

Hypoport AG

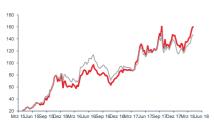
Buy → | Target 167.00 EUR

Price (03/05/2018): 160.20 EUR| Upside: 4 %

2018e 2019e Est.cha

Another complementary acquisition in the real estate area further extends Hypoport's value chain

Publication date 04.05.2018 07:48 Writing date 04.05.2018 07:46



Hypoport AG —Hypoport AG Reli	ative to Property,	holdings, other fi (Rebased)
Source : Oddo BHF Securitie	es, Fininfo		
Capital			
HYQ GY HYQGn.DE			
Market Cap (EURm)			1,000
Enterprise value (EURm)			1,009
Extrema 12 months		101.8	161.0
Free Float (%)			56.1
Performance (%)	1m	3m	12m
Absolute	17.8	24.2	61.7
Perf. rel. Country Index	13.0	25.3	63.7
Perf. rel. Property, holding	13.9	25.9	55.9
P&L	12/18e	12/19e	12/20e
Sales (EURm)	244	278	316
EBITDA (EURm)	39.3	46.4	55.0
` '	39.3 30.5	46.4 35.4	55.0 42.2
EBITDA (EURm)			
EBITDA (EURm) Current EBIT (EURm)	30.5	35.4	42.2
EBITDA (EURm) Current EBIT (EURm) Attr. net profit (EURm)	30.5 23.7	35.4 27.5	42.2 33.5
EBITDA (EURm) Current EBIT (EURm) Attr. net profit (EURm) Adjusted EPS (EUR)	30.5 23.7 3.87	35.4 27.5 4.41	42.2 33.5 5.36
EBITDA (EURm) Current EBIT (EURm) Attr. net profit (EURm) Adjusted EPS (EUR) Dividend (EUR)	30.5 23.7 3.87 0.00	35.4 27.5 4.41 0.00	42.2 33.5 5.36 0.00
EBITDA (EURm) Current EBIT (EURm) Attr. net profit (EURm) Adjusted EPS (EUR) Dividend (EUR) P/E (X)	30.5 23.7 3.87 0.00 41.4	35.4 27.5 4.41 0.00 36.3	42.2 33.5 5.36 0.00 29.9
EBITDA (EURm) Current EBIT (EURm) Attr. net profit (EURm) Adjusted EPS (EUR) Dividend (EUR) P/E (x) P/B (x)	30.5 23.7 3.87 0.00 41.4 9.2	35.4 27.5 4.41 0.00 36.3 7.5	42.2 33.5 5.36 0.00 29.9 6.0
EBITDA (EURm) Current EBIT (EURm) Attr. net profit (EURm) Adjusted EPS (EUR) Dividend (EUR) P/E (x) P/B (x) Dividend Yield (%)	30.5 23.7 3.87 0.00 41.4 9.2 0.0	35.4 27.5 4.41 0.00 36.3 7.5 0.0	42.2 33.5 5.36 0.00 29.9 6.0 0.0
EBITDA (EURm) Current EBIT (EURm) Attr. net profit (EURm) Adjusted EPS (EUR) Dividend (EUR) P/E (x) P/B (x) Dividend Yield (%) FCF yield (%)	30.5 23.7 3.87 0.00 41.4 9.2 0.0 0.9	35.4 27.5 4.41 0.00 36.3 7.5 0.0 1.5	42.2 33.5 5.36 0.00 29.9 6.0 0.0 2.0

Move	Evente
Next	Events

Gearing (%)

Net Debt/FBITDA(x)

04.05.2018 Annual General meeting 06.08.2018 05.11.2018 Q3 Results

16

Strong Q1 2018 figures confirmed

Since Hypoport already reported its Q1 transaction volume on 18 April 2018 and its Q1 sales and EBIT on 25 April 2018, there was little room for surprise in yesterday's (03 May) Q1 report. Final sales (€ 60.1m; Q1 2017: 47.7m, +26.0%) and EBIT (€ 7.5m; Q1 2017: 7.0m, +7.8% yoy) matched the preliminaries. Net income (€ 5.9m) was slightly above our estimate (€ 5.8m), and increased 8.0% vs Q1 2017 (€ 5.4m). Not unexpectedly, sales in the Institutional Clients segment grew 13.5% yoy on top of a very strong comparison base. This was due to the increase in the general interest-rate level. This segment's EBIT even increased 28.5% yoy. Thus, the company's high expenditure for the digitisation of business processes and the expansion of its sales network in 2017 paid off, but management is planning further digitisation investments in 2018. The Insurance Platform's sales growth of +48% was in line with the full-year guidance of +50%. The company's current focus on market share gains in this segment resulted in a segment EBIT loss of €-0.8m, but management said that results will improve in the course of the year.

Acquisition provides final link in the value chain for property transactions for both private and institutional clients

Hypoport also announced yesterday (03 May) its second acquisition in a few days. As of 1 May, it took over 100% of Value AG, a Berlin-based property valuation company with >60 employees and sales of >€ 8m in 2017. According to the latest available annual accounts (2016), Value AG posted net income of € 0.8m in 2016 (2015: € 0.7m) under German GAAP. The purchase price (payable in cash) was not disclosed; for this information we will have to wait for the preliminary PPA in the H1 report. Benefits from the acquisition: 1) It will permit a quicker scaling up of the services of HypService (Hypoport's property valuation company in the consumer loan segment) in its standard business (integrated with EUROPACE). HypService has already won >100 banks as clients, but is not yet profitable. 2) Establishment of a provider offering a complete range of services for mortgage lenders in Germany based on the high level of Value AG's expertise also in the valuation of individual properties. 3) Hypoport can now offer small and medium-sized banks the option to outsource their entire property valuation departments. 4) Expands the service offering for the housing industry by including the valuation of individual properties and portfolios.

Redefined segment reporting to reflect value chain expansion

Hypoport will reshape its segment reporting once more in its H1 2018 report. The Institutional Clients segment will be renamed (probably to "Property Platform") and will comprise all of the Group's property-related activities except private loan brokerage and including the newly acquired FIO SYSTEMS AG and Value AG, as well as its other property valuation company HypService (which will move over from the Credit Platform segment).

Buy confirmed

-11

ns

0.0

The evolving combination of previously offered and new services and the upcoming reshaping of the segments currently complicate our analysis of the Hypoport group as well as our sales and earnings estimates. A valuation update is also difficult due to the lack of information on the purchase price for Value AG. Thus, for the time being, we leave our estimates and target price unchanged. We do assume, though, that the integration of Value AG will enable the group to build an unparalleled one-stop shop for most loan sizes and building types in the area of property valuation in Germany. Hypoport's strong Q1 also provides a solid base for its full-year performance. We confirm our Buy rating and TP of € 167.

Martin Decot (Analyst) +49 (69) 71 83 736 martin.decot@oddo-bhf.com



HYQGn.DE HYQ GY Financial Services Germany		uy oside 4.2	4%			Price 160 TP 167	0.20EUR 7.00EUR	
PER SHARE DATA (EUR)	12/13	12/14	12/15	12/16	12/17	12/18e	12/19e	12/20e
Adjusted EPS	0.51	0.96	2.63	3.00	3.10	3.87	4.41	5.36
Reported EPS	0.51	0.96	2.63	3.00	3.10	3.87	4.41	5.36
Growth in EPS(%) Net dividend per share	ns 0.00	88.0% 0.00	ns 0.00	14.2% 0.00	3.3% 0.00	24.8% 0.00	14.0% 0.00	21.6% 0.00
FCF to equity per share	0.67	0.37	3.24	1.50	-0.40	1.47	2.42	3.24
Book value per share	5.34	6.29	8.68	10.62	13.90	17.37	21.43	26.79
Number of shares market cap	6.14	6.14	6.04	6.01	5.94	6.12	6.24	6.24
Number of diluted shares	6.14	6.14	6.04	6.01	5.94	6.12	6.24	6.24
VALUATION 12m highest price	12/13 10.46	12/14 13.78	12/15 80.50	12/16 97.00	12/17 161	12/18e 160	12/19e	12/20e
12m lowest price	7.03	8.67	12.16	53.59	77.48	120		
(*) Reference price	8.27	11.01	33.28	75.07	114	160	160	160
Capitalization	50.7	67.6	201	451	676	980	1,000	1,000
Restated Net debt	5.9	3.9	-13.5	-11.7	2.0	17.0	1.9	-18.3
Minorities (fair value)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial fixed assets (fair value) Provisions	0.0 0.5	0.0	0.0 2.1	0.0 10.9	0.0	0.0	0.0 7.1	0.0
Enterprise Value	57.1	1.0 72.5	190	451	7.1 685	7.1 1,004	1,009	7.1 989
P/E (x)	16.1	11.4	12.7	25.0	36.7	41.4	36.3	29.9
P/CF (x)	5.2	4.4	5.7	16.0	27.3	30.5	26.2	21.8
Net Yield (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FCF yield (%)	8.1%	3.3%	9.7%	2.0%	ns	0.9%	1.5%	2.0%
P/B incl. GW (x)	1.55	1.75	3.84	7.07	8.18	9.22	7.48	5.98
P/B excl. GW (x)	1.55 0.58	1.75 0.65	3.84 1.36	7.07 2.88	8.18 3.52	9.22 4.12	7.48 3.63	5.98 3.13
EV/Sales (x) EV/EBITDA (x)	7.0	5.7	7.6	15.9	22.7	25.5	21.7	18.0
EV/EBIT (x)	14.5	9.1	9.8	19.4	29.4	32.9	28.5	23.5
(*) historical average price								
PROFIT AND LOSS (EURm)	12/13	12/14	12/15	12/16	12/17	12/18e	12/19e	12/20e
Sales	98	112	139	157	195	244	278	316
EBITDA Depreciations	8.1 -4.2	12.7 -4.8	25.1 -5.8	28.3 -5.1	30.1 -6.8	39.3 -8.8	46.4 -11.0	55 -12.8
Current EBIT	3.9	7.9	19.3	23.2	23.3	30.5	35.4	42.2
Published EBIT	3.9	7.9	19.3	23.2	23.3	30.5	35.4	42.2
Net financial income	-0.9	-0.7	-0.1	-0.4	-0.3	-0.9	-0.9	-0.2
Corporate Tax	0.1	-1.3	-3.2	-4.8	-4.6	-6.0	-7.0	-8.5
Net income of equity-accounted companies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Profit/loss of discontinued activities (after tax) Minority interests	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Attributable net profit	3.1	5.9	15.9	18.0	18.4	23.7	27.5	33.5
Adjusted attributable net profit	3.1	5.9	15.9	18.0	18.4	23.7	27.5	33.5
BALANCE SHEET (EURm)	12/13	12/14	12/15	12/16	12/17	12/18e	12/19e	12/20e
Goodwill Other intensible seests	0.0 29.6	0.0 31.0	0.0 31.9	0.0 41.7	0.0 56.0	0.0 91.8	0.0 96.8	0.0 102
Other intangible assets Tangible fixed assets	29.6	2.2	2.6	2.6	4.4	8.5	10.9	13.1
WCR	6.9	9.0	4.9	10.8	27.3	25.8	30.6	35.8
Financial assets	0.8	1.6	1.9	2.3	4.2	4.5	4.9	5.3
Ordinary shareholders equity	32.8	38.6	52.4	63.8	82.6	106	134	167
Minority interests	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Shareholders equity Non-current provisions	33.1 0.5	38.9 1.0	52.7 2.1	64.1 4.9	82.9 7.1	107 7.1	134 7.1	168 7.1
Net debt	5.9	3.9	-13.5	-11.7	2.0	17.0	1.9	-18.3
CASH FLOW STATEMENT (EURm)	12/13	12/14	12/15	12/16	12/17	12/18e	12/19e	12/20e
EBITDA	8.1	12.7	25.1	28.3	30.1	39.3	46.4	55.0
Change in WCR	3.7	-3.0	2.9	-7.5	-16.1	-6.9	-4.8	-5.3
Interests & taxes	-1.5	-1.3	-2.9	-3.4	-4.8	-6.9	-7.9	-8.7
Others Operating Cash flow	-0.5 9.9	0.0 8.4	1.6 26.7	-0.7 16.7	-0.6 8.7	-0.3 25.2	-0.3 33.5	-0.4 40.6
CAPEX	-5.7	-6.2	-7.1	-7.7	-11.1	-16.3	-18.4	-20.4
Free cash-flow	4.1	2.2	19.6	9.0	-2.4	9.0	15.1	20.2
Acquisitions / disposals	0.0	0.0	0.0	0.0	-0.5	0.0	0.0	0.0
Dividends Not conital increase	0.0 0.0	0.0 0.0	0.0 -2.3	0.0 -6.9	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Net capital increase Others	-1.4	-1.2	-2.3 -4.6	3.5	14.9	13.0	-14.4	-12.0
Change in net debt	4.2	1.9	17.3	-3.4	-12.5	-15.0	15.1	20.2
GROWTH MARGINS PRODUCTIVITY	12/13	12/14	12/15	12/16	12/17	12/18e	12/19e	12/20e
Sales growth	11.8%	14.5%	23.7%	12.7%	24.4%	25.2%	14.1%	13.7%
Lfl sales growth	0.0%	0.0%	0.0%	0.0%	0.0% 0.3%	0.0%	0.0%	0.0%
Current EBIT growth Growth in EPS(%)	23.5% ns	ns 88.0%	ns ns	20.6% 14.2%	3.3%	30.9% 24.8%	15.9% 14.0%	19.2% 21.6%
Net margin	3.2%	5.3%	11.4%	11.5%	9.5%	9.7%	9.9%	10.6%
EBITDA margin	8.3%	11.3%	18.0%	18.1%	15.5%	16.1%	16.7%	17.4%
Current EBIT margin	4.0%	7.1%	13.9%	14.8%	12.0%	12.5%	12.7%	13.3%
CAPEX / Sales	-5.8%	-5.5%	-5.1% 2.5%	-4.9% 6.0%	-5.7%	-6.7%	-6.6% 11.0%	-6.5%
WCR / Sales Tax Rate	7.0% -3.3%	8.0% 18.2%	3.5% 16.9%	6.9% 20.8%	14.0% 19.9%	10.6% 20.2%	11.0% 20.2%	11.3% 20.2%
Normative tax rate	-3.3% -31.1%	-20.1%	-28.3%	-30.3%	-25.8%	20.2%	20.2% ns	79.6%
Asset Turnover	2.5	2.8	3.4	3.3	2.7	2.3	2.1	2.2
ROCE post-tax (normative tax rate)	13.0%	23.6%	60.6%	64.1%	41.1%	22.2%	ns	6.0%
ROCE post-tax hors GW (normative tax rate)	13.0%	23.6%	60.6%	64.1%	41.1%	22.2%	ns	6.0%
ROE DEBT RATIOS	10.1% 12/13	16.6% 12/14	34.9% 12/15	31.0% 12/16	25.2% 12/17	25.1% 12/18e	22.9% 12/19e	22.3% 12/20e
Gearing	12/13 18%	12/14 10%	-26%	-18%	12/17 2%	12/18e 16%	12/19e 1%	-11%
Net Debt / Market Cap	0.12	0.06	-0.07	-0.03	0.00	0.02	0.00	-0.02
Net debt / EBITDA	0.72	0.31	ns	ns	0.07	0.43	0.04	ns
EBITDA / net financial charges	ns	ns	ns	ns	ns	ns	ns	ns
Source: ODDO BHF Securities, Fininfo								

Hypoport AG Friday 04 May 2018



· Valuation method

Our target prices are established on a 12-month timeframe and we use three valuation methods to determine them. First, the discounting of available cash flows using the discounting parameters set by the Group and indicated on Oddo BHF' website. Second, the sum-of-the-parts method based on the most pertinent financial aggregate depending on the sector of activity. Third, we also use the peer comparison method which facilitates an evaluation of the company relative to similar businesses, either because they operate in identical sectors (and are therefore in competition with one another) or because they benefit from comparable financial dynamics. A mixture of these valuation methods may be used in specific instances to more accurately reflect the specific characteristics of each company covered, thereby fine-tuning its evaluation.

Sensitivity of the result of the analysis/ risk classification:

The opinions expressed in the financial analysis are opinions as per a particular date, i.e. the date indicated in the financial analysis. The recommendation (cf. explanation of the recommendation systematic) can change owing to unforeseeable events which may, for instance, have repercussions on both the company and on the whole industry.

· Our stock market recommendations

Our stock market recommendations reflect the RELATIVE performance expected for each stock on a 12-month timeframe.

Buy: performance expected to exceed that of the benchmark index, sectoral (large caps) or other (small and mid caps).

Neutral: performance expected to be comparable to that of the benchmark index, sectoral (large caps) or other (small and mid caps).

Reduce: performance expected to fall short of that of the benchmark index, sectoral (large caps) or other (small and mid caps).

- . The prices of the financial instruments used and mentioned in this document are the closing prices.
- All publications by Oddo BHF concerning the companies covered and mentioned in this document are available on the research site: www.securities.oddobhf.com

Recommendation and target price changes history over the last 12 months for the company analysed in this report

Date	Reco	Price Target (EUR)	Price (EUR)	Analyst
26.04.18	Buy	167.00	155.80	Martin Decot
10.04.18	Buy	163.00	139.00	Martin Decot
15.01.18	Neutral	139.00	131.60	Martin Decot
30.10.17	Buy	139.00	124.25	Martin Decot
23.10.17	Neutral	139.00	120.75	Martin Decot

In accordance with Article 20 of European Regulation No. 596/2014 (Market Abuse Regulation), a list of all recommendations on any financial instrument or issuer that have been disseminated over the past twelve months is available by clicking on the following link www.securities.oddo-bhf.com

Recommendation split						
		Buy	Neutral	Reduce		
Our whole coverage	(413)	50%	41%	9%		
Liquidity providers coverage	(129)	46%	49%	5%		
Research service coverage	(58)	57%	38%	5%		
Investment banking services	(41)	73%	22%	5%		

Risk of conflict of interest:

sk of conflict of interest:	
Investment banking and/or Distribution	
Has Oddo BHF, managed or co-managed in the past 12 months a public offering of securities for the subject company/ies?	No
Has Oddo BHF, received compensation for investment banking services from the subject company/ies in the past 12 months or expects to receive or intends to seek compensation for investment banking services from the subject company/ies in the last 12 months?	No
Research contract between Oddo group & the issuer	
Oddo BHF and the issuer have agreed that Oddo BHF will produce and disseminate investment recommendations on the said issuer as a service to the issuer	Yes
Liquidity provider agreement and market-making	
At the date of the distribution of this report, does Oddo BHF, act as a market maker or has Oddo BHF, signed a liquidity provider agreement with the subject company/ies?	Yes
Significant equity stake	
Does Oddo BHF, own 5% or more of any class of common equity securities of the subject company/ies?	No
Does the subject company beneficially own 5% or more of any class of common equity of Oddo BHF or its affiliates?	No
Disclosure to Company	
Has a copy of this report; with the target price and/or rating removed, been presented to the subject company/ies prior to its distribution, for the sole purpose of verifying the accuracy of factual statements?	No
Have the conclusions of this report been amended following disclosure to the company/ies and prior its distribution?	No
Additional material conflicts	
Is Oddo BHF, aware of any additional material conflict of interest?	No
Personal conflicts of interest	
Have those responsible for the drafting of the present document acquired securities from the issuer concerned by the present financial analysis?	No
Have those responsible for the drafting of the present document received remuneration directly linked to investment firm service transactions or any other kind of transaction they carry out or any trading commissions they, or any legal person who is part of the same group, receive?	No

Statement of conflict of interests of all companies mentioned in this document may be consulted on Oddo BHF: www.securities.oddo-bhf.com

Hypoport AG Friday 04 May 2018



Disclaimer:

Disclaimer for Distribution by ODDO BHF SCA to Non-United States Investors:

This research publication is produced by ODDO BHF Corporate & Markets, a division of ODDO BHF SCA ("ODDO"), which is licensed by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the Autorité des Marchés Financiers ("AMF").

The research, when distributed outside of the U.S., is intended exclusively for non-U.S. customers of ODDO and cannot be divulged to a third-party without prior written consent of ODDO. This document is not and should not be construed as an offer to sell or the solicitation of an offer to purchase or subscribe for any investment. This research has been prepared in accordance with regulatory provisions designed to promote the independence of investment research. "Chinese walls" (information barriers) have been implemented to avert the unauthorized dissemination of confidential information and to prevent and manage situations of conflict of interest. This research has been prepared in accordance with French regulatory provisions designed to promote the independence of investment research. The recommendation presented in this document is reviewed and updated at least quarterly following each Quarterly Report published by the issuer that is the subject of this Research Report.

At the time of publication of this document, ODDO and/or one of its subsidiaries may have a conflict of interest with the issuer(s) mentioned. While all reasonable effort has been

made to ensure that the information contained is not untrue or misleading at the time of publication, no representation is made as to its accuracy or completeness and it should not be relied upon as such. Past performances offer no guarantee as to future performances. All opinions expressed in the present document reflect the current context which is subject to change without notice. The views expressed in this Research Report accurately reflect the analyst's personal views about the subject securities and/or issuers and no part of his compensation was, is, or will be directly or indirectly related to the specific views contained in the Research Report. This Research Report does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice.

This Research Report is for institutional investors only. It may not contain information necessary for others to make investment decisions. Consult your financial adviser or an

investment professional if you are not an institutional investor.

Disclaimer for Distribution by Oddo New York to United States Investors:

This Research Report is produced by ODDO BHF Corporate & Markets, a division of ODDO. This research is distributed to U.S. investors exclusively by ODDO BHF New York Corporation ("ONY"), MEMBER: FINRA/SIPC, and is intended exclusively for U.S. customers of ONY and cannot be divulged to a third-party without prior written consent of ONY. This document is not and should not be construed as an offer to sell or the solicitation of an offer to purchase or subscribe for any investment. This research has been prepared in accordance with regulatory provisions designed to promote the independence of investment research, "Chinese walls" (information barriers) have been implemented to avert the unauthorized dissemination of confidential information and to prevent and manage situations of conflict of interest. This research has been prepared in accordance with French regulatory provisions designed to promote the independence of investment research. The recommendation presented in this document is reviewed and updated at least quarterly following each Quarterly Report published by the issuer that is the subject of this Research Report.

At the time of publication of this document, ODDO, and/or one of its subsidiaries may have a conflict of interest with the issuer(s) mentioned. While all reasonable effort has been made to ensure that the information contained is not untrue or misleading at the time of publication, no representation is made as to its accuracy or completeness and it should not be relied upon as such. Past performances offer no guarantee as to future performances. All opinions expressed in the present document reflect the current context which is subject to change without notice. The views expressed in this Research Report accurately reflect the analyst's personal views about the subject securities and/or issuers and no part of his compensation was, is, or will be directly or indirectly related to the specific views contained in the Research Report. This Research Report does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice.

This Research Report is for institutional investors only. It may not contain information necessary for others to make investment decisions. Consult your financial adviser or an investment professional if you are not an institutional investor.

Rule 15a-6 Disclosure:

Under Rule 15a-6(a)(3), any transactions conducted by ODDO, and/or one of its subsidiaries with U.S. persons in the securities described in this foreign research must be effected through ONY. As a member of FINRA, ONY has reviewed this material for distribution to U.S. persons as required by FINRA Rules 2241(h) applicable to dissemination of research produced by its affiliate ODDO.

FINRA Disclosures

- Neither ONY, ODDO, nor ODDO BHF Corporate & Markets beneficially owns 1% or more of any class of common equity securities of the subject company.
- The research analyst of ODDO BHF Corporate & Markets, at the time of publication of this research report, is not aware, nor does he or she know or have reason to know of any actual, material conflict of interest of himself or herself, ODDO, ODDO BHF Corporate & Markets or ONY, except those mentioned in the paragraph entitled "Risks of Conflicts of Interest."
- ODDO BHF Corporate & Markets or ODDO may receive or seek compensation for investment banking services in the next 3 months from the subject company of this Research Report, but ONY would not participate in those arrangements.

 Neither ONY, ODDO, ODDO BHF Corporate & Markets has received compensation from the subject company in the past 12 months for providing investment banking services
- except those mentioned in the paragraph of "Risks of Conflict of Interest".
- Neither ONY, ODDO, ODDO BHF Corporate & Markets has managed or co-managed a public offering of securities for the subject company in the past 12 months except those mentioned in the paragraph of "Risk of Conflict of Interest".
- ONY does not make (and never has made) markets and, accordingly, was not making a market in the subject company's securities at the time that this research report was

Regulation AC: ONY is exempt from the certification requirements of Regulation AC for its distribution to a U.S. person in the United States of this Research Report that is prepared by an ODDO BHF Corporate & Markets research analyst because ODDO has no officers or persons performing similar functions or employees in common with ONY and ONY maintains and enforces written policies and procedures reasonably designed to prevent it, any controlling persons, officers or persons performing similar functions, and employees of ONY from influencing the activities of the third party research analyst and the content of research reports prepared by the third party research analyst.

Contact Information of firm distributing research to U.S. investors: ODDO BHF New York Corporation, MEMBER: FINRA/SIPC, is a wholly owned subsidiary of ODDO BHF SCA; Philippe Bouclainville, President (pbouclainville@oddony.com) 150 East 52nd Street New York, NY 10022 212-481-4002.