

Mutares SE & Co KGaA

SPONSORED RESEARCH

5 November 2021

COMPANY UPDATE

Industrials

Buy

PT: €30.00 (vs €22.00)

Changes	2021E	2022E
Revenue	-10.2%	64.7%
EPS	-	-

Key data	
Ticker	MUX GY
Price (4 November 2021)	€23.50
Upside to Price Target (%)	27.7
Market Cap (m)	408
Free Float (%)	50.0
Daily Value Traded (m)	0.4
No. of Shares (m)	20.04
1mth perf (%)	5.9
3mth perf (%)	2.8
12mth perf (%)	101.1
12mth high-low (€)	28 - 11

Key financials

(In EUR M)

Year to Dec	2020A	2021E	2022E
Group revenue	1,584	2,530	4,439
EBITDA (rep.)	143	(21.8)	8.3
EBIT (rep.)	41.2	(246.98)	(377.92)
DPS (c)	1.50	1.75	2.40
Net debt/(cash)	406.4	164.6	117.3
ROCE (NOPAT) (%)	11.4	24.7	23.3
EPS (adj.) y/y (%)			
Net debt/EBITDA	(14.1)	(9.8)	8.83
EV/Sales	0.5	0.2	0.1
EV/EBITDA (adj.)	(26.5)	(32.7)	44.2
EV/EBIT (adj.)	10.5	2.6	1.5
P/E (adj.)			
Dividend yield (%)	6.4	7.4	10.2
Free CF yield (%)	(12.0)	112.7	280.3
EV/CE	1.2	0.7	0.3

Prices are as of close 4 November 2021

Completed: 5 November 2021 02:01EDT Disseminated: 5 November 2021 02:01EDT

All sources unless otherwise stated: Company data, FactSet, Stifel estimates

Share price performance (indexed)



Going for the big fish – price target raise to €30

Summary

- impressively, MUX management has shown flawless execution with its strategic and financial targets over the past 12 months.
- Going forward, MUX will even step up a gear as it expands its TAM. The company feels
 well positioned to target significantly larger investments, a view we share, especially
 against the backdrop of ~€95m of net proceeds from the recent capital increase.
- While we concede that the strategy comes with higher risks, higher returns should more than compensate for that.
- We significantly raise our holding income and earnings estimates, which should trigger continued attractive dividend payouts as we forecast FY21E and FY22E DPS of €1.75 and €2.40, respectively.
- We raise our target price for the stock to €30 (up from €22).

Key Points

- At its recent CMD, MUX management announced that it would step up a gear and target significantly larger acquisitions in the coming years. As this strategy requires "more skin in the game" from private equity buyers, MUX conducted a capital increase, which was successfully completed in October and led to net inflows of ~€95m. Against the backdrop of a strong track record over the last 24 months, which transformed the company into a leading private equity company with a focus on special situations across Europe, and the increased M&A firepower, we see MUX well positioned to execute on its strategic goals.
- The company has set out aggressive new targets, which should catapult aggregated revenue from its portfolio companies to more than €5bn in FY23E. This requires additional revenue of ~€1.2bn in FY22E and FY23E, which, at this stage, may appear stretched. However, in our view, the acquisition of Lapeyre in France, which should add an estimated €600m in revenue and required a cash injection of ~€20m by MUX, proved that MUX management can walk the talk. The current market environment should provide continued tailwinds to MUX special situations strategy and trigger constant deal flow. Hence, we adjust our estimates for group revenue accordingly and now forecast €4.4bn and €4.8bn in FY22E and FY23E, respectively.
- Revenue on the holding level should be boosted by an aggressive expansion of the company's consulting teams, which have grown to ~100 FTEs. MUX plans to double the number of consultants on the platform to ~200 by end-FY23E.
- As a result, we expect revenue and net income from consulting services to grow to
 €49.5m and €24.6m, respectively. Adding regular dividends from portfolio companies
 should result in a FY22E net income from management fees of €40.6m, which would
 mark a remarkable increase of ~37% vs. our FY21E estimates.
- We understand that MUX will maintain its commitment to an attractive dividend policy.
 Our bottom-up analysis concludes that MUX should be in a position to pay a base dividend from management fees of ~€2.0 per share in FY22E. This could go up to ~€2.8 in FY23E. MUX demonstrated its ability to execute on exits over the past 24 months. Hence, we add an extra DPS of €0.50 (mainly stemming from the disposal of STS Group) and €0.75 in FY21E and FY22E to our forecasts.
- We value MUX on a mix of DDM (DPS of €2.0; g = 1.5%) and peer group analysis with a number of European private equity companies as constituents. The latter approach is based on a FY22E P/E target multiple of 14x. Main risks to our investment case include the failure to identify the right investment targets and a longer-than-expected time to restructure portfolio companies.

Benjamin Kohnke | +49 (69) 78808 226 | benjamin.kohnke@stifel.com

Stifel does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.



KEY FINANCIALS AND RATIOS

YEAR TO DECEMBER (IN EUR m)	2017A	2018A	2019A	2020A	2021E	2022E
PROFIT & LOSS ACCOUNT						
Group revenue	900	865	1,016	1,584	2,530	4,439
EBITDA (rep.)	67.2	49.0	79.1	143	(21.8)	8.3
EBIT (rep.)	40.1	19	26.1	41.2	(246.98)	(377.92)
Pre-tax results	35.6	14.7	16.6	16.9	(266)	(397)
Income tax and other items	(36)	(15)	(17)	(17)	266	397
Minorities and other items	0	0	0	0	0	0
EPS, fully diluted (c)	2.86	0.95	1.36	1.78	(14.14)	(17.46)
Exceptionals in EBIT	40.8	(15)	(34)	(32)	(455)	(777)
Profit and Loss Account (adj)						
EBITDA	(28)	4.60	7.50	(29)	(17)	13.3
EBIT	(1)	34.3	60.5	72.7	208	400
CASH FLOW STATEMENT						
EBITDA (rep.)	67.2	49.0	79.1	143	(21.8)	8.3
Change in working capital	38.9	(24)	157	69.9	468	397
Other operating cash flow items	(137)	(36)	(247)	(256)	(11)	914
Cash flow before capex	(31)	(11)	(11)	(43)	435	1,320
Capital expenditure	0	0	0	0	0	0
Free cash flow	(31)	(11)	(11)	(43)	435	1,320
Acquisitions/Disposals/Financial assets	21.2	2.10	18.3	(8)	(77)	(568)
Equity measures, other	(30)	32.9	(165)	(92)	(116)	(704)
Change in net cash	(39)	23.9	(157)	(144)	242	47.2
Net cash (debt)	(130)	(106)	(263)	(406)	(165)	(117)
BALANCE SHEET						
Fixed assets	228	210	399	498	638	1,567
Current Assets	444	421	449	829	1,394	2,404
t/o Trade receivables	1.90	147	143	257	362	422
t/a Cash and equivalents	98.9	108	79.7	145	572	1,175
Group equity	165	208	208	207	200	(61)
t/o Shareholders equity	165	208	208	207	200	(61)
Interest-bearing liabilities	229	214	343	552	736	1,292
Other liabilties and provisions	279	209	298	568	1,095	2,739
t/o Trade libabilities	109	47.0	87.3	116	154	271
Balance sheet total	672	631	849	1,327	2,031	3,971
Net Working Capital	(107)	100	55.3	141	207	151
Capital Employed (incl. Goodwill)	122	310	455	639	845	1,717
RATIOS						
Revenue y/y (%)	38.4	(3.8)	17.4	55.9	59.7	75.5
EBITDA Margin (adj.) (%)	(3)	0.53	0.74	(2)	(1)	0.30
EBIT adj margin (%)	(0.1)	4.0	6.0	4.6	8.2	9.0
EPS (adj.) y/y (%)						
Working capital intensity (%)	(12)	11.6	5.44	8.87	8.20	3.40
DSOs	0.77	62.0	51.2	59.1	52.2	34.7
Inventory turnover (Days)	0	0	0	0	0	0
Net debt (cash) / EBITDA (adj.)	(4.7)	23.0	35.1	(14.1)	(9.8)	8.83
EBITDA (adj.) / Capex						
Free CF yield (%)	(8.4)	(3.1)	(3.0)	(12.0)	112.7	280.3
Oper. FCF Yield (%)	(6.2)	(2.4)	(1.7)	(5.6)	79.0	224.4

5 November 2021 2 / 12



Stepping up a gear

During the CMD, MUX management presented its new growth strategy. While the majority of components to the overall strategy remain unchanged, e.g., the focus on special situations, the focus on companies that operate in the sectors of "Automotive", "Engineering & Technology" and "Goods & Services", the ROIC target of 7-10x, the update is that MUX will focus on (significantly) larger targets in the coming years. MUX believes that its track record, the fact that it is now listed on the Prime Standard of Deutshe Boerse and its well capitalised balance sheet post the successful capital increase, should turn the company into a potential partner of choice for sellers of larger assets.

Management expects the new strategy to result in total group revenue of >€5bn in FY23E, which clearly looks ambitious at first glance as it implies additional net revenue (i.e., deducting revenue from exits) of ~€1.2bn per year, taking our FY21E estimate of €2.5bn as a basis. However, broken down to the budgeted number of acquisitions, it equates to a ~€100m of revenue per acquired company on average. Moreover, the deal number means that each MUX office will have to mathematically execute on 1.5 deals per year, which appears reasonable, in our view.

Figure 1 - Mutares - Broad geographical set-up

Private Equity Special Situations Investor

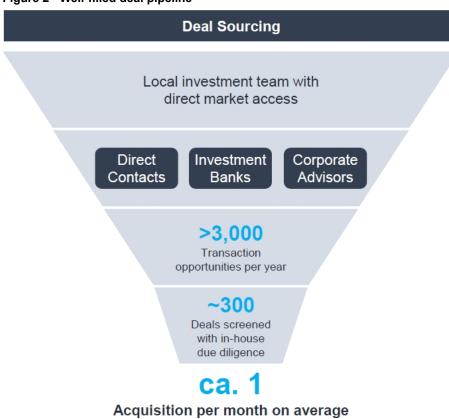
Top player when it comes to carve-outs, restructuring and turnaround with ambitious growth targets



We understand that larger transactions, similar to MUX's recent acquisition of LaPeyre, which will contribute >€600m in annual revenue and a cash injection of €20m by MUX) require a higher commitment from MUX as the Private Equity buyer. Hence, the recent capital increase, which resulted in a cash inflow of ~€95m, was the right strategic step, in our view. As we say in previous research reports, the Private Equity market for special situations is buoyant and should provide strong tailwinds for MUX's growth strategy. As depicted below, the deal pipeline is well filled, which, according to the company, should translate into one deal per month over the next two years.

5 November 2021 3 / 12

Figure 2 - Well-filled deal pipeline



Source: Mutares

FY21E should be in the offing: 3Q21 preview

Mutares will report 3Q21 results on 9 November. We expect another solid set of results, which should bring the company well on track to reach its FY21E guidance, which calls for consolidated group revenue of >€2.4bn and net income at the holding level of €43-53m. Our forecasts for holding income are summarised in Figure 3.

Figure 3 - 3Q21 results preview for holding income

Holding P&L						
(Year end December), IFRS	FY 2020	Q1 2021	Q2 2021	Q3 2021E	Q4 2021E	FY2021E
TOTAL HOLDING INCOME	66.5	17.5	22.3	23.4	29.7	96.7
Change, yoy	250.0%	NM	NM	NM	NM	45.3%
As % of group revenues	4.2%	3.5%	3.7%	3.6%	3.7%	3.8%
o/w income from consulting fees	31.9	10.9	11.9	13.0	13.7	49.5
Change, yoy	NM	51.4%	65.3%	116.7%	53.4%	55.0%
As % of total holding revenues	48%	62%	53%	56%	46%	51%
o/w dividends (regular dividends and exit gains)	21.6	6.6	6.6	6.6	10.0	29.8
Change, yoy	NM	NM	NM	NM	NM	38.0%
As % of total holding revenues	32%	38%	30%	28%	34%	31%
Holding profit (net income)	33.4	10.4	10.8	11.2	14.8	47.1
Change, yoy	48.0%	NM	NM	-50.4%	35.6%	41.0%
Margin on holding revenues	50.2%	60%	48%	48%	50%	48.7%
Margin of group revenues	2.1%	2%	2%	2%	2%	1.9%

Source: Stifel estimates

5 November 2021 4 / 12

Financial forecasts for holding income

Following the company's strategic update, as outlined above, combined with a FY23E guidance raise, we revisit our financial model for MUX. As we point out in more detail in our initiation of coverage report, we advise investors to focus their analysis on the company's performance on the holding level, which is reported as part of the quarterly results publications. As summarised in Figure 4, we forecast total income at the holding level, which comprises income from consulting fees, income for regular dividends, paid by portfolio companies, and income from exit gains, to grow at a FY20-23E CAGR of ~37%, which we find impressive.

This should translate into a net income of ~€47m in FY21E, which we expect to grow to >€80m in FY23E. This would be ~20% below the new company guidance, which calls for €100m or 2% of consolidated group revenue. We believe the delta stems from our more cautious approach on the income from exit gains, which we find difficult to forecast, despite the fact that MUX has started to build a track record on successful exits over the past 24 months and provides regular updates on the life-cycle stage of its portfolio companies – with companies in the so-called harvesting stage likely to be sold within the next one or two years. As a reminder, MUX targets an average holding period of its investments of three years.

Figure 4 - Mutares: Holding P&L

Holding P&L					
(Year end December), IFRS	FY 2020	FY2021E	FY2022E	FY2023E	CAGR 20-23E
TOTAL HOLDING INCOME	66.5	96.7	136.2	169.8	36.7%
Change, yoy	250.0%	45.3%	40.9%	24.7%	
As % of group revenues	4.2%	3.8%	3.1%	3.5%	
o/w income from consulting fees	31.9	49.5	70.2	98.8	
Change, yoy	NM	55.0%	42.0%	40.7%	
As % of total holding revenues	48%	51%	52%	58%	
o/w dividends (regular dividends and exit gains)	21.6	29.8	41.0	46.0	
Change, yoy	NM	38.0%	37.6%	12.2%	
As % of total holding revenues	32%	31%	30%	27%	
Holding profit (net income)	33.4	47.1	65.6	80.6	34.1%
Change, yoy	48.0%	41.0%	39.2%	22.9%	
Margin on holding revenues	50.2%	48.7%	48.1%	47.5%	
Margin of group revenues	2.1%	1.9%	1.5%	1.7%	
Net income from management fees	20.4	29.7	40.6	55.6	
Change, yoy	100.8%	45.6%	36.6%	37.0%	
Margin as % of holding revenues	30.7%	30.7%	29.8%	32.7%	
Margin as % of group revenues	1.3%	1.2%	0.9%	1.2%	
o/w net income from <u>consulting fees</u>	11.2	17.3	24.6	34.6	
Change, yoy	NM	55.0%	42.0%	40.7%	
Margin on consulting revenues	35.0%	35.0%	35.0%	35.0%	
o/w dividends from portfolio companies	9.2	12.4	16.0	21.0	
Change, yoy	NM	34.3%	29.0%	31.3%	
Margin as % of holding revenues	13.9%	12.8%	11.7%	12.4%	
Margin as % of group revenues	0.6%	0.5%	0.4%	0.4%	
Net income from performance fees (exit gains)	13.0	17.4	25.0	25.0	
Change, yoy	155.9%	33.8%	43.7%	0.0%	
Margin as % of holding revenues	19.5%	18.0%	18.4%	14.7%	
Margin as % of group revenues	0.8%	0.7%	0.6%	0.5%	

Source: Stifel estimates

5 November 2021 5 / 12



Dividend capacity analysis

We provide an update on our analysis of the underlying scope for dividend payouts to MUX shareholders, which we deem important as MUX is increasingly seen as income stock for many investors. As we show in Figure 5, we conclude that the MUX has the capacity to pay a dividend per share of up to €2.87 in FY21E, €3.27 in FY22E and even €4.02 in FY23E. This is all based on the assumption that the company's holding net income is 100% cash relevant and that management is committed to a full payout policy.

In our view, investor focus should be on the base dividend, which MUX intends to pay out from management fees, i.e., cash flow generated from consulting services and regular dividends from portfolio companies. Exit gains tend to be volatile and difficult to predict, despite management's improving track record of exit frequency. The implied base DPS sequence for FY21E, FY22E and FY23E, again all under the assumption of a 100% cash conversion and full payout, should be $\{0.81, 0.92,$

Our new DPS forecasts for MUX stand at €1.75, €2.40, €2.60 for FY21E, FY22E and FY23E, respectively.

Figure 5 - Scope for dividend payouts to shareholders

DIVIDEND ANALYSIS					
(Year end December), IFRS	FY 2020E	FY2021E	FY2022E	FY2023E	CAGR 20-23E
Holding net income	33.4	47.1	65.6	80.6	
Total number of shares	15.2	16.4	20.0	20.0	
Total dividend potential per share (€)	2.19	2.87	3.27	4.02	22.4%
Change, yoy	75.8%	31.0%	14.0%	22.9%	
Dividend yield (based on current share price)*	9.2%	12.1%	13.8%	16.9%	
Net income from management fees	20.4	29.7	40.6	55.6	
Total number of shares	15.2	16.4	20.0	20.0	
Dividend potential per share from management fees (€)	1.34	1.81	2.02	2.77	27.5%
Change, yoy	100.8%	35.2%	11.8%	37.0%	
Dividend yield (based on current share price)*	5.6%	7.6%	8.5%	11.7%	
Net income from performance fees	13.0	17.4	25.0	25.0	
Total number of shares	15.2	16.4	20.0	20.0	
Dividend potential per share from performance fees (€)	0.85	1.06	1.25	1.25	13.5%
Change, yoy	155.9%	24.3%	17.7%	0.0%	
Dividend yield (based on current share price)*	3.6%	4.5%	5.2%	5.2%	

Source: Stifel estimates, *closing price as of 3 Nov

5 November 2021 6 / 12



Valuation update: price target raise to €30 (€22)

We update our valuation framework for Mutares. While we continue to value the stock on a mix of dividend discount model (DDM) and peer group-derived multiple analysis, we apply the target multiple not only to the company's total net income on the holding level but also to the net income derived from management fees. The rationale is that management fees should be largely of recurring nature, especially in comparison to exit gains, which tend to be volatile, depending on the overall market condition. Hence, the value of management fees should be seen as a base valuation for MUX's equity, in our view. Applying an equal weight to the results of both, the more granular peer group analysis and the DDM, we derive our new price target of €30, up from €22 previously.

Figure 6 - Price target calculation for MUX

Mutares SE & Co. KGaA: Price Target calculation					
(EUR m)		Comment			
Peer group analysis (PE firms)	32	Based on FY22E P/E target multiple of 14x			
Weight	50%				
Dividend discount model	29	Based on a DPS of €2.0 and g=1.5%			
Weight	50%				
Price Target (EUR)	30				

Source: Stifel estimates

We show our multiple-based valuation approach in Figure 7. With regard to the DDM, we use a DPS of €2.0 and growth rate of 1.5%.

Figure 7 - Mutares - peer group multiple valuation

Mutares SE & Co. KGaA: Peer group multiple valuation		
(€m)	FY22E	Comment
Holding revenues	136.2	Total income on the holding level
Holding net income	65.6	Moderate assumptions on exit gains
Net income management fees	40.6	Consultancy fees and regular dividends from portfolio companies
Target multiple - P/E	14.0	Broad number of European Private Equity firms
Equity value, based on P/E, applied to total net income	918.0	
Equity value, based on P/E applied to management fees	568.0	Applied to net income from management fees
Discount to core peer group median	15%	MUX has build a strong track record over the last years; on the negative side, MUX does not run third party money but invests its own balance sheet; focus on special situations bears more risks but also offers higher growth opportunities; income streams on the holding level lack certain transparency
Shares outstanding (m)	20.0	Post capital increase
Equity value per share (€), total net income	39	
Equity value per share, management fees	24	Based on net income from management fees
Weighted equity value (50/50)	32	

Source: Stifel estimates, Bloomberg

5 November 2021 7 / 12



Company Snapshot

Investment case summary

The Mutares equity story is based on the company's transformation from an investment holding to a private equity firm in the niche area of special situations. As a result, earnings streams should become much more transparent and, as such, easier to value for analysts and investors alike. Moreover, management decided to leverage MUX's strong market position by targeting larger acquisitions. Consequently, we expect a continued rerating of the shares over the next 12 months. Recurring revenue from consulting services to and dividends from its portfolio companies should cover management's ambitions for attractive dividend payouts to shareholders. Mutares also plans to reduce significantly the holding period of portfolio companies. Hence, a higher exit frequency over the next few years should not only strengthen investor trust in the quality of the portfolio companies, but also result in potential performance dividends.

Target price methodology

Mutares has decided to provide more transparency on the revenue and profit streams at the holding level, which form the basis for our valuation framework. We also take into account that management is highly committed to dividend payments. Our financial forecasts therefore flow into a private equity peer group analysis (FY22E P/E target multiple of 14x, applying a 15% discount to the median P/E peer group multiple to reflect differences in the business model) as well as a dividend discount model (DDM). The average of the two implied equity values, results in our price target of €30.00.

Risk to our valuation and rating

While a larger portfolio is the prerequisite for growth, it will naturally be more complex to manage. This requires more investment professionals, consultants and, as a consequence, higher fixed costs. We could argue that Mutares's holdings are in a restructuring mode for a reason and a longer-than-expected optimisation phase would postpone dividend income. In some cases, the turnaround does not materialise and potentially results in insolvency procedures. This would naturally lead to either a low or even negative selling price, or trigger a costly liquidation process. That said, we note that Mutares has a strong track record since inception and, in addition, has baked in such, probability-weighted, scenarios in its financial guidance.

Key dates

Q2 2021 results: 9 Nov

Company description

Mutares is a leading private equity company with a focus on special situations, headquartered in Munich, Germany. It was founded in 2008 and went public in the same year. It is listed in the PRIME standard segment of the Frankfurt stock exchange.

Key products, clients and end markets

Mutares's investments are focused on medium-sized companies located throughout continental Europe. Management claims to have a particular expertise in investing in and managing special situations or turnaround cases, facilitated by its ~100 consultants FTEs. With offices in Munich, Frankfurt am Main, Vienna, Paris, Madrid, Milan, Stockholm, Helsinki, as well as London, and investment activities in Europe, North Africa, North and South America and Asia, Mutares has a global footprint. The current portfolio comprises more than 20 equity investments. The firm focuses on companies that operate in the sectors of automotive, engineering or goods & services.

Key shareholders

- Robin Laik (founder and CEO): 29%
- Mutares management: 11%
- Treasury shares: 3%

Senior management

- Robin Laik: CEO
- Johannes Laumann: CIO
- Mark Friedrich: CFO
- Dr. Kristian Schleede is CRO

5 November 2021 8 / 12



Important Disclosures and Certifications

I, Benjamin Kohnke, certify that the views expressed in this research report accurately reflect my personal views about the subject securities or issuers; and I, Benjamin Kohnke, certify that no part of my compensation was, is, or will be directly or indirectly related to the specific recommendations or views contained in this research report.

Our European Policy for Managing Research Conflicts of Interest is available at www.stifel.com/institutional/ ImportandDisclosures.

Completed: 5 November 2021 02:01EDT Disseminated: 5 November 2021 02:01EDT

Mutares SE & Co KGaA (MUX GY) as of November 04, 2021 (in EUR)



*Represents the value(s) that changed

Buy=B; Hold=H; Sell=S; Discontinued=D; Suspended=SU; Discontinued=D; Initiation=I

For a price chart with our ratings and any applicable target price changes for MUX GY go to http://stifel2.bluematrix.com/sellside/Disclosures.action?ticker=MUX GY

Stifel is party to an agreement with Mutares SE & Co KGaA relating to the production of the research (this includes agreements concerning the production of company sponsored research).

Mutares SE & Co KGaA is a client of Stifel or an affiliate was a client of Stifel or an affiliate within the past 12 months.

Stifel or an affiliate expects to receive or intends to seek compensation for investment banking services from Mutares SE & Co KGaA in the next 3 months.

Stifel or an affiliate is a market maker or liquidity provider in the securities of Mutares SE & Co KGaA.

Mutares SE & Co KGaA is provided with non-investment banking, securities related services by Stifel or an affiliate or was provided with non-investment banking, securities related services by Stifel or an affiliate within the past 12 months.

The research analyst(s) responsible for the preparation of this report viewed the material operations of Mutares SE & Co KGaA.

Stifel or an affiliate has received compensation for non-investment banking, securities related services from Mutares SE & Co KGaA in the past 12 months.

The equity research analyst(s) responsible for the preparation of this report receive(s) compensation based on various factors, including Stifel's overall revenue, which includes investment banking revenue.

Investment Rating System

Our investment rating system is defined as follows:

Buy - We expect a total return of greater than 10% over the next 12 months with total return equal to the percentage price change plus dividend yield.

Speculative Buy - We expect a total return of greater than 30% over the next 12 months, with total return equal to the percentage price change plus dividend yield, accompanied by substantially higher than normal risk including the possibility of a binary outcome.

Hold - We expect a total return between -5% and 10% over the next 12 months with total return equal to the percentage price change plus dividend yield.

5 November 2021 9 / 12



Sell - We expect a total return below -5% over the next 12 months with total return equal to the percentage price change plus dividend yield.

Occasionally, we use the ancillary rating of **Suspended (SU)** to indicate a long-term suspension in rating and/or target price, and/or coverage due to applicable regulations or Stifel policies. Alternatively, **Suspended** may indicate the analyst is unable to determine a "reasonable basis" for rating/target price or estimates due to lack of publicly available information or the inability to quantify the publicly available information provided by the company and it is unknown when the outlook will be clarified. **Suspended** may also be used when an analyst has left the firm.

Of the securities we rate, 55% are rated Buy, 1% are rated Speculative Buy, 26% are rated Hold, 2% are rated Sell and 16% are rated Suspended.

Within the last 12 months, Stifel or an affiliate has provided investment banking services for 17%, 18%, 12% and 22% of the companies whose shares are rated Buy (includes Speculative Buy), Hold, Sell and Suspended respectively.

Within the last 12 months, Stifel or an affiliate has provided material services for 40%, 64%, 19%, 29% and 16% of the companies whose shares are rated Buy, Speculative Buy, Hold, Sell and Suspended respectively.

Additional Disclosures

Please visit the Research Page at www.stifel.com for the current research disclosures and respective target price methodology applicable to the companies mentioned in this publication that are within the Stifel coverage universe. For a discussion of risks and changes to target price including basis of valuation or methodology please see our stand-alone company reports and notes for all stocks.

The information contained herein has been prepared from sources believed to be reliable but is not guaranteed by us and is not a complete summary or statement of all available data, nor is it considered an offer to buy or sell any securities referred to herein. Opinions expressed are as of the date of this publication and are subject to change without notice. These opinions do not constitute a personal recommendation and do not take into account the particular investment objectives, financial situation or needs of individual investors. Employees of Stifel, or its affiliates may, at times, release written or oral commentary, technical analysis or trading strategies that differ from the opinions expressed within. Stifel or any of its affiliates may have positions in the securities mentioned and may make purchases or sales of such securities from time to time in the open market or otherwise and may sell to or buy from customers such securities on a principal basis; such transactions may be contrary to recommendations in this report. Past performance should not and cannot be viewed as an indicator of future performance. Unless otherwise noted, the financial instruments mentioned in this report are priced as of market close on the previous trading day and presumed performance is calculated always over the next 12 months.

As a multi-disciplined financial services firm, Stifel regularly seeks investment banking assignments and compensation from issuers for services including, but not limited to, acting as an underwriter in an offering or financial advisor in a merger or acquisition, or serving as a placement agent in private transactions.

Affiliate Disclosures

References to "Stifel" (collectively "Stifel") refer to SFC and other associated affiliated subsidiaries including (i) Stifel, Nicolaus & Company, Incorporated ("SNC"); (ii) Keefe, Bruyette & Woods, Incorporated ("KBWI"), which are both U.S. broker-dealers registered with the United States Securities and Exchange Commission ("SEC") and members of the Financial Industry National Regulatory Authority ("FINRA"), respectively; (iii) Stifel Nicolaus Canada, Incorporated. ("Stifel Canada"), which is authorised and regulated by Investment Industry Regulatory Organization of Canada ("IIROC"), and also trades under the names "Stifel GMP" and/or "Stifel FirstEnergy"; (iv) Stifel Nicolaus Europe Limited ("SNEL"), which is authorised and regulated by the Financial Conduct Authority ("FCA") (FRN 190412) and is a member of the London Stock Exchange and also trades under the name Keefe, Bruyette & Woods Europe ("KBW Europe"); and (v) Stifel Europe Bank AG ("SEBA"), which is regulated by the German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht; "BaFin") and is a member of Deutsche Boerse and SIX Swiss Exchange and (vi) Stifel Schweiz AG ("STSA"), which is representative of SEBA in Switzerland and regulated by the Eidgenössische Finanzmarktaufsicht ("FINMA"). SNEL, SEBA and STSA are collectively referred to as Stifel Europe.

Registration of non-US Analysts: Any non-US research analyst employed by Stifel contributing to this report is not registered/qualified as a research analyst with FINRA and is not an associated person of the US broker-dealer and

5 November 2021 10 / 12

¹ This rating is only utilised by Stifel Canada.



therefore may not be subject to FINRA Rule 2241 restrictions on communications with a subject company, public appearances, and trading securities held by a research analyst account.

Global Research Notes: Stifel Global Research (Cross-Border Research) notes are intended for use only by Institutional or Professional Clients. Research analysts contributing content to these reports are subject to different regulatory requirements based on the jurisdiction in which they operate. Clients seeking additional information should contact the Stifel entity through which they conduct business.

SEBA & STSA Sponsored research: At SEBA & STSA, analysts may produce issuer paid research ('sponsored research'). This research is produced by analysts in accordance with local regulatory requirements relating to such research. In certain jurisdictions, this issuer paid research may be deemed to be independent research albeit not produced to the same conflicts of interest standards required by all jurisdictions for independent research. Where research has been paid for by an issuer, this will be clearly labelled. Please see our European Policy for Managing Research Conflicts of Interest for additional information.

Country Specific and Jurisdictional Disclosures

United States: Research produced and distributed by Stifel Europe is distributed by Stifel Europe to "Major US Institutional Investors" as defined in Rule 15a-6 under the US Securities Exchange Act of 1934, as amended. SNC may also distribute research prepared by Stifel Europe directly to US clients, including US clients that are not Major US Institutional Investors. In these instances, SNC accepts responsibility for the content. Stifel Europe is a non-US broker-dealer and accordingly, any transaction by a US client in the securities discussed in the document must be effected by SNC. US clients wishing to place an order should contact their SNC representative.

UK: This report is distributed in the UK by SNEL, which is authorised and regulated by the Financial Conduct Authority (FCA). In these instances, SNEL accepts responsibility for the content. Research produced by Stifel Europe is not intended for use by and should not be made available to retail clients as defined by the FCA.

European Economic Area (EEA): This report is distributed in the EEA by SEBA, which is authorized and regulated by the German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht; "BaFin"), In these instances, SEBA accepts responsibility for the content. Research produced by Stifel Europe is not intended for use by and should not be made available to retail clients as defined under MiFID II.

The complete preceding 12-month recommendations history related to recommendation(s) in this research report is available at https://stifel2.bluematrix.com/sellside/MAR.action

Australia: Research produced by Stifel is distributed by SNEL under the Australian Securities and Investments Commission ("ASIC") Class Order [CO 03/1099] exemption from the requirement to hold an Australian Financial Services Licence ("AFSL"). This research may only be distributed to a "Wholesale Client" within the meaning of section 761G of the Corporations Act 2001 (Cth).

Brunei: This document has not been delivered to, registered with or approved by the Brunei Darussalam Registrar of Companies, Registrar of International Business Companies, the Brunei Darussalam Ministry of Finance or the Autoriti Monetari Brunei Darussalam. This document and the information contained within will not be registered with any relevant Brunei Authorities under the relevant securities laws of Brunei Darussalam. The interests in the document have not been and will not be offered, transferred, delivered or sold in or from any part of Brunei Darussalam. This document and the information contained within is strictly private and confidential and is being distributed to a limited number of accredited investors, expert investors and institutional investors under the Securities Markets Order, 2013 ("Relevant Persons") upon their request and confirmation that they fully understand that neither the document nor the information contained within have been approved or licensed by or registered with the Brunei Darussalam Registrar of Companies, Registrar of International Business Companies, the Brunei Darussalam Ministry of Finance, the Autoriti Monetari Brunei Darussalam or any other relevant governmental agencies within Brunei Darussalam. This document and the information contained within must not be acted on or relied on by persons who are not Relevant Persons. Any investment or investment activity to which the document or information contained within is only available to, and will be engaged in only with Relevant Persons.

Canadian Distribution: Research produced by Stifel Europe is distributed in Canada by SNC in reliance on the international dealer exemption. This material is intended for use only by professional or institutional investors. None of the investments or investment services mentioned or described herein is available to other persons or to anyone in Canada who is not a "permitted client" as defined under applicable Canadian securities laws.

Republic of South Africa: Research produced by Stifel is distributed by SNEL to "Clients" as defined in FSCA FAIS Notice 20 of 2018 (the "FAIS Notice") issued by the Financial Services Conduct Authority. Research distributed by SNEL

5 November 2021 11 / 12



is pursuant to an exemption from the licensing requirements under Section 7(1) of the Financial Advisory and Intermediary Services Act, 2002.

In jurisdictions where Stifel is not already licensed or registered to trade securities, transactions will only be affected in accordance with local securities legislation which will vary from jurisdiction to jurisdiction and may require that a transaction is carried out in accordance with applicable exemptions from registration and licensing requirements. Non-US customers wishing to effect transactions should contact a representative of the Stifel entity in their regional jurisdiction except where governing law permits otherwise. US customers wishing to effect transactions should contact their US salesperson.

The securities discussed in this report may not be available for sale in all jurisdictions and may have adverse tax implications for investors. Clients are advised to speak with their legal or tax advisor prior to making an investment decision.

Additional Information Is Available Upon Request

© 2021 Stifel. This report is produced for the use of Stifel customers and may not be reproduced, re-distributed or passed to any other person or published in whole or in part for any purpose without the prior consent of Stifel.

5 November 2021 12 / 12