

# **VIRTUS ZEVENBERGEN FUNDS**

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Virtus Zevenbergen Innovative Growth Stock Fund  
Virtus Zevenbergen Technology Fund

December 31, 2023

# IMPORTANT RISK CONSIDERATIONS



<b>Equity Securities</b>	The market price of equity securities may be adversely affected by financial market, industry, or issuer-specific events. Focus on a particular style or on small or medium-sized companies may enhance that risk.
<b>Foreign Investing</b>	Investing in foreign securities subjects the portfolio to additional risks such as increased volatility; currency fluctuations; less liquidity; less publicly available information about the foreign investment; and political, regulatory, economic, and market risk.
<b>Issuer Risk</b>	The portfolio will be affected by factors specific to the issuers of securities and other instruments in which the portfolio invests, including actual or perceived changes in the financial condition or business prospects of such issuers.
<b>Consumer Concentration</b>	Because the portfolio is presently heavily weighted in the consumer sector, it will be impacted by that sector's performance more than a portfolio with broader sector diversification.
<b>Limited Number of Investments</b>	Because the portfolio has a limited number of securities, it may be more susceptible to factors adversely affecting its securities than a portfolio with a greater number of securities.
<b>Technology Concentration</b>	Because the portfolio is presently heavily weighted in the technology sector, it will be impacted by that sector's performance more than a portfolio with broader sector diversification.
<b>Focused Investments</b>	To the extent the portfolio focuses its investments on a limited number of issuers, sectors, industries or geographic regions, it may be subject to increased risk and volatility.
<b>Market Volatility</b>	The value of the securities in the portfolio may go up or down in response to the prospects of individual companies and/or general economic conditions. Local, regional, or global events such as war or military conflict, terrorism, pandemic, or recession could impact the portfolio, including hampering the ability of the portfolio's manager(s) to invest its assets as intended.
<b>Prospectus</b>	For additional information on risks, please see the fund's prospectus.

# VIRTUS INVESTMENT PARTNERS

MULTI-ASSET MANAGER



## KEY FACTS

\$172.3

Billion in  
AUM

38

Funds Rated  
4 or 5 Stars<sup>1</sup>



Past performance is not indicative of future results.

As of 12/31/23. <sup>1</sup>Based on INST-class or I shares. Please see page 15 for additional Morningstar disclosure. Strong ratings are not indicative of positive fund performance. <sup>2</sup>Newfleet Asset Management, Seix Investment Advisors, and Stone Harbor Investment Partners are divisions of Virtus Fixed Income Advisers, LLC ("VFIA"), an SEC registered investment adviser. Virtus has a majority or minority interest in the managers shown, with exception of Voya Investment Management.

- Founded in 1987 – Washington state
  - Managing separately managed portfolios and mutual funds
  - Focus on building client wealth through concentrated growth equity portfolios
  - AUM: \$4.4 billion\*
  - Cohesive management team
- Growth Investment Philosophy
    - Revenue, cash flow, and earnings growth drive stock prices
    - Quality management and solid financials moderate downside risk
  - Investing in Disruptors
    - Founders challenging conventional wisdom – architecting the future
  - High-Conviction Portfolio Management
    - Concentrated positions
    - Long-term holding periods

Source: Zevenbergen Capital Investments

\*As of 12/31/23.

Investments involve risk, including the possible loss of principal and fluctuation in value.

### Portfolio Management & Research

Nancy Zevenbergen, CFA  
*President, Co-Chief Investment Officer,  
Portfolio Manager*

Joseph Dennison, CFA  
*Principal, Portfolio Manager*

Anthony Zackery, CFA  
*Principal, Portfolio Manager,  
Sustainable Investment Lead*

Dani Blanchard, CFA  
*Research Analyst*

### Client Portfolio Analysis & Communications

Herb Albin  
*Chief Fixed Income Officer,  
Client Portfolio Manager*

Tom Dickson  
*Client Portfolio Manager,  
Head of Business  
Development*

Susan Schmatzhagen  
*Senior Client Service  
Specialist*

Manfred Kanther  
*Client Portfolio Manager*

William Cook  
*National Director  
Mutual Fund Sales*

### Funds Distribution

### Business Administration & Operations

Alexa Kopicky, CPA  
*Principal, Chief Compliance Officer,  
Chief Financial Officer*

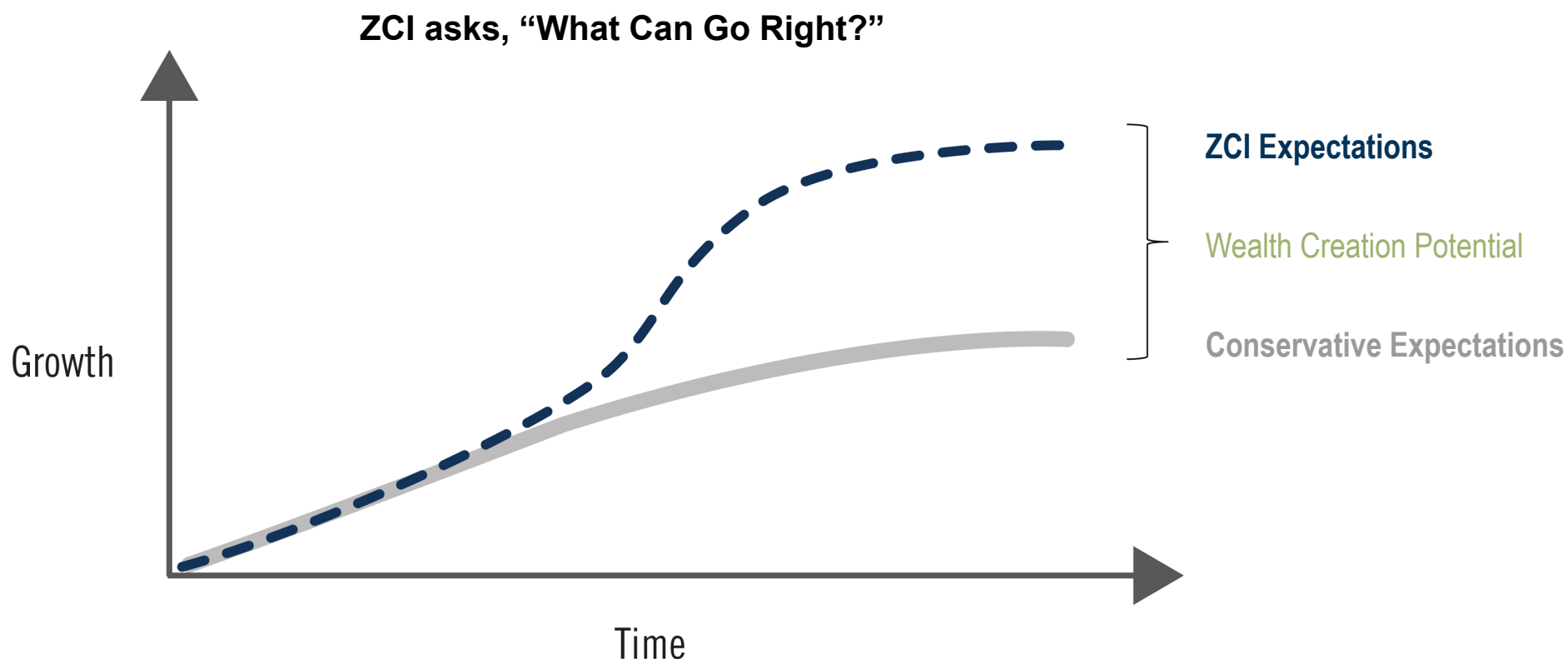
Jim Fasano  
*Chief Technology Officer*

Greg Gibson, CPA  
*Chief Administrative Officer*

# INVESTMENT PHILOSOPHY: FUNDAMENTALS DRIVE LONG-TERM STOCK RETURNS

Revenue, earnings, and cash flow growth are the ultimate determinants of shareholder outcomes. Management quality and financial flexibility strengthen business models.

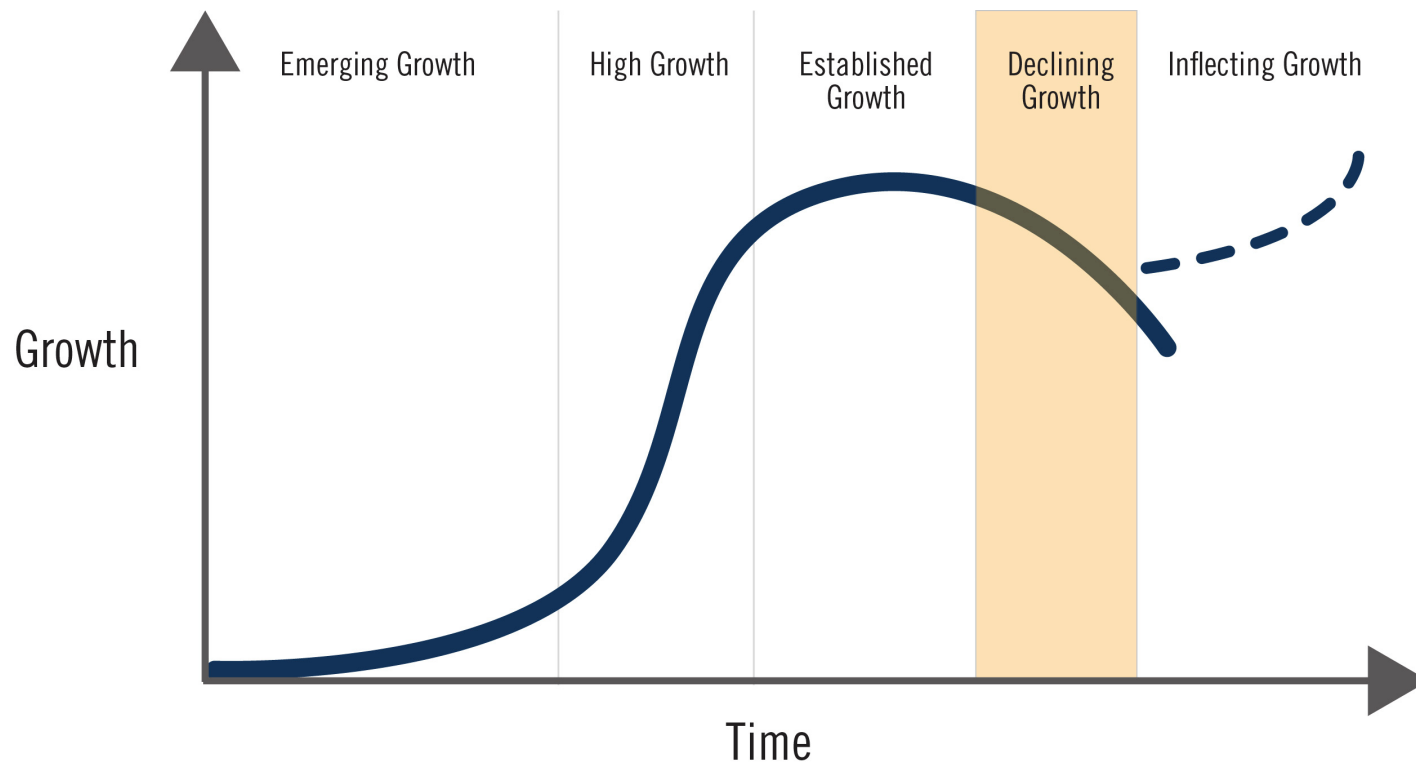
Conservative expectations provide excess return opportunities.



The views expressed are those of ZCI. **These views are subject to change at any time and should not be interpreted as a guarantee of future performance of securities, the markets, or any funds managed by ZCI.** This information is not meant to provide investment advice and should not be considered a recommendation to purchase or sell securities. Investing in the stock market involves risks, including the potential loss of principal. Growth stocks may be more volatile than other stocks as their prices tend to be higher in relation to their companies' earnings and may be more sensitive to market, political, and economic developments. Active trading may increase transaction costs, brokerage commissions, and taxes, which can lower the return on investment.

# INVESTING IN ATTRACTIVE GROWTH OPPORTUNITIES ACROSS BUSINESS CYCLE STAGES

Zevenbergen Capital Investments (ZCI) invests in businesses with growing or improving fundamental trends, regardless of company maturity or size. This bottom-up approach typically results in minimal exposure to deteriorating or contracting business models.



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## Analyst Driven Culture Aligned with Client Success: One Team, One Dream

- Revenue growth as our North Star
- Use internal and external resources to find misunderstood or underappreciated opportunities
- Evaluate financial and non-financial growth drivers and risk factors, and frame upside and downside scenarios

	Innovative Growth	Technology Sector
<b>Focus</b>	Identify and invest in companies with high sustainable growth potential across capitalization ranges	Identify and invest in technology-driven industries and businesses across capitalization ranges
<b>Idea Generation</b>	3,000 stock universe  Benchmark: Russell 3000® Growth Index	500 stock universe  Benchmark: S&P North American Technology Index
<b>Active Share</b>	High	Moderate
<b>Holdings</b>	30-50 Concentrated exposure to emerging and high growth companies	40-70 Diversified with significant exposure to established growth companies
<b>Sell Discipline</b>	<ul style="list-style-type: none"> <li>■ Conviction-based portfolio management; low turnover among largest holdings</li> <li>■ Sell when company fundamentals deteriorate or when more compelling ideas present themselves</li> </ul>	

Source: Zevenbergen Capital Investments

There is no assurance this investment process will consistently lead to successful investing. **This process should not be interpreted as a guarantee of the future performance of securities, the markets, or any funds managed by ZCI.** This information is not meant to provide investment advice and should not be considered a recommendation to purchase or sell securities. Investing in the stock market involves risks, including the potential loss of principal. Growth stocks may be more volatile than other stocks as their prices tend to be higher in relation to their companies' earnings and may be more sensitive to market, political, and economic developments. Active Share is defined on page 25. Active trading may increase transaction costs, brokerage commissions, and taxes, which can lower the return on investment. The Russell 3000® Growth Index is defined on page 15. The S&P North American Technology Sector Index is defined on page 24.



Share price volatility, while often used to approximate risk, is an unavoidable and natural byproduct of investing in industries undergoing significant change. Zevenbergen Capital Investments weighs the potential for investment losses against prospective returns by asking two questions:

**What is the likelihood of permanent capital loss?**

***ZCI works to mitigate through***

- Fundamental analysis
- Portfolio construction
- Long-term orientation

**What is the risk of missed wealth creation opportunity?**

***ZCI works to mitigate through***

- Focus on business performance, not on short-term price stock swings
- Evaluation of investment upside potential on five-year timeframe
- Willingness to invest across corporate life cycle stages and capitalization ranges

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## **VIRTUS ZEVENBERGEN INNOVATIVE GROWTH STOCK FUND**

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A Shares: SAGAX

I Shares: SCATX

R6 Shares: VZGRX

# INVESTMENT OVERVIEW AND KEY FEATURES

## VIRTUS ZEVENBERGEN INNOVATIVE GROWTH STOCK FUND



### Objective

The Fund seeks long-term capital appreciation by investing in a concentrated portfolio of companies across capitalizations and in different phases of their life cycle, which exhibit strong growth expectations. A strongly independent approach to research and disciplined active management aims to preserve objectivity from Wall Street biases and to help capture meaningful potential return advantages.

### Features

1

#### High-Growth Focus

Searches for well-run, high-growth companies prompting disruptive business landscape changes, often through technological advances

2

#### Rigorous Fundamental Research

Bottom-up analysis strives to identify stocks poised to benefit from price catalysts from positive revenue, cash flow, and earnings growth

3

#### High-Conviction Portfolio

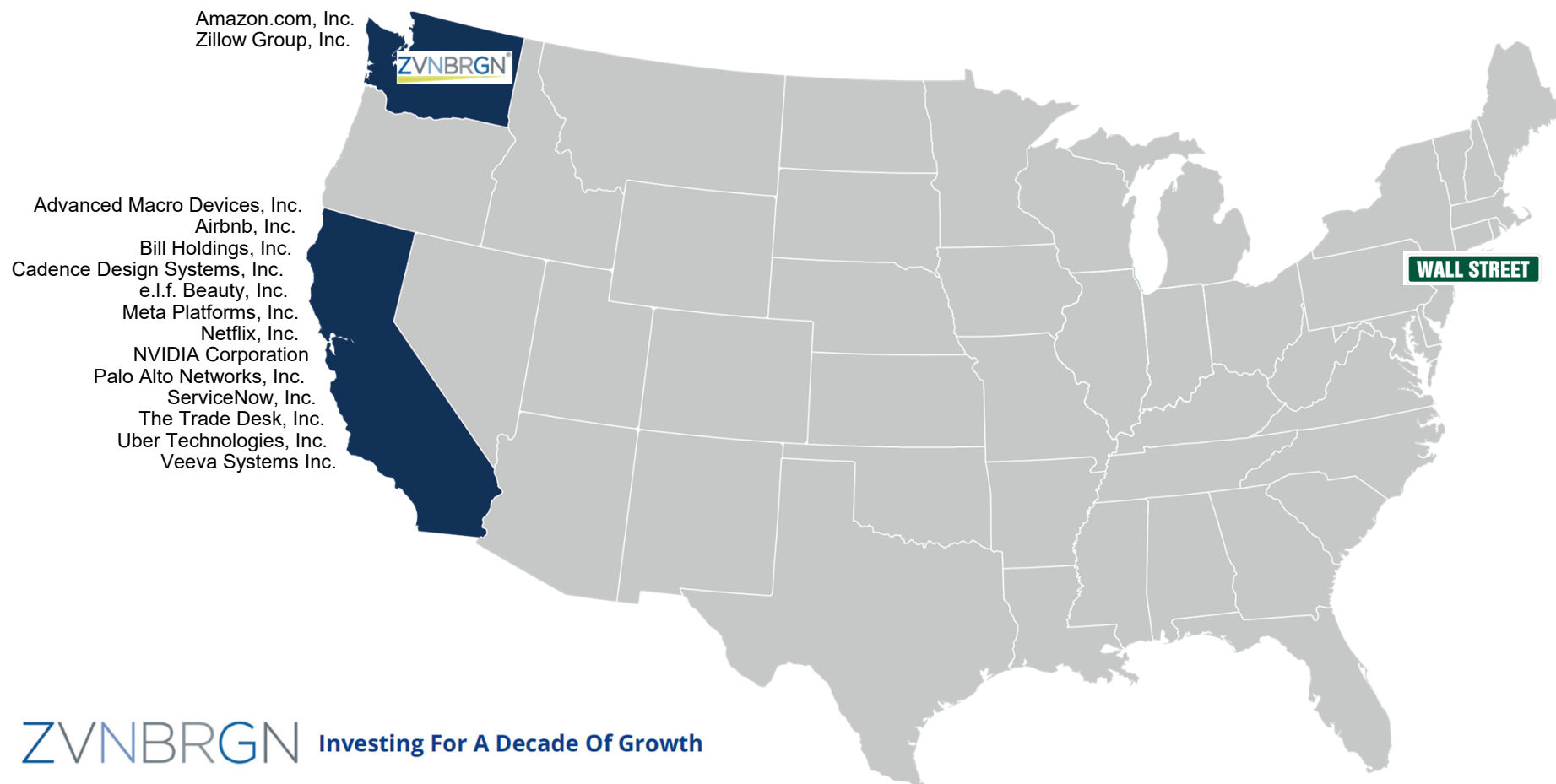
Focused on the portfolio team's strongest investment opportunities, with a long-term, low-turnover approach to realize full stock value potential

# “WEST COAST IS THE GROWTH COAST”

## WEST COAST – ENTREPRENEURIAL/START-UP HUB



- The Pacific Northwest has historically been home to early adopters and a testing ground for new concepts
- Silicon Valley to the south is notable for the number of innovative and disruptive technology companies started and headquartered there



Source: Zevenbergen Capital Investments

As of 12/31/23.

The companies identified, based on geographic location, are portfolio holdings from a representative account in the Zevenbergen Growth Equity Composite, which reflects the typical portfolio management style of the strategy. A complete list of ZCI's holdings over the preceding 12 months is available upon request. Reader should not assume that investments in the securities identified were or will be profitable. Companies referenced herein do not represent security or market sector recommendations. Please reference the Important Disclosures page included as part of these materials.

# VIRTUS ZEVENBERGEN INNOVATIVE GROWTH STOCK FUND

## PORTFOLIO CHARACTERISTICS



CHARACTERISTICS	Virtus Zevenbergen Innovative Growth Stock Fund	Russell 3000® Growth Index
Average Weighted Market Cap (bn)	313.03	1,050.61
Median Market Cap (bn)	30.04	2.30
Trailing P/E Ex-Negative Earnings	70.39	33.65
Price-to-Cash Flow	42.96	27.76
Price-to-Book Value	10.35	9.98
3-Year Earnings Growth Rate	7.44	18.93
5-Year Earnings Growth Rate	29.71	22.65
Active Share	79.81	n/a
<b>RISK STATISTICS (3 YEAR)</b>		
Alpha	-20.64	n/a
Beta	1.45	1.00
R <sup>2</sup>	0.72	1.00
Sharpe Ratio	-0.43	0.29
Standard Deviation	34.65	20.34

**Past performance is no guarantee of future results.**

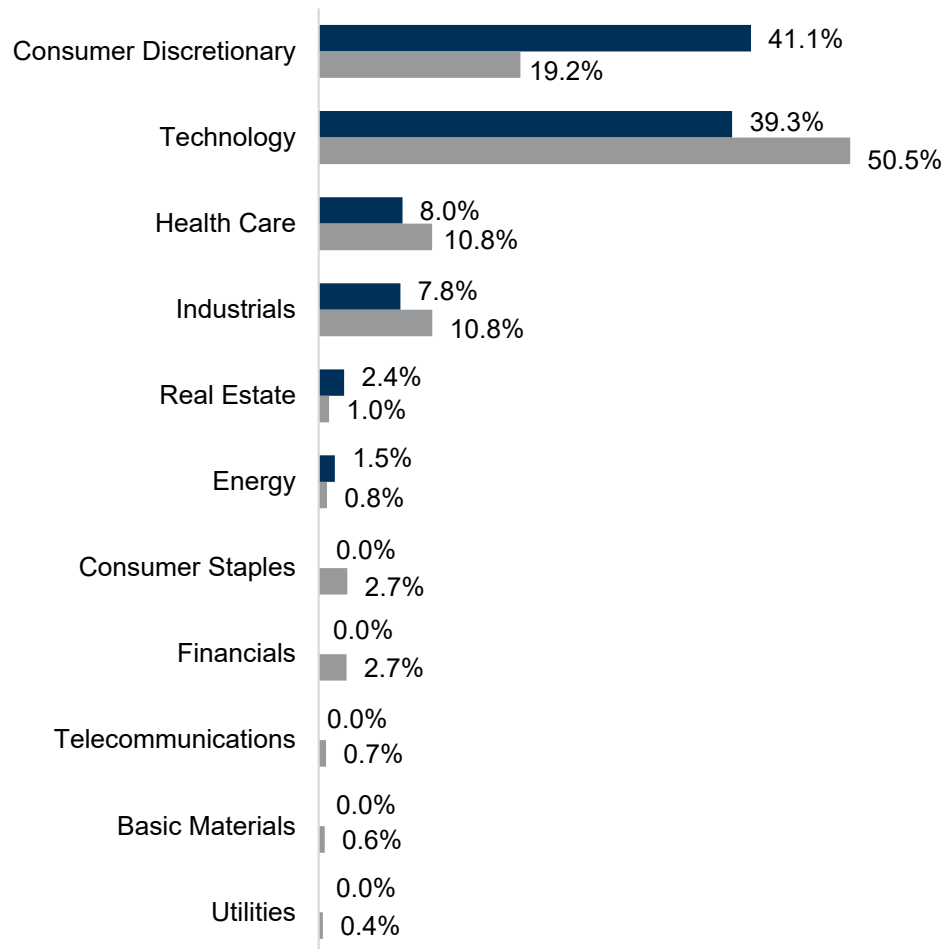
As of 12/31/23. Source: Virtus Performance and Analytics. Portfolio characteristics are subject to change. Characteristics and statistics defined on page 25. Index defined on page 15.

# VIRTUS ZEVENBERGEN INNOVATIVE GROWTH STOCK FUND

## SECTOR ALLOCATION AND TOP HOLDINGS



### SECTOR WEIGHTS



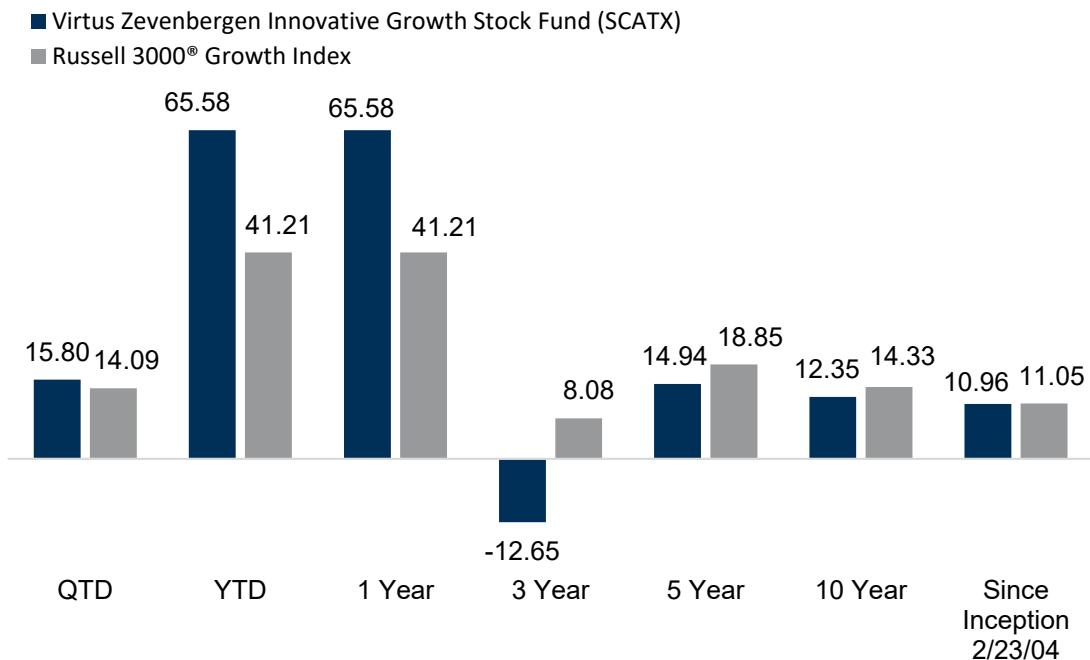
■ Virtus Zevenbergen Innovative Growth Stock Fund  
■ Russell 3000® Growth Index

### TOP TEN HOLDINGS

	% of Fund
Tesla, Inc.	7.74
MercadoLibre Inc.	7.08
NVIDIA Corp.	6.27
Shopify Inc.	5.90
Amazon.com, Inc.	5.79
The Trade Desk, Inc.	4.93
Uber Technologies, Inc.	4.51
Axon Enterprise, Inc.	4.05
Snowflake Inc.	3.74
Advanced Micro Devices, Inc.	3.63
<b>Total</b>	<b>53.64</b>

# PERFORMANCE REVIEW

AS OF DECEMBER 31, 2023 (%)



**Performance data quoted represents past performance. Past performance does not guarantee future results. Investment return and principal value will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data quoted. Please visit [virtus.com](http://virtus.com) for performance data current to the most recent month end. This share class has no sales charges and is not available to all investors. Other share classes have sales charges. See [virtus.com](http://virtus.com) for details.**

The fund class gross expense ratio is 1.15%. The net expense ratio is 1.00%, which reflects a contractual expense reimbursement in effect through 4/30/2024.

Average annual total return is the annual compound return for the indicated period and reflects the change in share price and the reinvestment of all dividends and capital gains. Returns for periods of one year or less are cumulative returns.

The Russell 3000® Growth Index is a market capitalization-weighted index of growth-oriented stocks of U.S. companies. The index is calculated on a total return basis with dividends reinvested. The index is unmanaged, its return do not reflect any fees, expenses, or sales charges, and is not available for direct investment.

## MORNINGSTAR RATINGS™

I Share	Large Growth
Time Period	# of Stars # of Funds
Overall	★ 1,118
3 Year	★ 1,118
5 Year	★ 1,031
10 Year	★ 810

Morningstar ratings are based on risk-adjusted returns. Strong ratings are not indicative of positive fund performance.

The Morningstar Rating™ for funds, or “star rating”, is calculated for managed products (including mutual funds, variable annuity and variable life subaccounts, exchange-traded funds, closed-end funds, and separate accounts) with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product’s monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. The weights are: 100% three-year rating for 36-59 months of total returns, 60% five-year rating/40% three-year rating for 60-119 months of total returns, and 50% 10-year rating/30% five-year rating/20% three-year rating for 120 or more months of total returns. While the 10-year overall star rating formula seems to give the most weight to the 10-year period, the most recent three-year period actually has the greatest impact because it is included in all three rating periods. Ratings do not take into account the effects of sales charges and loads.

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# A HISTORY OF BOUNCING BACK FROM LOW MORNINGSTAR RATINGS

- Since inception (2/23/04), Virtus Zevenbergen Innovative Growth Stock Fund has recovered from occasional 1- and 2-star Morningstar Ratings by going on to achieve top decile performance over the next 12, 24, and 36 months.
- In all four low-rating periods, high-growth technology stocks were out of favor, and the Fund underperformed.

Low Morningstar Rating Time Period	12 Months Later		24 Months Later		36 Months Later	
<b>★ 1 Star</b> (10/31/2012 for 2 months)	11/1/2012 - 10/31/2013		11/1/2012 - 10/31/2014		11/1/2012 - 10/31/2015	
<b>Morningstar Peer Group Percentile</b> (Among 1,027 peers within Morningstar Large Growth Category)	1	53	1	47	1	41
<b>Returns</b>	59.75	29.16	33.50	22.61	22.22	17.79
<b>Excess Return</b>	30.59		10.90		4.43	
<b>★★ 2 Star</b> (11/30/2008 for 5 months)	12/1/2008 - 11/30/2009		12/1/2008 - 11/30/2010		12/1/2008 - 11/30/2011	
<b>Morningstar Peer Group Percentile</b> (Among 919 peers within Morningstar Large Growth Category)	2	44	2	40	11	33
<b>Returns</b>	57.86	35.13	38.94	24.77	22.66	19.02
<b>Excess Return</b>	22.72		14.17		3.63	
<b>★★ 2 Star</b> (5/31/2012 for 5 months then dropped to 1 star on 10/31/2012)	6/1/2012 - 5/31/2013		6/1/2012 - 5/31/2014		6/1/2012 - 5/31/2015	
<b>Morningstar Peer Group Percentile</b> (Among 1,009 peers within Morningstar Large Growth Category)	8	42	3	46	6	42
<b>Returns</b>	30.36	23.17	28.30	22.44	23.32	19.89
<b>Excess Return</b>	7.19		5.86		3.43	
<b>★★ 2 Star</b> (1/31/2016 for 17 months)	2/1/2016 - 1/31/2017		2/1/2016 - 1/31/2018		2/1/2016 - 1/31/2019	
<b>Morningstar Peer Group Percentile</b> (Among 1,082 peers within Morningstar Large Growth Category)	7	28	4	27	1	30
<b>Returns</b>	22.67	17.91	30.96	25.75	25.61	16.51
<b>Excess Return</b>	4.76		5.21		9.10	
<b>★ 1 Star</b> (5/31/2022 for 2 months, then 2 star for 2 months and then 1 star since 10/31/2022)	6/1/2022 - 5/31/2023		n/a		n/a	
<b>Morningstar Peer Group Percentile</b> (Among 1,220 peers within Morningstar Large Growth Category)	1	28				
<b>Returns</b>	18.95	9.15				
<b>Excess Return</b>	9.80					

Past performance is no guarantee of future results.

Source: Morningstar Direct. Morningstar Category - Large Growth. See Morningstar disclosures on page 15.

- Virtus Zevenbergen Innovative Growth Stock Class I
- Russell 3000® Growth Index

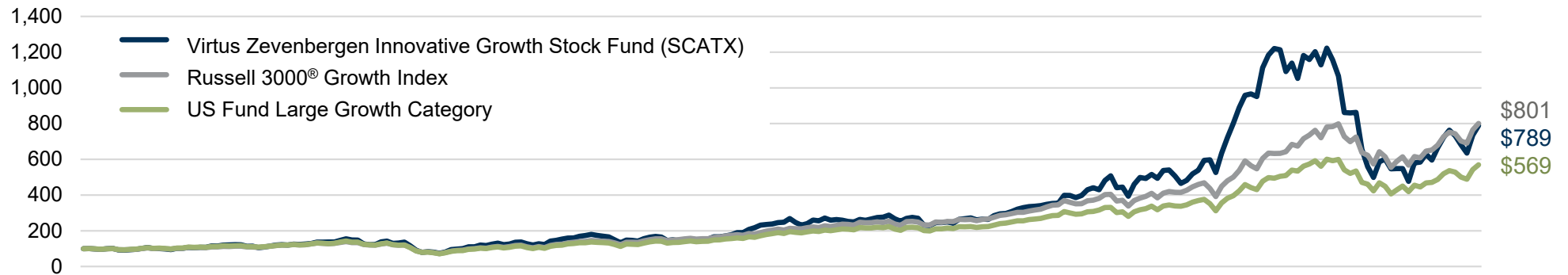


# A LONG-TERM TRACK RECORD



Zevenbergen Capital Investments looks to hold investments for long periods of time and has offered notable growth potential to patient investors comfortable with volatility and occasional, significant market drawdowns.

INVESTMENT GROWTH AND INTRA-YEAR DRAWDOWNS as of 12/31/23 since inception\*



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Return (%)	7.11	5.32	23.12	-43.53	56.24	21.71	-10.41	7.85	59.73	2.22	7.02	-2.12	34.29	11.07	37.02	119.67	-9.93	-55.31	65.58
Max Drawdown (%)	-12.71	-17.65	-11.19	-55.71	-22.29	-16.00	-29.17	-17.87	-6.24	-18.59	-15.74	-24.22	-7.54	-30.45	-19.72	-35.91	-32.46	-57.54	-20.23

\*Inception: 2/23/04

**Past performance is not indicative of future results.**

Source: Morningstar Direct. Standardized performance is presented on page 15. Russell 3000® Growth Index is defined on page 15.

# PROJECTED REVENUE GROWTH – TOP HOLDINGS

## VIRTUS ZEVENBERGEN INNOVATIVE GROWTH STOCK FUND



### Virtus Zevenbergen Innovative Growth Stock Fund

### Russell 3000® Growth Index †

### SPDR® S&P 500 ETF (SPY) †

Security	Percent Holdings	Revenue Growth Y/Y	
		Projected* 2023	Projected* 2024
Tesla, Inc.	7.7%	20%	21%
MercadoLibre Inc.	7.1%	35%	24%
NVIDIA Corp.	6.3%	97%	68%
Shopify Inc.	5.9%	25%	20%
Amazon.com, Inc.	5.8%	11%	12%
The Trade Desk, Inc.	4.9%	22%	20%
Uber Technologies, Inc.	4.5%	16%	16%
Axon Enterprise, Inc.	4.1%	30%	21%
Snowflake Inc.	3.7%	37%	30%
Advanced Micro Devices, Inc.	3.6%	-4%	17%
Total:	53.6%		
Average:		29%	25%

Security	Percent Holdings	Revenue Growth Y/Y	
		Projected* 2023	Projected* 2024
Apple Inc.	11.4%	-1%	5%
Microsoft Corp.	11.2%	11%	14%
Amazon.com, Inc.	5.5%	11%	12%
NVIDIA Corp.	4.7%	97%	68%
Alphabet Inc. Class A	3.3%	9%	12%
Meta Platforms, Inc.	3.1%	15%	13%
Alphabet Inc. Class C	2.8%	9%	12%
Tesla, Inc.	2.7%	20%	21%
Eli Lilly and Co.	2.0%	18%	16%
Broadcom Inc.	1.9%	10%	32%
Total:	48.8%		
Average:		20%	20%

Security	Percent Holdings	Revenue Growth Y/Y	
		Projected* 2023	Projected* 2024
Apple Inc.	7.0%	-1%	5%
Microsoft Corp.	7.0%	11%	14%
Amazon.com, Inc.	3.4%	11%	12%
NVIDIA Corp.	3.1%	97%	68%
Alphabet Inc. Class A	2.1%	9%	12%
Meta Platforms, Inc.	2.0%	15%	13%
Alphabet Inc. Class C	1.8%	9%	12%
Tesla, Inc.	1.7%	20%	21%
Berkshire Hathaway Inc.	1.6%	4%	5%
JPMorgan Chase & Co.	1.2%	23%	-1%
Total:	30.8%		
Average:		20%	16%

As of 12/31/23

\* Actual results may vary, and the information should not be considered or relied upon as a performance guarantee. Investing involves risk, including the possible loss of principal and fluctuation of value.

† The presented holdings above for the Russell 3000® Growth Index and the SPDR® S&P 500 ETF (SPY) represent the top 10 securities (based on percent holdings) as of December 31, 2023, for each comparison. SPY seeks to provide investment results, before expenses, that correspond generally to the price and yield performance of the S&P 500 Index. The S&P 500 Index is comprised of the top 500 U.S. corporations measured by their market capitalization and is generally representative of the U.S. stock market, of which holdings or associated statistics are included for informational purposes only.

Fund holdings and sector allocations are subject to change. The information presented above includes the top 10 security holdings (based on percent holdings) as of December 31, 2023, of a representative account within the Zevenbergen Growth Equity Composite, which reflects the typical portfolio management style of the strategy. Other client account holdings may differ due to specific investment objectives, risk tolerances, restrictions and other factors. Please reference the Important Disclosures page included as part of these materials. Source data provided by Bloomberg Finance L.P. as of April 6, 2023. The Projected and Actual Revenue Growth columns above represent the Consensus Projected Best Sales YoY Gr 23 and Consensus Projected Best Sales YoY Gr 22 (updated based on actual results) from Bloomberg Finance L.P. and is based on the calendar year. The strategy contains high-growth companies which at times can exhibit substantially great volatility than the stock market as a whole. Please reference the additional disclosures page included as part of these materials. Companies referenced herein do not represent security or market sector recommendations. Reader should not assume that investments in the securities identified were or will be profitable. A complete list of ZCI's holdings over the preceding 12 months is available upon request. The Russell Indices are trademarks of the London Stock Exchange Group. Standard & Poor's®, S&P®, and SPDR® are registered trademarks of Standard & Poor's Financial Services LLC (S&P).

# DIGITIZATION AND ELECTRIFICATION

## Technology Enables Transformation

### Changing how we...

#### Live

- **E-commerce:** Amazon.com, Inc., Global-E Online Ltd., MercadoLibre, Inc., Shopify Inc.
- **Social Media/Commerce, Internet Advertising:** The Trade Desk, Inc., Sprout Social, Inc., DoubleVerify Holdings, Inc.
- **Food Delivery and Third-party Aggregators:** Uber Technologies, Inc.
- **Electrification:** Tesla, Inc., First Solar, Inc.
- **E-services:**
  - **Re-thinking the “Home” and the Real Estate Experience:** Airbnb, Inc., Zillow Group, Inc.
  - **Artificial Intelligence and Enhanced Interactions:** Advanced Micro Devices, Inc., NVIDIA Corp., Snowflake Inc.

#### Work

- **Increasing Cloud Adoption:** Amazon.com, Inc., ServiceNow, Inc., NVIDIA Corp., Veeva Systems Inc., Snowflake Inc.
- **Digital Transformation of Front and Back Office:** ServiceNow, Inc., Bill Holdings, Inc., DLocal Limited, Toast, Inc.
- **Security – Securing the Mobile/Remote User:** CrowdStrike Holdings, Inc., Palo Alto Networks, Inc.
- **Data Analytics/Monitoring:** NVIDIA Corp., Snowflake Inc.
- **Data/Artificial Intelligence Analytics:** NVIDIA Corp., Snowflake Inc.

#### Play

- **Video Gaming:** NVIDIA Corp.
- **Streaming Entertainment (Live Events Aversion):** Netflix, Inc., The Trade Desk, Inc.
- **New Content Generation, Interactive Experiences, and Data Mining:** NVIDIA Corp.

Source: Zevenbergen Capital Investments

Companies referenced herein do not represent a security or market sector recommendation. A complete list of ZCI's holdings over the preceding 12 months is available upon request. Reader should not assume that investments in the securities identified were or will be profitable.



## **VIRTUS ZEVENBERGEN TECHNOLOGY FUND**

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A Shares: RAGTX  
ADMIN Shares: DGTAX  
C Shares: RCGTX  
INST Shares: DRGTX  
P Shares: ARTPX

# INVESTMENT OVERVIEW AND KEY FEATURES

VIRTUS ZEVENBERGEN TECHNOLOGY FUND



## Objective

The Fund seeks attractive long-term competitive returns by investing in a portfolio of innovative technology companies that are capitalizing on the major themes powering tech sector growth.

## Features

1

### Capitalizing on Technological Growth Trends

The Fund aims to identify significant growth trends ahead of the crowd, building an intimate knowledge of technology companies with optimal exposure to key trends and investing in those that demonstrate market leading potential

2

### Investing across the Business Cycle Stages

The Fund invests in 40-70 emerging and mature technology companies, focusing on revenue, cash flow, and earnings growth in companies with strong management and solid fundamentals

3

### Leveraging an Information Advantage

The portfolio management team has deep experience uncovering emerging trends and managing investments in technology companies across business cycle stages, applying perspective from decades of industry knowledge

# VIRTUS ZEVENBERGEN TECHNOLOGY FUND

## PORTFOLIO CHARACTERISTICS



CHARACTERISTICS	Virtus Zevenbergen Technology Fund	S&P North American Technology Index
Average Weighted Market Cap (bn)	902.18	867.25
Median Market Cap (bn)	92.50	6.25
Trailing P/E Ex-Negative Earnings	43.07	34.30
Price-to-Cash Flow	34.28	28.61
Price-to-Book Value	12.52	9.37
3-Year Earnings Growth Rate	19.29	18.12
5-Year Earnings Growth Rate	29.38	23.55
Active Share	43.93	n/a
<b>RISK STATISTICS (3 YEAR)</b>		
Alpha	-6.56	n/a
Beta	1.00	1.00
R <sup>2</sup>	0.91	1.00
Sharpe Ratio	0.01	0.31
Standard Deviation	24.77	23.66

**Past performance is no guarantee of future results.**

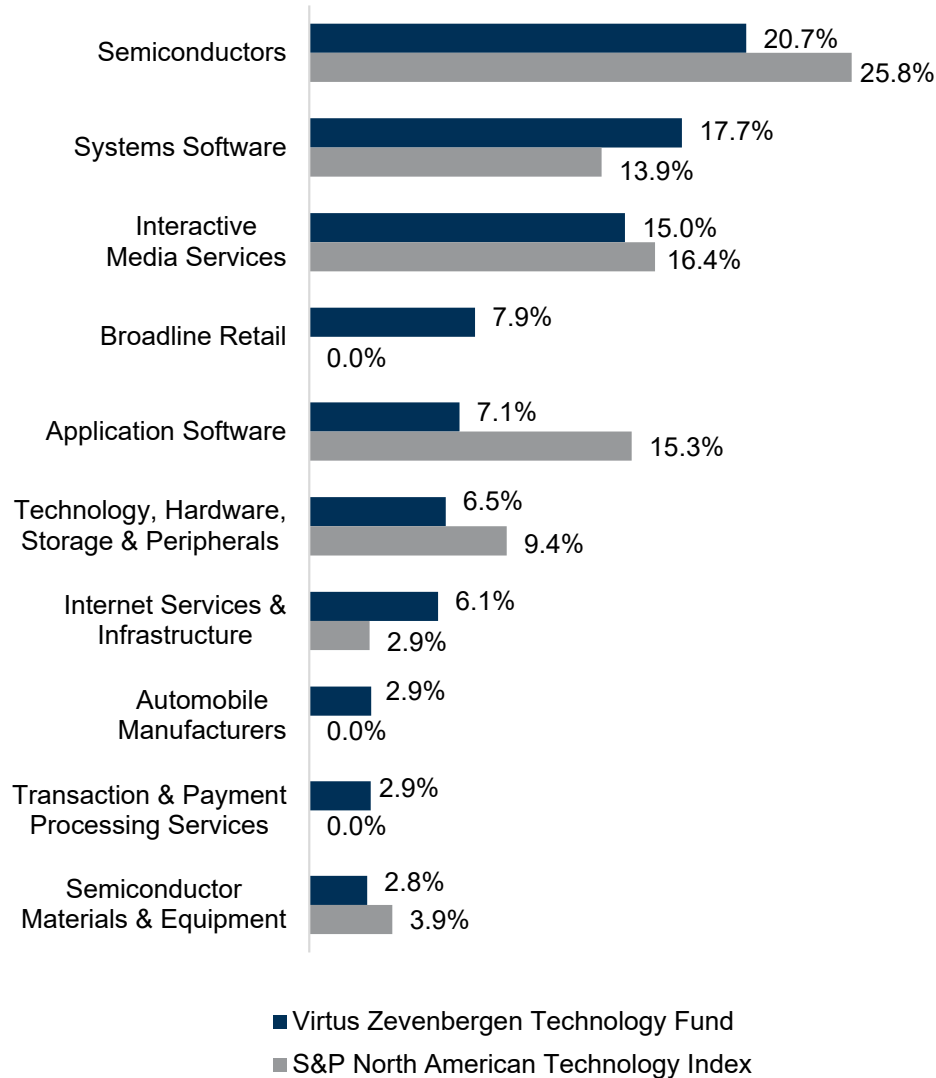
As of 12/31/23. Source: Virtus Performance and Analytics. Portfolio characteristics are subject to change. Characteristics and statistics are defined on page 25. Index is defined on page 24.

# VIRTUS ZEVENBERGEN TECHNOLOGY FUND

## SECTOR ALLOCATION AND TOP HOLDINGS



### INDUSTRY ALLOCATION

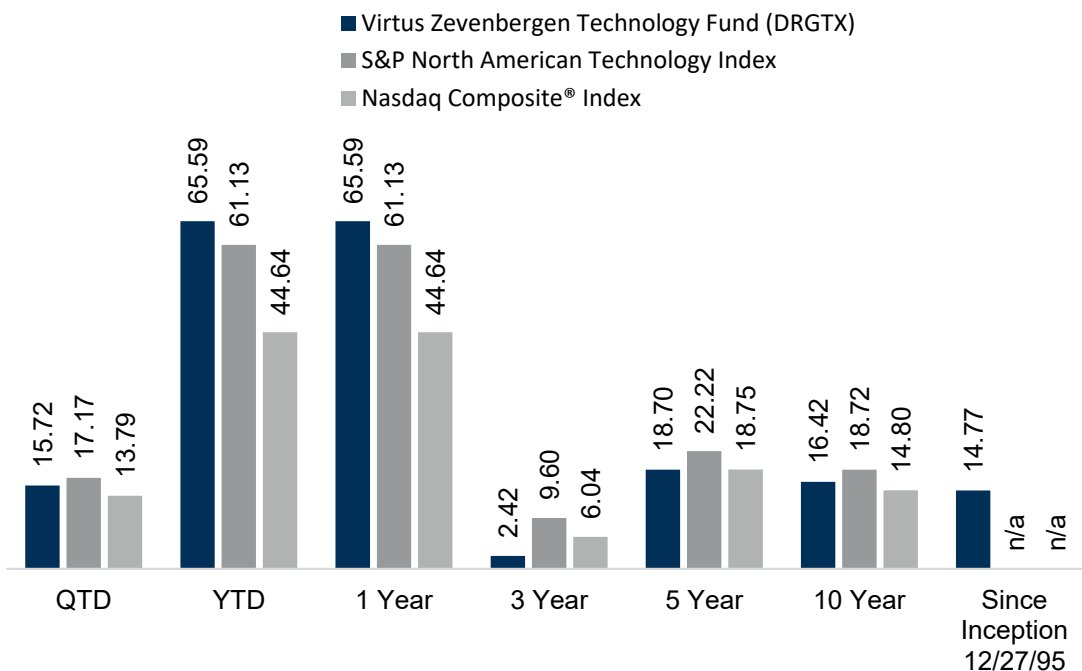


### TOP TEN HOLDINGS

	% of Fund
Alphabet, Inc.- Cl C	8.23
Microsoft, Corp.	8.10
NVIDIA, Corp.	7.77
Meta Platforms Inc.	6.72
Apple Inc.	6.46
Amazon.com, Inc.	5.10
Advanced Micro Devices Inc.	3.50
Palo Alto Networks Inc.	3.23
Tesla, Inc.	2.93
ServiceNow, Inc.	2.58
<b>Total</b>	<b>54.62</b>

# PERFORMANCE REVIEW

AS OF DECEMBER 31, 2023 (%)



**Performance data quoted represents past performance. Past performance does not guarantee future results. Investment return and principal value will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data quoted. Please visit [virtus.com](http://virtus.com) for performance data current to the most recent month end. This share class has no sales charges and is not available to all investors. Other share classes have sales charges. See [virtus.com](http://virtus.com) for details.**

The fund class gross expense ratio is 1.17%.

Average annual total return is the annual compound return for the indicated period and reflects the change in share price and the reinvestment of all dividends and capital gains. Returns for periods of one year or less are cumulative returns.

**Index 1:** The S&P North American Technology Sector Index is a modified capitalization-weighted index of selected technology and internet-related stocks. The index is calculated on a total return basis. The index is unmanaged, its returns do not reflect any fees, expenses, or sales charges, and is not available for direct investment.

**Index 2:** The Nasdaq Composite Index is a market capitalization-weighted index of all common stocks listed on the Nasdaq Stock Market. The index is calculated on a total return basis. The index is unmanaged, its returns do not reflect any fees, expenses, or sales charges, and is not available for direct investment.

## MORNINGSTAR RATINGS™

I Share	Technology	
Time Period	# of Stars	# of Funds
Overall	★★★	231
3 Year	★★★	231
5 Year	★★★	204
10 Year	★★★	159

Morningstar ratings are based on risk-adjusted returns. Strong ratings are not indicative of positive fund performance.

The Morningstar Rating™ for funds, or “star rating”, is calculated for managed products (including mutual funds, variable annuity and variable life subaccounts, exchange-traded funds, closed-end funds, and separate accounts) with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product’s monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. The weights are: 100% three-year rating for 36-59 months of total returns, 60% five-year rating/40% three-year rating for 60-119 months of total returns, and 50% 10-year rating/30% five-year rating/20% three-year rating for 120 or more months of total returns. While the 10-year overall star rating formula seems to give the most weight to the 10-year period, the most recent three-year period actually has the greatest impact because it is included in all three rating periods. Ratings do not take into account the effects of sales charges and loads.

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**Avg. Weighted Market Cap (bn):** The sum of each security's weight within the fund (or index) multiplied by the security's market capitalization.

**Trailing P/E Ex-Negative Earnings:** Per share stock price divided by the latest 12-months earnings per share.

**Price-to-Cash Flow:** Per-share stock price divided by the per-share operating cash flow.

**Price-to-Book Value:** A ratio used to compare a stock's market value to its book value.

**3-Year EPS Growth Rate:** Average of earnings per share growth for latest 3-year period.

**5-Year EPS Growth Rate:** Average of earnings per share growth for latest 5-year period.

**Active Share:** A measure of the percentage of stock holdings in a manager's portfolio that differ from the benchmark index.

**Alpha:** A risk-adjusted measure of an investment's excess return relative to a benchmark.

**Beta:** A quantitative measure of the volatility, or systematic risk, of a security or a portfolio in comparison to the market as a whole.

**R<sup>2</sup>:** A measure that represents the percentage of a fund or security's movements that can be explained by movements in a benchmark index.

**Price/Earnings-to-Growth Ratio:** The price/earnings to growth ratio (PEG ratio) is a stock's price-to-earnings (P/E) ratio divided by the growth rate of its earnings for a specified time period.

**Price-to-Sales Ratio:** The price-to-sales (P/S) ratio is a valuation ratio that compares a company's stock price to its revenues. It is an indicator of the value placed on each dollar of a company's sales or revenues.

**Sharpe Ratio:** A risk-adjusted measure calculated using standard deviation and excess return to determine reward per unit of risk.

**Standard Deviation:** Measures variability of returns around the average return for an investment portfolio. Higher standard deviation suggests greater risk.



**Virtus** (NYSE: VRTS) is a distinctive partnership of boutique investment managers, singularly committed to the long-term success of individual and institutional investors.

- We are not constrained by a single investment approach; rather, we provide access to independent, specialized investment philosophies through our multi-discipline, multi-strategy approach.
- We have the flexibility, agility, and responsiveness of a boutique asset management firm with similar product breadth and investment talent of our larger peers.
- We are committed to thoughtfully providing investment solutions, adhering to the highest standards of product quality, operational excellence, and fiduciary responsibility.

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