immediately preceding the date of publication of this investment research Wood & Co or its affiliate companies, in the aggregate, beneficially owned 1% or more of any class of the total issued share capital or other common equity securities of the company or held a material non-equity financial interest in this company.
- As of the month end immediately preceding the date of publication of this investment research the relevant company owned 1% or more of any class of the total issued share capital in Wood & Co or any of its affiliated companies.
- 12 Other specific disclosures as described above.

The authoring analysts who are responsible for the preparation of this investment research have received (or will receive) compensation based upon (among other factors) the Corporate Finance/Investment Banking revenues and general profits of Wood & Co. However, such authoring analysts have not received, and will not receive, compensation that is directly based upon or linked to one or more specific Corporate Finance/Investment Banking activities, or to recommendations contained in the investment research.

Wood & Co and its affiliated companies may have a Corporate Finance/Investment Banking or other relationship with the company that is the subject of this investment research and may trade in any of the designated investments mentioned herein either for their own account or the accounts of their customers, in good faith or in the normal course of market making. Accordingly, Wood & Co or their affiliated companies, principals or employees (other than the authoring analyst(s) who prepared this investment research) may at any time have a long or short position in any such designated investments, Related designated investments or in options, futures or other derivative instruments based thereon.

Wood & Co manages conflicts of interest arising as a result of preparation and publication of research through its use of internal databases, notifications by the relevant employees and Chinese Walls as monitored by Compliance. For further details see our website at www.wood.com in the Section Corporate Governance or via the link http://www.wood.com/research.html

The information contained in this investment research has been compiled by Wood & Co from sources believed to be reliable, but (with the exception of the information about Wood & Co) no representation or warranty, express or implied, is made by Wood & Co, its affiliated companies or any other person as to its fairness, accuracy, completeness or correctness. Wood & Co has not independently verified the facts, assumptions, and estimates contained herein. All estimates, opinions and other information contained in this investment research constitute Wood & Co's judgement as of the date of this investment research, are subject to change without notice and are provided in good faith but without legal responsibility or liability.

Wood & Co salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and our proprietary trading desk that reflect opinions that are contrary to the opinions expressed in this investment research. Wood & Co's affiliates, proprietary trading desk, and investing businesses may make investment decisions that are inconsistent with the recommendations or views expressed in this investment research.

This investment research is provided for information purposes only and does not constitute an offer or solicitation to buy or sell any designated investments discussed herein in any jurisdiction where such offer or solicitation would be prohibited. As a result, the designated investments discussed in this investment research may not be eligible for sale in some jurisdictions. This investment research is not, and under no circumstances should be construed as, a solicitation to act as a securities broker or dealer in any jurisdiction by any person or company that is not legally permitted to carry on the business of a securities broker or dealer in that jurisdiction. This material is prepared for general circulation to clients and does not have regard to the investment objectives, financial situation or particular needs of any particular person. Investors should obtain advice based on their own individual circumstances before making an investment decision. To the fullest extent permitted by law, none of Wood & Co, its affiliated companies or any other person accepts any liability whatsoever for any direct or consequential loss arising from or in connection with the use of this material.

For United Kingdom or European Residents:

This investment research is for persons who are Eligible Counterparties or Professional Clients only and is exempt from the general restrictions in section 21 of the Financial Services and Markets Act 2000 (or any analogous legislation) on the communication of invitations or inducements to engage in investment activity on the grounds that it is being distributed in the United Kingdom only to persons of a kind described in Article 19(5) (Investment Professionals) and 49(2) (High Net Worth companies, unincorporated associations etc) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended). It is not intended to be distributed or passed on, directly or indirectly, to any other class of persons. This material is not for distribution in the United Kingdom or Europe to retail clients, as defined under the rules of the Financial Conduct Authority.

For United States Residents:

This investment research distributed in the United States by WOOD&Co, and in certain instances by Brasil Plural Securities LLC ('Brasil Plural'), a U.S registered broker dealer, only to "major U.S. institutional investors", as defined under Rule 15a-6 promulgated under the US Securities Exchange Act of 1934, as amended, and as interpreted by the staff of the US Securities and Exchange Commission. This investment research is not intended for use by any person or entity that is not a major U.S institutional investor. If you have received a copy of this research and are not a major U.S institutional investor, you are instructed not to read, rely on or reproduce the contents hereof, and to destroy this research or return it to WOOD&Co or to Brasil Plural. Analyst(s) preparing this report are employees of WOOD&Co who are resident outside the United States and are not associated persons or employees of any US registered broker-dealer. Therefore the analyst(s) are not be subject to Rule 2711 of the Financial Industry Regulatory Authority (FINRA) or to Regulation AC adopted by the U.S Securities and Exchange Commission (SEC) which among other things, restrict communications with a subject company, public appearances and personal trading in securities by a research analyst. Any major U.S Institutional investor wishing to effect transactions in any securities referred to herein or options thereon should do so by contacting a representative of Brasil Plural Securities LLC. Brasil Plural is a broker-dealer registered with the SEC and a member of FINRA and the Securities Investor Protection Corporation. Its address is 545 Madison Avenue, 8th Floor, New York, NY 10022 and its telephone number is 212-388-5613. WOOD&Co is not affiliated with Brasil Plural Securities LLC or any other U.S registered broker-dealer.



7 March 2019

Czech Republic

namesti Republiky 1079/1a

Palladium 110 00 Praha 1 Tel +420 222 096 111 Fax +420 222 096 222 Poland

Skylight Zlote Tarasy Zlota 59 00 120 Warszawa Tel +48 22 222 1530

Fax +48 22 222 1531

UK

Co-Head of Research/Head of Greek Research

alex.boulougouris@wood.com

City Point, 11th Floor 1 Ropemaker Street London EC2Y 9HT Tel: +44 20 3530 0691 Italy

Via Vittor Pisani, 22 20124 Milan Italy Tel + 39 02 67910 963

Fax +39 02 67910 761

Kristen Andrasko Head of Equities

+420 222 096 253 kristen.andrasko@wood.com

Bloomberg page WUCO

Research

Co-Head of Research/Head of Research Poland

Marta Jezewska-Wasilewska

+48 22 222 1548

Utilities/Mining/Pharma

+420 222 096 250

+44 203 530 0621

Consumer/Real Estate

Jakub Caithaml

+420 222 096 481

+420 222 096 320

jakub.mician@wood.com

bram.buring@wood.com

jonathan.lamb@wood.com

jakub.caithaml@wood.com

Bram Buring

Energy Jonathan Lamb

marta.jezewska-wasilewska@wood.com

Ildar Davletshin +44 203 530 0631

Alex Boulougouris

+30 211 106 9447

ildar.davletshin@wood.com

Can Demir +44 203 530 0623 can.demir@wood.com

Energy/Utilities

Ondrej Slama +420 222 096 484 ondrej.slama@wood.com

Romania

Stefan Lungu +44 203 530 0694 stefan.lungu@wood.com Consumer/Industrials

Lukasz Wachelko +48 22 222 1560

lukasz.wachelko@wood.com

EMEA TMT & Industrials/Turkey

Atinc Ozkan +90 542 202 3632 atinc.ozkan@wood.com

Poland/TMT

Piotr Raciborski +48 22 222 1551 piotr.raciborski@wood.com

Poland

Pawel Wieprzowski +48 22 222 1549 pawel.wieprzowski@wood.com

Greece

Fani Tzioukalia +30 211 106 9449 fani.tzioukalia@wood.com Macroeconomics

Raffaella Tenconi +44 203 530 0685

raffaella.tenconi@wood.com

Macroeconomics
Alessio Chiesa
+44 75177 06102

alessio.chiesa@wood.com

Metals/Mining
Andy Jones
+44 20 3530 0629
andy.jones@wood.com

Consumer/Industrials
Gabriela Burdach
+48 22 222 1545

gabriela.burdach@wood.com

Financials

David Lojkasek
+420 222 096 256

david.lojkasek@wood.com

Sales

Consumer Jakub Mician

Kristen Andrasko +420 222 096 253

kristen.andrasko@wood.com

Grzegorz Skowronski

+48 22 222 1559

grzegorz.skowronski@wood.com

Markus Ulreich +420 222 096 418

+420 222 096 418 markus.ulreich@wood.com Jan Koch +48 22 222 1616 jan.koch@wood.com

Jan Thomson +44 20 3530 0686 jan.thomson@wood.com

Tatiana Sarandinaki

Brasil Plural in association with WOOD & Co

+1 212 388 5613

tsarandinaki@wood-brasilplural.com

Piotr Kopec +48 22 222 1615 piotr.kopec@wood.com

Jarek Tomczynski +44 203 530 0688 jarek.tomczynski@wood.com loana Pop +44 20 3530 0693 ioana.pop@wood.com

Kostas Tsigkourakos +30 694 082 5810

kostas.tsigkourakos@wood.com

Sales Trading and Execution Services

Jennifer Ewing +44 20 3530 0692 jennifer.ewing@wood.com

Martin Stuchlik

+420 222 096 855 martin.stuchlik@wood.com Zuzana Mora

+420 222 096 283 zuzana.hronska@wood.com

Vladimir Vavra +420 222 096 397 vladimir.vavra@wood.com Audrey Parker +44 20 3530 0695 audrey.parker@wood.com Ermir Shkurti +420 222 096 847 ermir.shkurti@wood.com

For our disclaimer, please see the back pages of this report.