

Last Close 7.18 (EUR)	Avg Daily Vol 29,357	52-Week High 8.11	Trailing PE 8.5	Annual Div 0.20	ROE 16.8%	LTG Forecast --	1-Mo Return -5.8%
2019 July 26 XETRA Exchange	Market Cap (Consol) 456M	52-Week Low 5.00	Forward PE 11.0	Dividend Yield 2.8%	Annual Rev 746M	Inst Own 10.0%	3-Mo Return -5.5%

AVERAGE SCORE

AVERAGE
SCORE

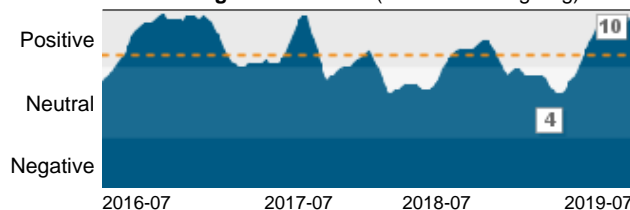
9

POSITIVE OUTLOOK: VBK's current score of 9 places it within the top 15% of stocks scored.

Score Averages

Renewable Energy Group:	5.1	Small Market Cap:	5.3
Renewable Energy Sector:	5.1	DAX 30 Index:	6.8

Average Score Trend (4-Week Moving Avg)



Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
CE2	9	9	8	8	9	
VBK	5	9	10	10	9	
AB9	10	10	7	7	6	
PNE3	5	4	4	4	5	
F3C	4	6	3	2	3	

HIGHLIGHTS

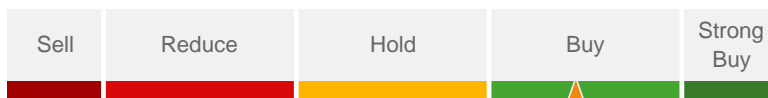
- The score for Verbio Vereinigte Bioenergie dropped slightly this week from 10 to 9.
- The recent change in the Average Score was primarily due to a decline in the Price Momentum and Earnings component scores.

THOMSON REUTERS I/B/E/S MEAN

Buy

3 Analysts

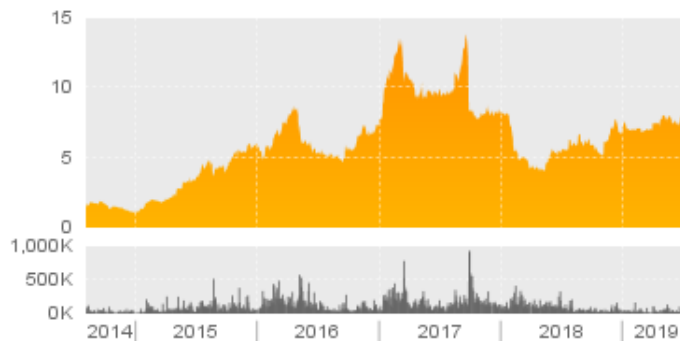
Mean recommendation from all analysts covering the company on a standardized 5-point scale.



PRICE AND VOLUME CHARTS

1-Year Return: 15.2%

5-Year Return: 293.2%



BUSINESS SUMMARY

Verbio Vereinigte Bioenergie AG (VERBIO AG) is a Germany-based company that produces and distributes bio fuels. It operates through two segments: Biodiesel and Bioethanol. The Biodiesel segment produces biodiesel, and the Bioethanol segment produces bioethanol and biomethane. The Company also provides biogas, glycerin and fertilizers. In addition to that, the Company conducts research and development in the area of bio fuels and provides engineering services for plant construction. The Company operates through VERBIO Diesel Bitterfeld, VERBIO Diesel Schwedt, VERBIO Ethanol Zoerbig, VERBIO Ethanol Schwedt, VERBIO Agrar GmbH, VERBIO Logistik GmbH and VERBIO Polska Sp zoo, distributes products to oil corporations, gas stations, haulage companies and public authorities, among others.

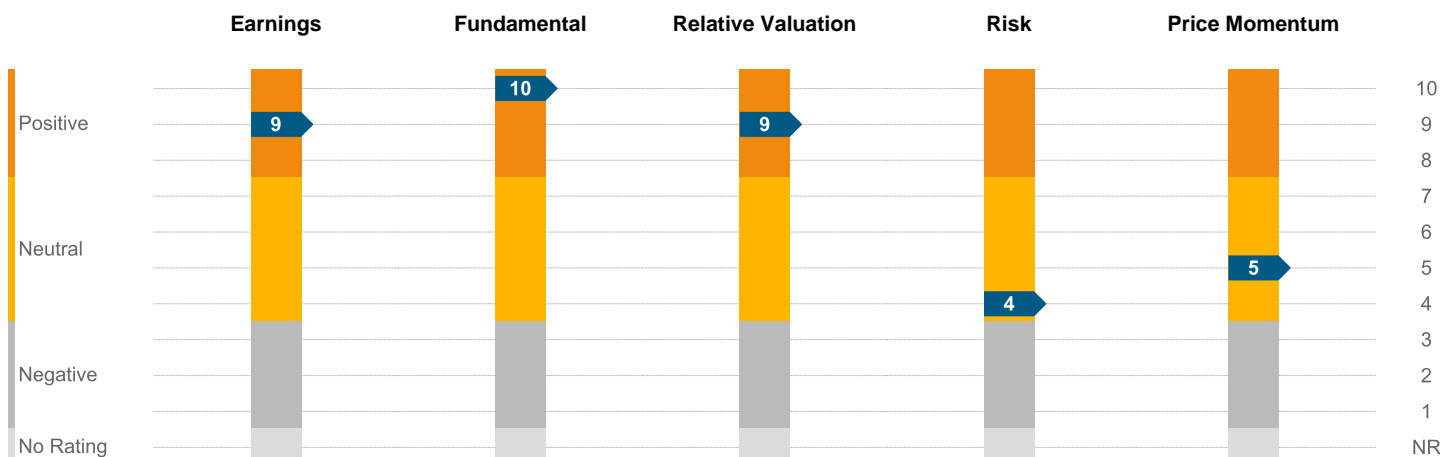


INDICATOR COMPONENTS

AVERAGE SCORE

9

The **AVERAGE SCORE** combines the quantitative analysis of five widely-used investment decision making tools: Earnings, Fundamental, Relative Valuation, Risk, and Price Momentum. A simple average of the underlying component ratings is normally distributed to rank stocks on a 1-10 scale (10 being awarded to the most favorable). These factors may be evaluated differently using alternative methodologies and the importance of individual factors varies across industries, market capitalization and investment styles. Additional criteria should always be used to evaluate a stock.



PEER ANALYSIS

Currency in EUR

Average Score	Ticker	PRICE MOMENTUM				VALUATION		FUNDAMENTAL		ANALYSTS		# of Analysts
		Price (2019-07-26)	1-Mo Return	3-Mo Return	1-Yr Return	Market Cap	Trailing PE	Forward PE	Dividend Yield	Net Margin	LTG Forecast	
9	CE2	6.14	3.5%	5.9%	28.2%	536M	18.2	12.7	2.4%	3.7%	-- Buy	4
9	VBK	7.18	-5.8%	-5.5%	15.2%	452M	8.5	11.0	2.8%	7.1%	-- Buy	3
5	PNE3	2.71	8.6%	6.9%	8.8%	207M	61.6	27.1	1.5%	3.3%	-- Buy	3
3	F3C	11.40	-15.4%	12.8%	43.3%	148M	--	50.2	--	-1.1%	-- Hold	2
6	AB9	14.60	-3.3%	1.4%	1.4%	112M	8.8	--	2.9%	8.5%	-- --	--
3	CTNK	2.04	1.0%	5.7%	-1.0%	43M	22.0	--	--	1.1%	-- --	--
3	SEN	0.48	-36.1%	-56.3%	-93.8%	35M	--	--	--	-4.5%	-- Buy	2
3	ZEF	0.25	-2.4%	0.0%	-67.8%	3M	--	--	--	858.1%	-- --	--
NR	SWVK	0.04	-37.7%	-50.6%	-75.0%	1M	--	--	--	--	-- --	--
NR	QCE	0.01	0.0%	0.0%	-14.3%	1M	--	--	--	--	-- --	--
NR	H2FA	0.01	15.0%	27.8%	-61.7%	--	--	--	--	--	-- --	--
5.1	Average	4.08	-6.6%	-4.7%	-19.7%	140M	23.8	25.3	2.4%	109.5%	-- Buy	2.8

PEER COMPANIES

CE2	CropEnergies	SEN	Senvion
PNE3	PNE	ZEF	Zhongde Waste Technology
F3C	SFC Energy	SWVK	SolarWorld
AB9	ABO Wind	QCE	Global PVQ
CTNK	Centrotherm International	H2FA	Heliocentris Energy Solutions



EARNINGS

EARNINGS

9

Currency in EUR

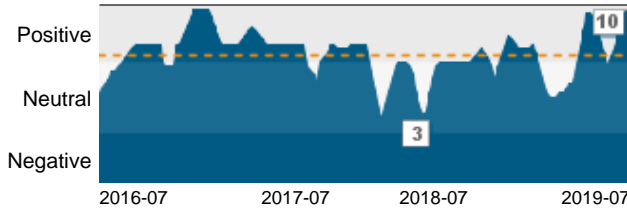
POSITIVE OUTLOOK: Strong earnings with recent analyst upgrades or a history of surpassing consensus estimates.

Earnings Score Averages

Renewable Energy Group: **7.8**
Renewable Energy Sector: **7.8**

Small Market Cap: **5.3**
DAX 30 Index: **4.6**

Earnings Score Trend (4-Week Moving Avg)



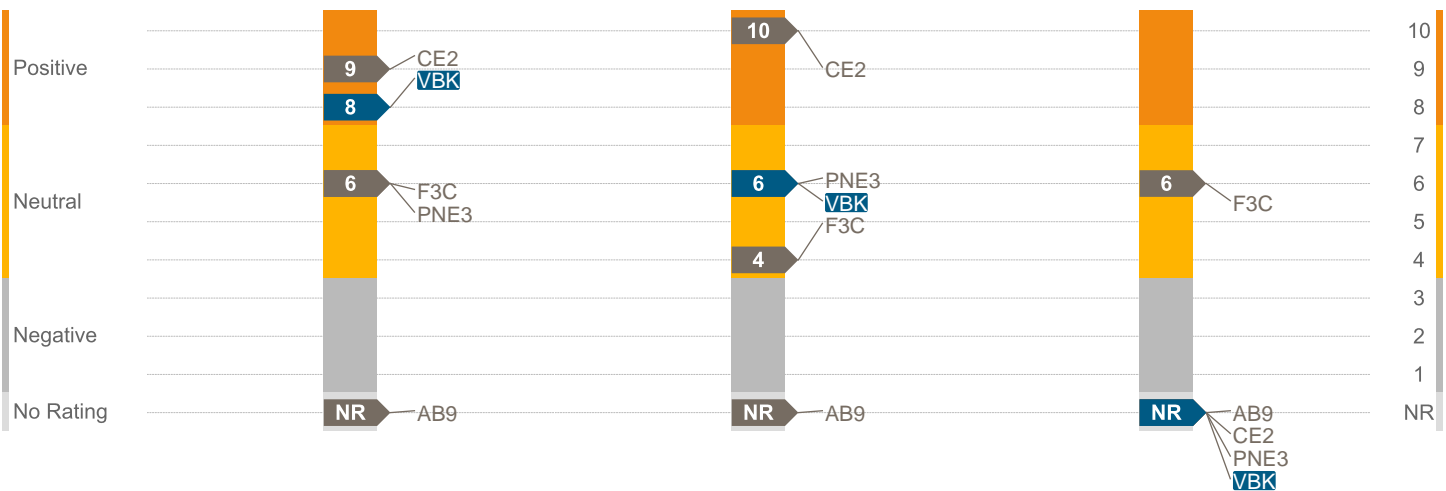
Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
CE2	10	9	10	10	10	
VBK	5	10	10	10	9	
F3C	2	7	3	2	6	
PNE3	5	8	6	6	6	
AB9	NR	NR	NR	NR	NR	

EARNINGS INDICATORS

Earnings Surprises
(33.3% weight)

Estimate Revisions
(33.3% weight)

Recommendation Changes
(33.3% weight)



Last 4 Years

# Positive Surprises (> 2%)	2
# Negative Surprises (< -2%)	1
# In-Line Surprises (within 2%)	1
Avg Surprise	12.7%

Last 4 Weeks

# Up Revisions	0
# Down Revisions	0
Avg Up Revisions	0.0%
Avg Down Revisions	0.0%

Last 120 Days

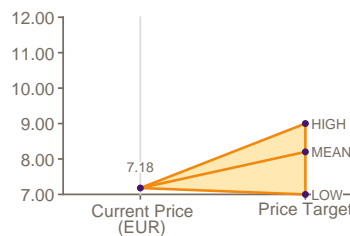
# Broker Upgrades	0
# Broker Downgrades	0

HIGHLIGHTS

- Verbio Vereinigte Bioenergie currently has an Earnings Rating of 9. The average Earnings Rating for its Renewable Fuels industry is 9.5 and the XETRA DAX 30 index average is 5.3.
- There have been no upward or downward broker recommendation changes for Verbio Vereinigte Bioenergie over the past 120 days.

PRICE TARGET

The chart indicates where analysts predict the stock price will be within the next 12 months, as compared to the current price.



12-Month Price Target

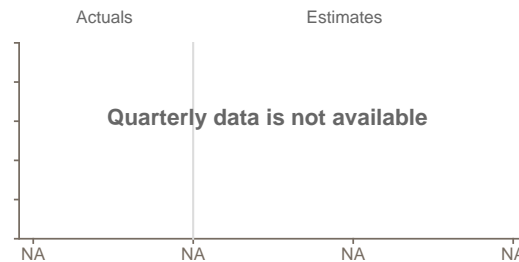
Mean (EUR)	8.20
High	9.00
Low	7.00
Target vs. Current	14.2%
# of Analysts	3



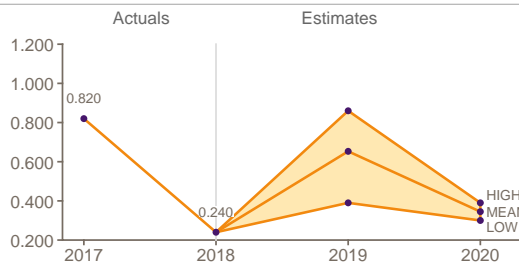
EARNINGS PER SHARE

Earnings per share (EPS) is calculated by dividing a company's earnings by the number of shares outstanding. Analysts tend to interpret a pattern of increasing earnings as a sign of strength and flat or falling earnings as a sign of weakness.

The charts provide a comparison between a company's actual and estimated EPS, including the high and low forecasts.



Quarterly	NA	NA
Mean	--	--
High	--	--
Low	--	--
# of Analysts	--	--



Annual	2019	2020
Mean	0.653	0.345
High	0.860	0.390
Low	0.390	0.300
# of Analysts	3	2

MEAN ESTIMATE TREND

	Q	Q	Y	Y	Price
	--	--	2019	2020	Target
Current	--	--	0.653	0.345	8.20
30 Days Ago	--	--	0.653	0.345	8.20
90 Days Ago	--	--	0.613	0.400	8.13
% Change (90 Days)	--	--	6.5%	-13.8%	0.9%

Current Fiscal Year End: 19-06
Next Expected Report Date: 2019-09-27

ANALYST RECOMMENDATIONS

Thomson Reuters I/B/E/S Mean: **Buy** (3 Analysts)

Strong Buy	1
Buy	1
Hold	1
Reduce	0
Sell	0

EARNINGS SURPRISES

Comparing a company's actual earnings to the mean expectation of analysts results in a difference referred to as a 'positive' or 'negative' surprise. Research has shown that when a company reports a surprise, it is often followed by more of the same surprise type.

Surprise Summary (Last 6 Years)

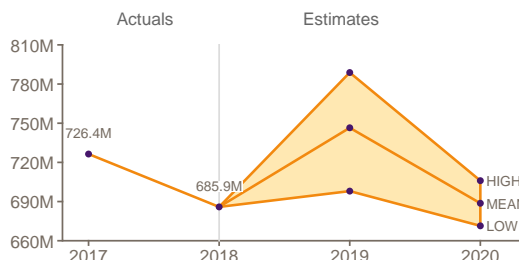
Surprise Type	Amount	Percent
Positive Years (> 2%)	2	33.3%
Negative Years (< -2%)	3	50.0%
In-Line Years (within 2%)	1	16.7%

Surprise Detail (Last 6 Periods)

Surprise Type	Announce Date	Period End Date	Actual EPS	Mean EPS	Surprise (%)
In-Line	2018-09-26	2018-06-30	0.240	0.243	-1.2%
Negative	2017-09-27	2017-06-30	0.820	0.860	-4.7%
Positive	2016-09-21	2016-06-30	0.770	0.610	26.2%
Positive	2015-09-23	2015-06-30	0.430	0.330	30.3%
Negative	2014-10-06	2014-06-30	0.090	0.125	-28.0%

ANNUAL REVENUE

A pattern of increasing sales in conjunction with a rising EPS may influence a buy recommendation, while flat or falling sales and faltering earnings may explain a sell recommendation. A rising EPS with flat or falling sales may result from increased cost efficiency and margins, rather than market expansion. This chart shows the sales forecast trend of all analysts and the highest and lowest projections for the current and next fiscal year.



	2019	2020
Mean	746.5M	688.7M
High	788.8M	706.0M
Low	698.0M	671.4M
Forecasted Growth	8.8%	0.4%
# of Analysts	3	2



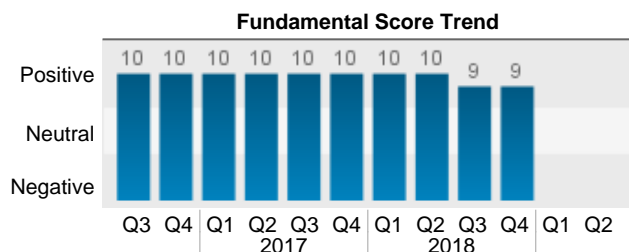
FUNDAMENTAL



POSITIVE OUTLOOK: Strong fundamentals such as high profit margins, low debt levels, or growing dividends.

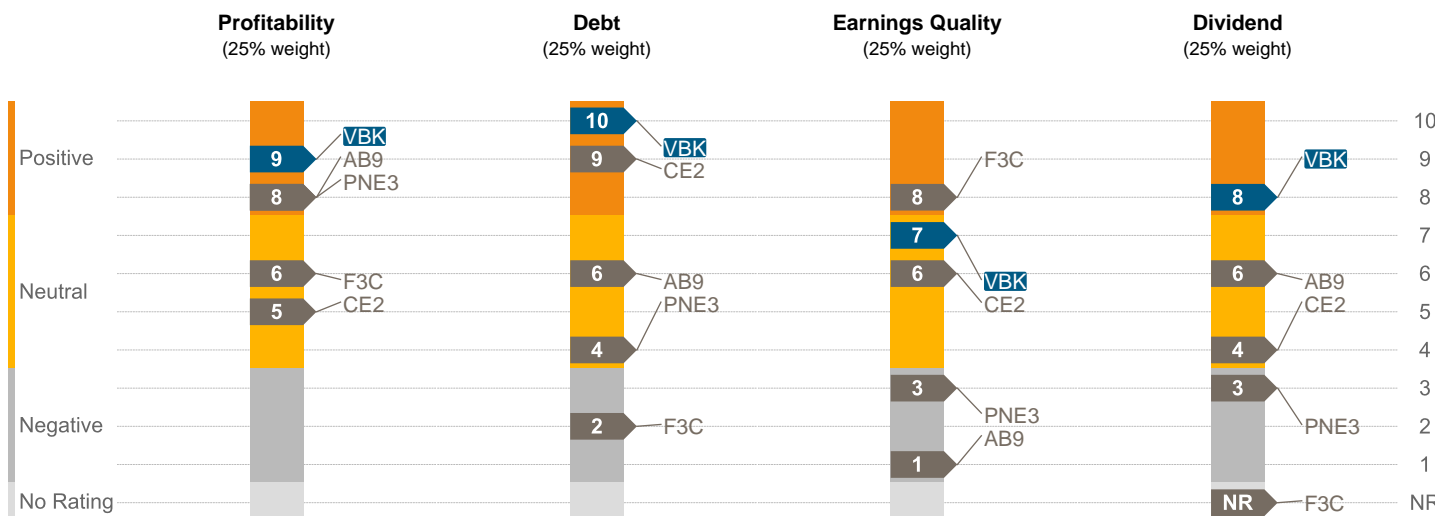
Fundamental Score Averages

Renewable Energy Group: 5.9 Small Market Cap: 5.5
Renewable Energy Sector: 5.9 DAX 30 Index: 5.0



Peers	Q3 2018	Q4 2018	Q1 2019	Q2 2019	Current	3Y Trend
VBK	9	9	NR	NR	10	
CE2	10	10	NR	NR	7	
AB9	NR	NR	NR	NR	5	
F3C	10	10	NR	NR	5	
PNE3	2	5	NR	NR	3	

FUNDAMENTAL INDICATORS



Revenue Growth	6.5%	Current Ratio	2.6	Oper. Cash Yield	38.0%	Dividend Growth	--
For year over year ending 2019-03		For interim period ending 2019-03		For latest 12 months ending 2019-03		For year over year ending --	
Gross Margin	12.5%	Debt-to-Capital	0.0%	Accruals	14.0%	Dividend Payout	23.8%
For latest 12 months ending 2019-03		For annual period ending 2018-06		For latest 12 months ending 2018-06		For latest 12 months ending 2019-03	
Return On Equity	16.8%	Interest Funding	0.3%	Days Sales In Inv.	23.5	Dividend Coverage	2.5
For interim period ending 2019-03		For interim period ending 2018-09		For annual period ending 2018-06		For annual period ending 2018-06	
Net Margin	7.1%	Interest Coverage	199.3	Days Sales In Rec.	22.7	Current Div. Yield	2.8%
For latest 12 months ending 2019-03		For interim period ending 2019-03		For annual period ending 2018-06		For latest 12 months ending 2019-07	

HIGHLIGHTS

- Verbio Vereinigte Bioenergie currently has a Fundamental Rating of 10, which is significantly more bullish than the Renewable Energy industry group average of 5.9.
- The company's return on equity has been higher than its industry group average for each of the past five years.
- The interest coverage (number of times interest payments are covered by EBIT) of 199.3 for VBK is the highest within its Renewable Energy industry group.
- The company's days sales in inventory has been lower than its industry group average for each of the past five years.
- Of the 29 firms within the Renewable Energy industry group, Verbio Vereinigte Bioenergie is among 9 companies that pay a dividend. The stock's dividend yield is currently 2.8%.



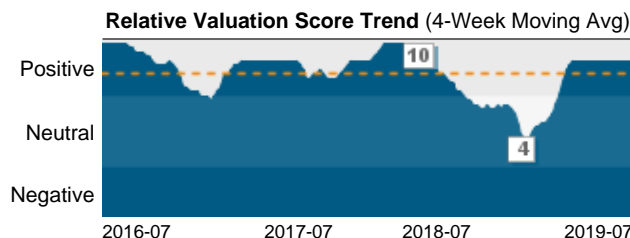
RELATIVE VALUATION



POSITIVE OUTLOOK: Multiples significantly below the market or the stock's historic norms.

Relative Valuation Score Averages

Renewable Energy Group: **5.7** Small Market Cap: **5.6**
Renewable Energy Sector: **5.7** DAX 30 Index: **6.8**



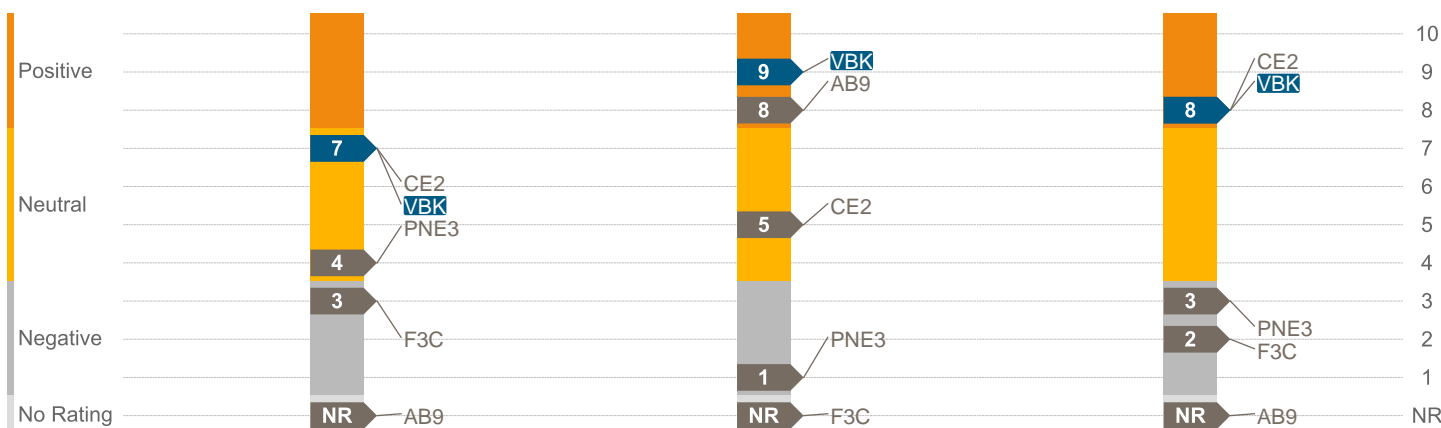
Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
VBK	6	9	9	9	9	
CE2	6	5	6	7	8	
AB9	8	7	7	7	7	
F3C	1	2	1	1	1	
PNE3	2	3	2	1	1	

RELATIVE VALUATION INDICATORS

Price to Sales
(50% weight)

Trailing PE
(25% weight)

Forward PE
(25% weight)



Price to Sales	0.6	Trailing PE	8.5	Forward PE	11.0
5-Yr Average	0.6	5-Yr Average	13.0	5-Yr Average	14.6
Rel. to 5-Yr Avg.	9% Premium	Rel. to 5-Yr Avg.	34% Discount	Rel. to 5-Yr Avg.	25% Discount
DAX 30 Index	0.9	DAX 30 Index	16.7	DAX 30 Index	14.3
Rel. to DAX 30	35% Discount	Rel. to DAX 30	49% Discount	Rel. to DAX 30	23% Discount

HIGHLIGHTS

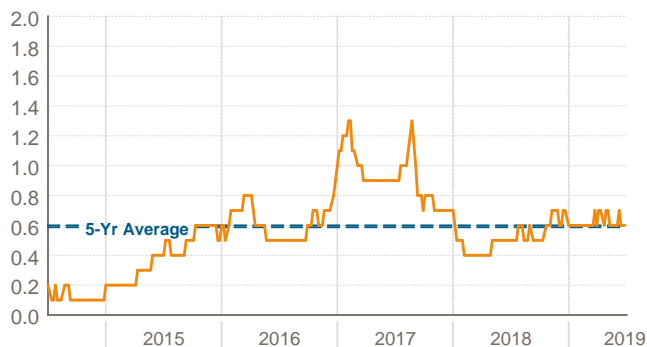
- Verbio Vereinigte Bioenergie currently has a Relative Valuation Rating of 9 which is significantly above the XETRA DAX 30 index average rating of 6.3.
- Compared to the Renewable Energy industry group, VBK is currently trading at a significant discount based on both Price to Sales ratio and Trailing P/E.
- VBK's Price to Sales ratio of 0.6 represents a 9% Premium to its 5-year average of 0.6.
- VBK's 8.5 Trailing P/E is currently at the low end of its 5-year range (lowest 6.6 to highest 31.4).
- VBK's current Forward P/E of 11.0 represents a 60% Discount to its Renewable Energy industry group average.



PRICE TO SALES

The most recent week's close price divided by the revenue per share.

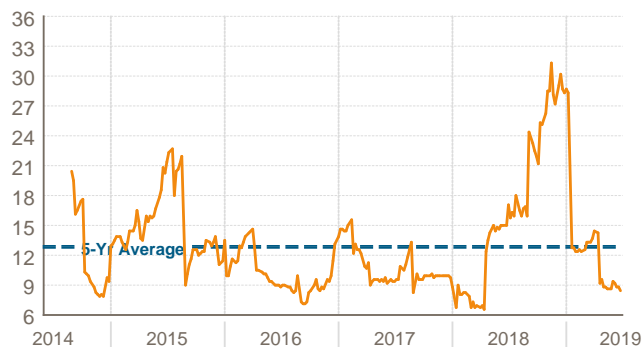
Price to Sales: 0.6
5-Year Average: 0.6
DAX 30 Index Average: 0.9
Renewable Energy Group Average: 1.4



TRAILING PE

The most recent week's close price divided by the sum of the four most recently reported quarterly earnings.

Trailing PE: 8.5
5-Year Average: 13.0
DAX 30 Index Average: 16.7
Renewable Energy Group Average: --



FORWARD PE

The most recent week's close price divided by the sum of the four upcoming quarterly consensus estimates.

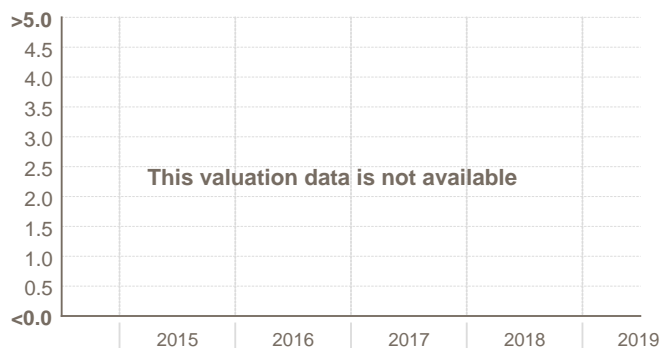
Forward PE: 11.0
5-Year Average: 14.6
DAX 30 Index Average: 14.3
Renewable Energy Group Average: 27.8



FORWARD PEG

The Forward P/E divided by the five-year forecasted growth rate.

Forward PEG: --
5-Year Average: --
DAX 30 Index Average: 1.3
Renewable Energy Group Average: 1.8



RISK



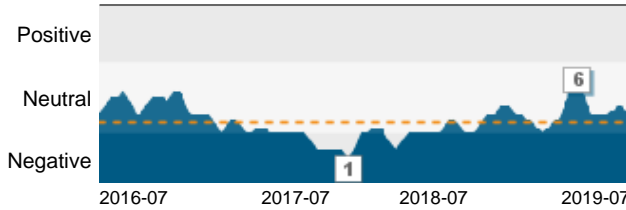
NEUTRAL OUTLOOK: Moderate risk (medium volatility).

Risk Score Averages

Renewable Energy Group: **3.1**
Renewable Energy Sector: **3.1**

Small Market Cap: **5.5**
DAX 30 Index: **7.9**

Risk Score Trend (4-Week Moving Avg)



Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
AB9	7	10	8	8	8	
PNE3	8	6	8	7	7	
CE2	5	7	5	4	4	
F3C	4	4	4	4	4	
VBK	3	4	5	4	4	

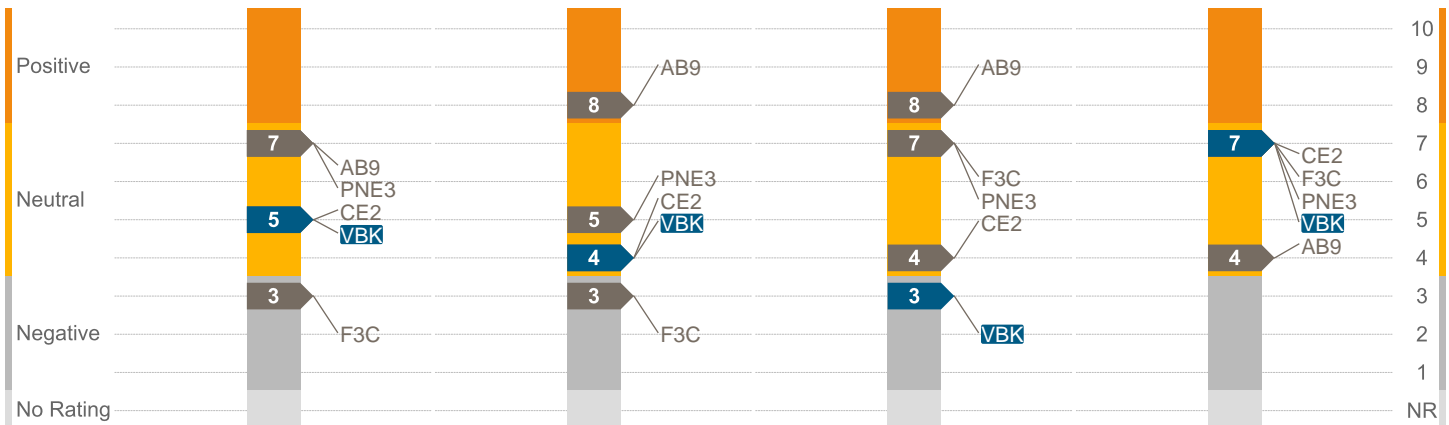
RISK INDICATORS

Magnitude of Returns (25% weight)

Volatility (25% weight)

Beta (1-year) (25% weight)

Correlation (25% weight)



Daily Returns (Last 90 Days)		Standard Deviation		Beta vs. DAX 30		Correlation vs. DAX 30	
Best	5.0%	Last 90 Days	1.82	Positive Days Only	0.77	Last 90 Days	24%
Worst	-4.0%	Last 60 Months	17.80	Negative Days Only	0.89	Last 60 Months	28%
Monthly Returns (Last 60 Months)		Intra-Day Swing (Last 90 Days)		Beta vs. Group		Correlation vs. Group	
Best	61.9%	Average	3.3%	Positive Days Only	0.07	Last 90 Days	14%
Worst	-34.7%	Largest	7.1%	Negative Days Only	0.18	Last 60 Months	48%

HIGHLIGHTS

- Verbio Vereinigte Bioenergie currently has a Risk Rating of 4, which is significantly below the XETRA DAX 30 index average rating of 8.
- On days when the market is up, VBK tends to lag the XETRA DAX 30 index. On days when the market is down, the stock generally performs in-line with the index.
- In both short-term and long-term periods, VBK has shown average correlation (> 0.2 and < 0.4) with the XETRA DAX 30 index. Thus, this stock would provide only average levels of diversification to a portfolio similar to the broader market.
- Over the last 90 days, VBK shares have been more volatile than the overall market, as the stock's daily price fluctuations have exceeded that of 71% of XETRA DAX 30 index firms.

RISK ANALYSIS

Peers	Last 90 Days				Last 60 Months		
	Best Daily Return	Worst Daily Return	# Days Up	# Days Down	Largest Intra-Day Swing	Best Monthly Return	Worst Monthly Return
VBK	5.0%	-4.0%	25	36	7.1%	61.9%	-34.7%
AB9	5.0%	-6.0%	22	24	6.4%	22.4%	-18.7%
CE2	6.1%	-6.1%	32	27	7.9%	34.3%	-22.7%
F3C	9.9%	-9.5%	28	32	12.1%	40.8%	-37.9%
PNE3	7.8%	-3.2%	25	31	9.0%	25.6%	-16.1%
DAX 30	2.0%	-1.8%	35	28	3.0%	12.3%	-9.3%



PRICE MOMENTUM



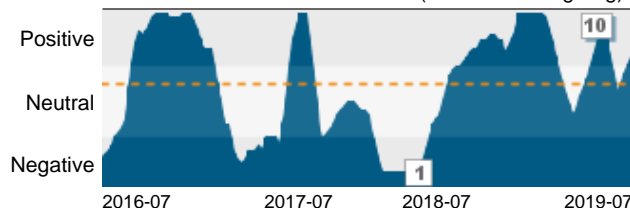
Currency in EUR

NEUTRAL OUTLOOK: Performance relatively in-line with the market.

Price Momentum Score Averages

Renewable Energy Group:	3.5	Small Market Cap:	5.3
Renewable Energy Sector:	3.5	DAX 30 Index:	5.8

Price Momentum Score Trend (4-Week Moving Avg)

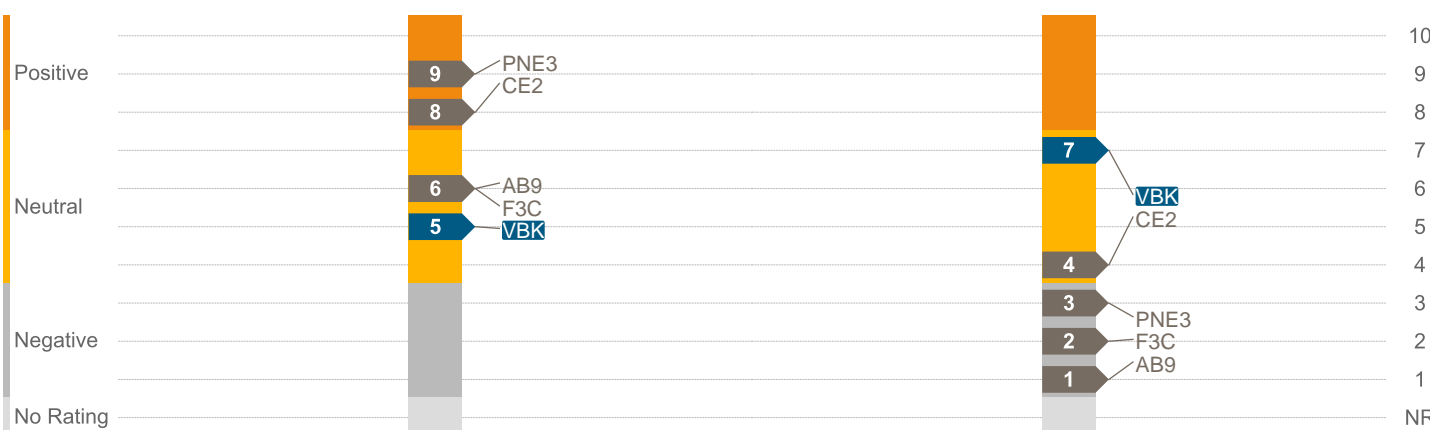


Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
CE2	8	9	8	7	7	
PNE3	6	6	5	7	7	
F3C	10	8	8	5	5	
VBK	9	7	8	7	5	
AB9	8	6	6	6	4	

PRICE MOMENTUM INDICATORS

Relative Strength
(70% weight)

Seasonality
(30% weight)



Relative Strength Indicator (Scale from 1 to 100)

	VBK	Industry Avg
Last 1 Month	41	49
Last 3 Months	49	52
Last 6 Months	50	51

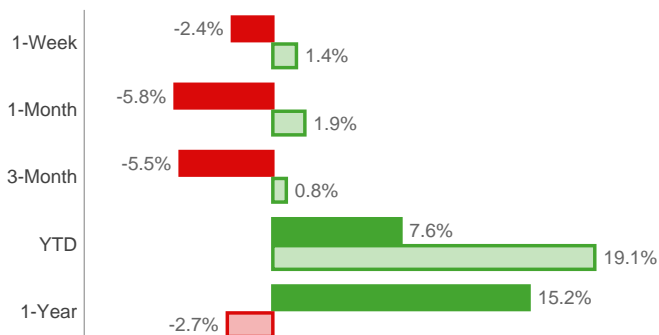
Average Monthly Return (Last 10 Years)

	JUL	AUG	SEP
Company Avg	3.2%	-0.5%	2.0%
Industry Avg	2.2%	-2.3%	2.7%
Industry Rank	55 of 111	95 of 111	14 of 111

PRICE PERFORMANCE

Daily close prices are used to calculate the performance of the stock as compared to a relevant index over five time periods.

■ VBK
■ PRIME All



	VBK	PRIME All
Close Price (2019-07-26)	7.18	5,121
52-Week High	8.11	5,255
52-Week Low	5.00	4,228

- On 2019-07-26, VBK closed at 7.18, 11.5% below its 52-week high and 43.6% above its 52-week low.
- VBK shares are currently trading 4.9% below their 50-day moving average of 7.55, and 1.5% above their 200-day moving average of 7.07.
- The XETRA PRIME ALL SHARE index is currently 2.5% below its 52-week high and 21.1% above its 52-week low.



DETAILED STOCK REPORT TIPS

The Thomson Reuters Stock Report is a comprehensive, company-specific analysis that includes a proprietary Stock Rating along with underlying component indicators and supportive data elements. The report is updated daily, although some of the data elements and the ratings are updated weekly.

Average Score

The Average Score combines a quantitative analysis of five widely-used investment decision making tools - Earnings, Fundamental, Relative Valuation, Risk, and Price Momentum. First, a simple average of the five underlying component ratings is calculated. Then, a normal distribution is used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A score of 8 to 10 is considered positive, 4 to 7 is neutral, and 1 to 3 is negative. These five factors may be evaluated differently using alternative methodologies, and the importance of individual factors varies across industry groups, market capitalization and investment styles. Additional criteria should always be used to evaluate a stock.

A company must have sufficient data available for at least three of the five component indicators in order to receive an overall Average Score. Approximately 85% of the stocks within the coverage universe meet the criteria to generate a score.

Indicator Components

The five indicators that comprise the stock rating are displayed. Like the stock rating, the component rating scale is 1 to 10, with 10 being best. A company will receive an 'NR' for No Rating if the required data elements or criteria are not met. A detailed section for each component is included in the report.

Indicator Trends

Within each component section, historical score trends are displayed, typically using a 4-week moving average over a timeframe of the past three years. The dotted orange line indicates the average of the scores over those three years. The most recent occurrences of the best and worst scores are also displayed on the chart in grey boxes to put the current score into historical context.

Next to the trend chart for the company, current score averages are included, along with peer company comparisons of values from 6 months ago, 3 months ago, 1 month ago, the most recent value from 1 week ago, and the current score. The four closest industry peers are presented based on similar market capitalization.

Peer Analysis

The Thomson Reuters Business Classification (TRBC) system is used for industry comparisons. It is designed to track and display the primary business of a corporation by grouping together correlated companies that offer products and services into similar end markets. The system includes 10 Economic Sectors, 28 Business Sectors, 54 Industry Groups, and 136 Industries.

The Peer Analysis section of the report compares the company to its ten closest peers. The peers are selected from the industry based on similar market capitalization. The peer listing may have fewer than ten companies if there are fewer than ten companies within that industry classification.

Highlights

The Thomson Reuters proprietary automated text-generation system creates highlights summarizing the most noteworthy data. The bullets will vary by company and will change from week to week as different criteria are met.

Earnings

The Earnings Rating is based on a combination of three factors: earnings surprise, estimate revision, and recommendation changes. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have at least two of the three earnings factors in order to receive a score.

Earnings Surprises - The number of positive and negative surprises within the last 4 periods (quarters or years).

Estimate Revisions - The number of up and down revisions and the average percentage change of those revisions within a 4 week period.

Recommendation Changes - The number of broker upgrades and downgrades in the last 120 days.

Price Target

The price target is based on the predictions of analysts covering the stock and shows the high, low and mean price expected within the next 12 months.

Earnings Per Share

The quarterly and annual earnings per share are presented when available, along with the mean, high and low. Quarterly data is displayed for the past 4 quarters (actual) and the next 2 quarters (estimated). Annual data is displayed for the past 2 years (actual) and the next 2 years (estimated).

The Financial and Risk business of Thomson Reuters is now Refinitiv.

Mean Estimate Trend

The mean estimates show how the consensus has changed over the past 30 days and 90 days for the upcoming two quarters (when available) and two years. The percentage change is calculated for the company as a means for comparison by measuring the difference between the current consensus estimate and that of 90 days ago.

Analyst Recommendations

The I/B/E/S Mean is the average recommendation of all analysts covering the stock, as provided by Thomson Reuters I/B/E/S (Institutional Brokers Estimate System). The recommendations are presented on a five-point standardized scale: strong buy, buy, hold, reduce, and sell.

Earnings Surprises

The surprise summary includes the total number of time periods (and percentage) in the last 12 quarters (quarterly) or last 4 years (annual) in which earnings surprises were positive, negative, or in-line. In order to be recognized as a positive or negative surprise, the percent must be greater than 2% above or 2% below the consensus, respectively.

The surprise detail section includes a listing of the company's quarterly earnings reported for the most recent 6 periods (quarters or years). The consensus analyst estimate is provided to determine if the actual earnings report represented a positive surprise, negative surprise, or in-line result.

Fundamental

The Fundamental Rating is based on a combination of four fundamental component factors: profitability, debt, earnings quality, and dividend. Companies that do not pay a dividend are not penalized. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have at least two of the four fundamental factors present in order to receive a score.

Profitability is comprised of four data elements.

- Revenue Growth: (Net Sales – Previous Net Sales) / Previous Net Sales
- Gross Margin: Gross Profit / Net Sales
- Return on Equity: Net Income / Total Equity
- Net Margin: Net Profit / Net Sales

Debt is comprised of four data elements.

- Current Ratio: Current Assets / Current Liabilities
- Debt-to-Capital: Total Debt / Total Capital
- Interest Funding: (Interest Expense on Debt + Preferred Cash Dividends) / Funds from Operations
- Interest Coverage: Earnings before Interest and Taxes / (Interest Expense on Debt + Preferred Cash Dividends)

Earnings Quality is comprised of four data elements.

- Operating Cash Yield: (Operating Cash Flow – Net Income) / Net Income
- Accruals: (Net Income – Operating Cash Flow – Investing Cash Flow) / Average Net Operating Assets
- Days Sales in Inventory: 365 / (Cost of Goods Sold / Inventory)
- Days Sales in Receivables: 365 / (Net Sales / Receivables)

Dividend is comprised of four data elements. The company must have a current dividend yield.

- Dividend Growth Rate: (Dividends per Share – Previous Dividends per Share) / Previous Dividends per Share
- Dividend Payout: Dividends per Share / Earnings per Share
- Dividend Coverage: Funds from Operations / Cash Dividends
- Dividend Yield: Annual Dividends per Share / Current Market Price per Share

Indicator Trend

The fundamental indicator trend displays either quarterly scores over the past three years or annual scores over the past six years, depending on the reporting periods for the country. The best and worst scores can be easily determined from the values shown on the chart for each quarter or year.

Relative Valuation

The Relative Valuation Rating is based on a combination of three component factors: Price to Sales (50% weight), Trailing P/E (25% weight), and Forward P/E (25% weight). After the weightings are considered to combine individual factors, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. These common valuation metrics are evaluated against the overall market, the index, and the company's own historic 5-year averages. A stock needs to have at least one of the three relative valuation factors in order to receive a score.

Price to Sales: Close Price / (Sales for 4 Quarters or 1 Year / Shares Outstanding)

Trailing P/E: Close Price / Most Recent 4 Quarters or 1 Year of Earnings

Forward P/E: Close Price / Upcoming 4 Quarters or 1 Year of Earnings



Valuation Averages

Negative values are excluded when calculating the averages. A maximum value of 100 is placed on Trailing P/E and Forward P/E, a maximum value of 5 is placed on Forward PEG, and a maximum value of 20 is placed on Price to Sales when calculating the averages. Higher values are rounded down to the maximum for the averages.

Valuation Multiples

The valuation multiples provide the Trailing P/E, Forward P/E, Forward PEG, and Price to Sales for the company and the S&P 500 index average. In addition, a comparison of the current company's values to its 5-year average and an industry average are presented. A discount occurs when the company's ratio is valued more favorably (lower) than that to which it is compared.

Risk

The Risk Rating displays stocks on a scale of 1 to 10 with 10 being awarded to the least risky stocks. It is derived by looking at a series of long-term (5-year) and short-term (90-day) stock performance measures including volatility, magnitude of returns, beta, and correlation. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market. A stock needs to have at least two of the four risk factors in order to receive a score.

Magnitude of Returns – The best / worst daily returns in the past 90 days and the best / worst monthly returns in the past 60 months.

Volatility – The standard deviation of the stock price over the last 90 days and last 60 months, along with the average and largest intra-day stock swing.

Beta – Measures the tendency of a security's returns to respond to swings in the market, based on the beta of the company versus the relevant index.

Correlation – Determines how closely the returns of the stock and the relevant index move together, measured over the last 90 days and last 60 months.

Risk Analysis

Price analysis for the company and the relevant index is provided over two time periods. Daily analysis is provided for the last 90 days, whereas monthly statistics are used for the last 60 months.

Price Momentum

The Price Momentum Rating is based on a combination of two technical performance factors: relative strength (70% weight) and seasonality (30% weight). After the weightings are considered to combine individual factors, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have data for the relative strength factor in order to receive a score.

Relative Strength – The relative strength of the company for the last 1 month, 3 months, and 6 months on a scale of 1 to 100.

Seasonality – The average monthly return (price performance) for the current month and next 2 months for the company and industry, over the past 10 years. A lower industry rank indicates a higher return.

Price Performance

Daily close prices are used to calculate the price performance of the stock. The performance of the relevant index is also displayed as a means of comparison.

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