

EQUITY RISK SCIENCES, INC

INTRODUCTION TO ERS'S TECHNOLOGY

"Wouldn't it be great if someone used science and technology to make investing safer and more rewarding?"

PROBLEM

Traditional Investing Methods Too Often Fail to Protect Investors Capital

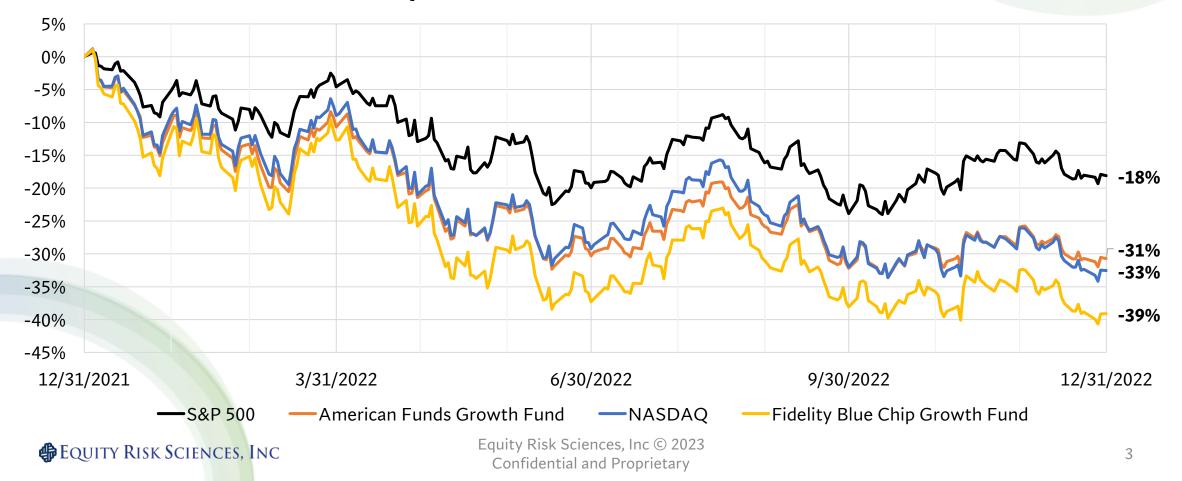
Last Year Investors Lost \$9 Trillion Dollars in Stocks

(ETFs, mutual funds and variable annuities)

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IN 2022, THE S&P FELL 18% & THE NASDAQ FELL 33%

Two of the largest US mutual funds, the **American Funds Growth Fund** and **Fidelity's Blue Chip Growth Fund**, failed to protect investors' capital. **They lost even more than the S&P 500.**



PASSIVE INVESTING IS VERY RISKY

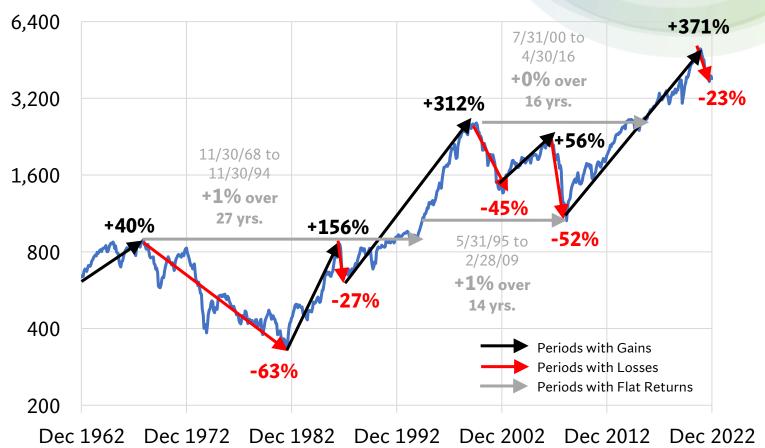
THE S&P 500 HAS HAD LONG PERIODS WITH POOR RETURNS OR NO RETURNS

- 1) The 60 years from 1962 to 2022 delivered investors a 3.03% annual rate of return, adjusted for inflation.
- In the 16 years from 11/30/68 to 7/31/82, the S&P 500 fell -63%.
- 3) In the 18 years from 7/31/82 to 7/31/00, the S&P rose 12.0% annually.
- 4) In the 9 years from 7/31/00 to 2/28/09, the S&P fell -59%.
- 5) In the 13 years from 2/28/09 to 11/30/21, the S&P rose 12.9% annually.
- 6) In the 13 months from 11/30/21 to 12/31/22, the S&P fell -23%.
- In the 27 years from 11/30/68 to 11/30/94, the S&P 500 rose only 1%.
- In the 14 years from 5/31/95 to 2/28/09, the S&P 500 rose only 1%.
- 9) In the 16 years from 7/31/00 to 4/30/16, the S&P 500 made 0%.

Dividends are assumed to pay for fees and taxes. Inflation data is provided by the Bureau of Labor Statistics. S&P 500 data is provided by Robert Shiller, a Ph.D. from Yale.

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S&P 500: 1962-2022, Adjusted for Inflation



INVESTORS IN 2000 MADE ONLY 6% AFTER 16 YEARS OF PASSIVE INVESTING IN THE NASDAQ



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ERS'S SOLUTION

EQUITY RISK SCIENCES' Risk Ratings

help asset managers protect and grow capital *safer, faster, more consistently and more profitably*.

EQUITY RISK SCIENCES employs mathematics and data science to measure the probability and magnitude of future price gains or losses.

Nine years ago, we began building a technology platform to provide daily stock ratings for over 16,000 US and Canadian operating companies.

The following pages provide evidence of the accuracy, reliability and value of ERS's proprietary institution-ready ratings.

EQUITY RISK SCIENCES, INC

ERS's SOLUTION:

RISK RATINGS THAT ALERT INVESTORS TO POTENTIAL GAINS AND LOSSES

Proprietary

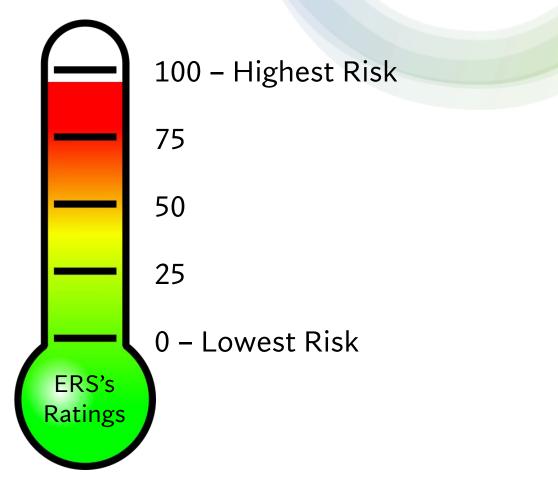
Employs scientific methods to identify, quantify and rate the financial and valuation risks for US and Canadian stocks

Data Science

ERS turned 10 billion financial data points into easy to understand and deploy accurate investment risk ratings to reduce the risk of loss.

Effective

Stocks with ERS's **Lower Risk** Ratings outperform stocks with ERS's **Higher Risk** ratings in most periods across most timeframes.



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Problem: In the past 3 years, these 200 companies lost an average of 66%. **Solution:** ERS's **4D Rating**[™]

These 200 stocks had a very risky rating of 81 (on a scale of 0 to 100) ... before they fell.

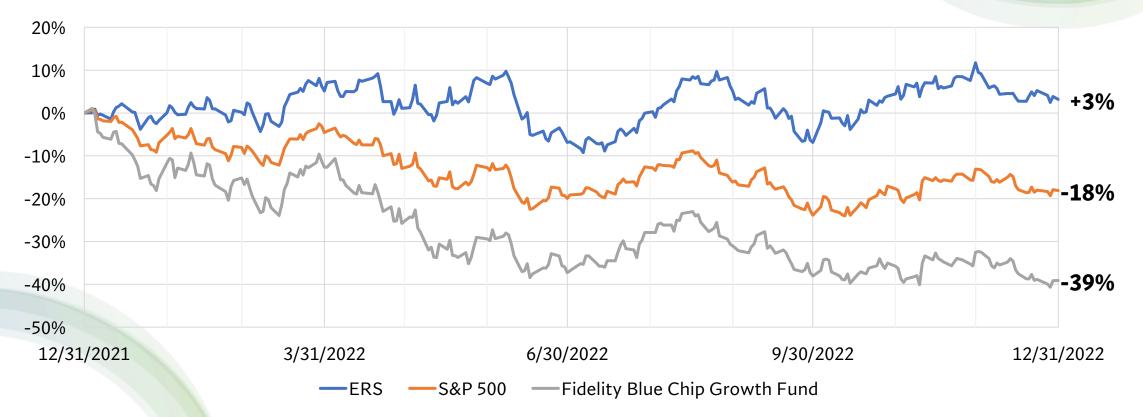
10x Genomics: -82%	3M: -38%	Accenture: -35%	Adobe: -51%	Advance Auto : -37%	Affirm Hldgs: -94%	Agora: -96%	Airbnb: -61%
Alcoa Corp: -52%	Algonquin Pwr.: -57%	Alibaba: -72%	Alphabet: -41%	Alteryx: -72%	Amazon: -55%	AMC Enter'tn: -93%	AMD: -47%
America Great H.: -99%	American Air.: -51%	AMTD: -99%	Applied Mats.: -41%	Arrival: -99%	Athena Bitcoin: -99%	Autodesk: -45%	Avis Budget: -54%
Babylon Holdings: -98%	Baidu: -66%	Ball: -47%	Bausch: -82%	Baxter Int'l: -44%	Beyond Meat: -94%	Black & Decker: -64%	BlackBerry: -87%
Blackstone: -48%	Block: -78%	Boeing: -45%	Boston Beer: -75%	Boston Prop.: -48%	Bright Health: -96%	Capital One: -46%	CarMax: -61%
Carnival: -84%	Carvana: -99%	Celanese: -38%	Charles River: -52%	Charter: -59%	Chewy: -69%	China Evergrande: -99%	Citigroup: -38%
Cleveland-Cliffs: -51%	Clorox: -37%	Cognizant: -38%	Coinbase: -90%	Comcast: -42%	ContextLogic: -98%	Credit Suisse: -79%	Crocs: -40%
Denali Thera.: -70%	Dentsply Sirona: -53%	DiDi Global: -81%	DISH Network: -70%	DocuSign: -82%	DoorDash: -80%	Doximity: -67%	Eargo: -99%
Eastman Chemical: -34%	Etsy: -60%	Evergrande: -89%	Exact Sciences: -68%	Expedia: -59%	Farfetch: -94%	FedEx: -44%	First Republic: -45%
Five9: -68%	Fiverr Int'l: -91%	Floor & Décor: -51%	GameStop: -79%	Gap: -67%	Garmin: -46%	Generac: -80%	General Motors: -49%
Getty Images: -84%	Ginkgo Bioworks: -89%	GitLab: -65%	Grab Holdings: -64%	GSK PLC: -38%	Guardant: -85%	Hasbro: -37%	Hertz Global: -56%
HubSpot: -66%	IDEXX Labs: -42%	Intel Corp: -58%	Int'l Paper: -43%	Intuit: -44%	IPG Photonics: -63%	iQIYI: -82%	James Hardie: -56%
JD.com: -46%	Kinross Gold: -57%	Lenovo: -46%	Levi Strauss: -47%	LifeStance: -83%	Lincoln National: -58%	Logitech: -54%	Lucid Group: -88%
Luckin Coffee: -56%	Lumen Tech: -62%	Lyft: -84%	Macy's: -43%	Magna Int'l: -44%	Marvell Tech: -59%	Match Group: -76%	Medtronic: -40%
Meta Platforms: -69%	Micron Tech: -48%	MicroStrategy: -89%	Moderna: -63%	Mohawk: -56%	Monday.Com: -73%	MongoDB: -66%	Morningstar: -37%
NetApp: -36%	Netflix: -57%	Newegg: -98%	Newell Brands: -52%	Newmont: -43%	Nomura Resch.: -47%	NVIDIA: -56%	Oak Street Hth .: -67%
Okta: -75%	OneConnect: -98%	Ontrak: -100%	Palantir Tech: -84%	Palo Alto: -33%	Paramount: -82%	PayPal: -77%	Peloton: -95%
PENN Enter'tn: -78%	Pinduoduo: -60%	Pinterest: -73%	Plug Power: -82%	Qualcomm: -41%	Repligen: -48%	Revlon: -98%	RH: -64%
Rivian Auto: -89%	RLX Tech: -92%	Robert Half: -40%	Robinhood: -88%	Roblox: -79%	Roku: -92%	Salesforce: -57%	SAP SE: -37%
Scotts Miracle Gro: -80%	Sea: -86%	Seagate Tech: -52%	SentinelOne: -81%	ServiceNow: -45%	Shopify: -79%	Signature Bank: -68%	Skillz: -99%
SmileDirectClub: -98%	Snap: -89%	Snowflake: -64%	Sony Group: -41%	Southwest Air: -47%	Splunk: -61%	Spotify Tech: -78%	Sunrun: -75%
Taiwan Semi.: -46%	Target: -41%	Teladoc Health: -92%	Tesla: -69%	Toast: -72%	Toyota: -34%	Trade Desk: -60%	Trex: -70%
Twilio: -89%	Tyson Foods: -36%	Uber: -61%	UiPath: -85%	Under Armour: -62%	Unity Software: -86%	VF Corp: -69%	Volkswagen AG: -47%
Vroom: -99%	Walt Disney: -57%	Wayfair: -90%	WB Discovery: -64%	Western Digital: -59%	Western Union: -44%	Whirlpool: -41%	Williams-Son .: -47%
Wix.com: -78%	Workday: -44%	XP: -70%	Zebra Tech: -58%	Zillow: -85%	Zoom: -88%	ZoomInfo: -61%	Zscaler: -70%

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IN 2022, ERS'S TECHNOLOGY SOLUTIONS MADE INVESTING SAFER AND MORE REWARDING

ERS's technology identified stocks that rose when most funds did not.

Avoiding and reducing losses is the surest way to compound gains and improve performance. Protecting capital from substantial losses is one of ERS's most valuable benefits.



ERS selected the 100 US companies with the best 4D Ratings[™] on 12/31/2021 with a market cap over \$100 million.

EQUITY RISK SCIENCES, INC

1 YEAR RESULTS USING ERS'S 4D RATING™

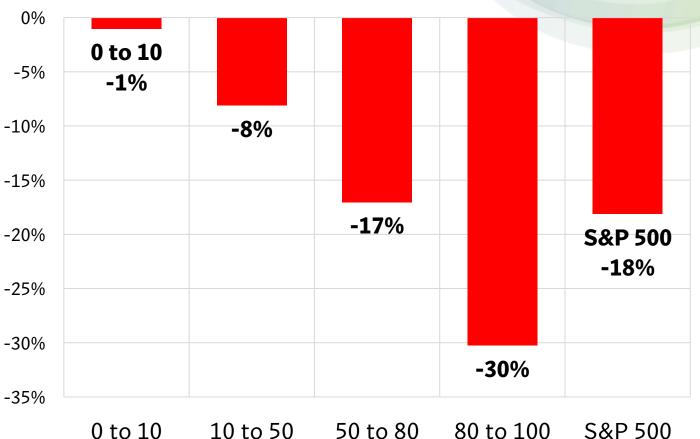
12/31/2021 то 12/31/2022

1-year price changes on 7,920 companies based on ERS's 4D Rating[™] between 12/31/21 and 12/31/22.

On 12/31/21, 7,920 companies had a market cap over \$100 million. These stocks were divided into four groups based on their **4D Ratings™** on 12/31/21. Only 170 stocks had a **4D Rating™** less than 10; these stocks lost only 1%, while the S&P 500 index lost 18%. The stocks with the worst **4D Ratings™** fell much more than the S&P 500.

4D Rating™	# Co's	Avg 1-Year Return
0 to 10	170	-1%
10 to 50	2,260	-8%
50 to 80	2,139	-17%
80 to 100	3,351	-30%
S&P 500		-18%

Conclusion: In this period, ERS's 4D Risk Ratings[™] were highly reliable.



1-Year Total Return 12/31/2021 to 12/31/2022

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2 YEAR RESULTS USING ERS'S 4D RATING[™]

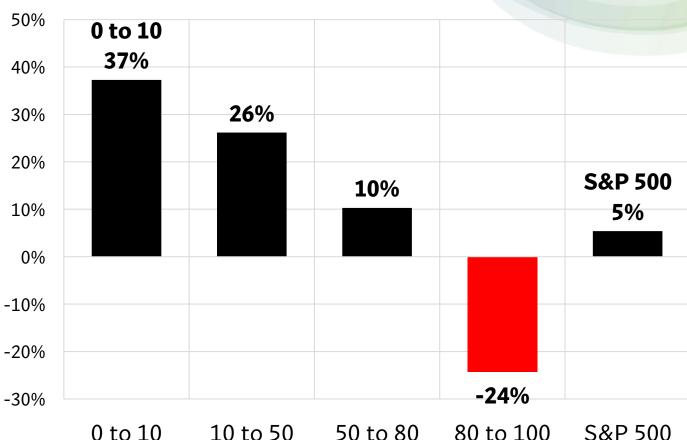
12/31/2020 то 12/31/2022

2-year price changes on 6,488 companies based on ERS's 4D Rating[™] between 12/31/20 and 12/31/22.

On 12/31/20, 6,488 companies had a market cap over \$100 million. These stocks were divided into four groups based on their **4D Ratings™** on 12/31/20. Only 95 stocks had a **4D Rating™** less than 10; these stocks rose 37%, while the S&P 500 index only rose 5%. The stocks with the worst **4D Ratings™** fell 24%, performing much worse than the S&P 500.

4D Rating™	# Co's	Avg 2-Year Return
0 to 10	95	37%
10 to 50	2,021	26%
50 to 80	1,750	10%
80 to 100	2,622	-24%
S&P 500		5%

Conclusion: In this period, ERS's 4D Risk Ratings[™] were highly reliable.



2-Year Total Return 12/31/2020 to 12/31/2022

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3 YEAR RESULTS USING ERS'S 4D RATING™

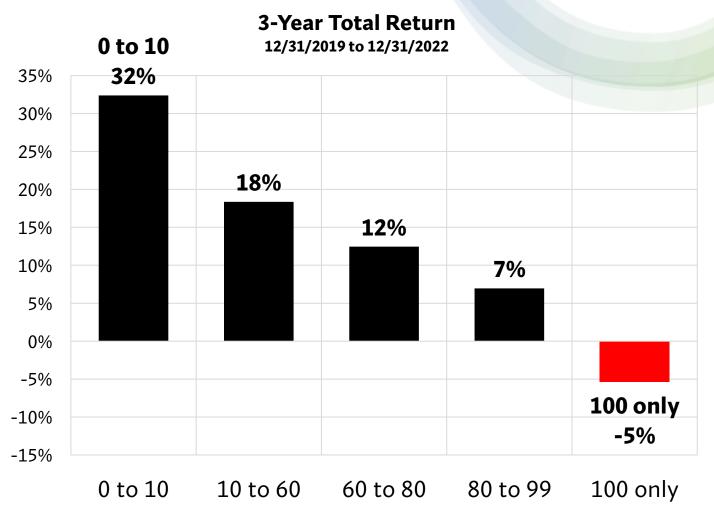
12/31/2019 то 12/31/2022

3-year price changes on 5,580 companies based on ERS's 4D Rating[™] between 12/31/19 and 12/31/22.

On 12/31/19, 5,580 companies had a market cap over \$100 million. These stocks were divided into five groups based on their **4D Ratings™** on 12/31/19. Only 117 stocks had a **4D Rating™** less than 10; these stocks gained 32%, while the S&P 500 index only gained 25%. The stocks with the worst **4D Ratings™** rose much less than the S&P 500.

4D Rating™	# Co's	Avg 3-Year Return
0 to 10	117	32%
10 to 60	2,892	18%
60 to 80	805	12%
80 to 99	318	7%
100 only	1,448	-5%
S&P 500		25%

Conclusion: In this period, ERS's 4D Risk Ratings[™] were highly reliable.



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5 YEAR RESULTS: ERS'S 4D RATING[™] WAS EFFECTIVE IN IDENTIFYING THE POOREST- AND BEST-PERFORMING COMPANIES 12/31/2017 TO 12/31/2022

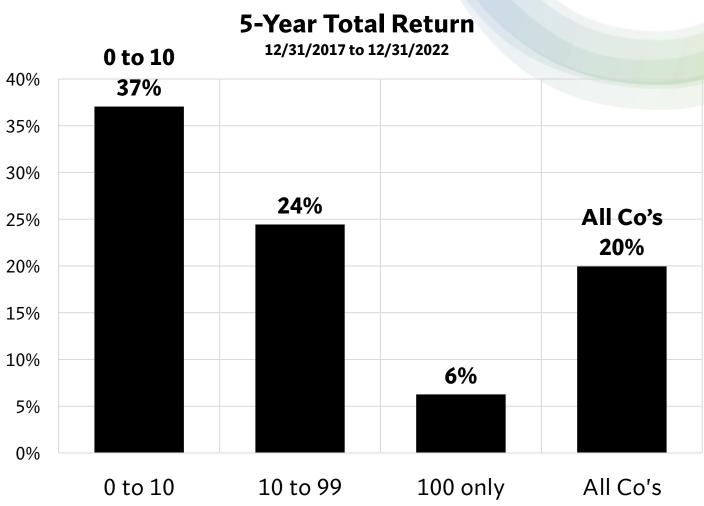
5-year study of price changes on 5,023 stocks between 12/31/17 and 12/31/22 based on ERS's 4D Rating™.

On 12/31/17, 5,023 companies traded in the US with ² a market cap over \$100 million.

This study demonstrates that companies with the worst **4D Ratings™** rose much less than both the best-rated companies and the average of all the companies.

4D Rating™	# Co's	Avg 5-Year Return
0 to 10	65	37%
10 to 99	3,672	24%
100 only	1,286	6%
All Co's	5,023	20%

Conclusion: Companies with ERS's worst 4D Ratings[™] underperformed both the average stock and stocks with ERS's best ratings.

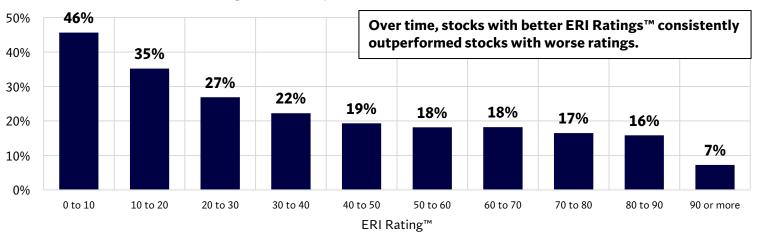


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ERS'S BREAKTHROUGH TECHNOLOGY HAS BEEN TESTED OVER THREE DECADES

Average 2-Year Buy-and-Hold Return over 32 1/2 Years

Reliable Risk Ratings



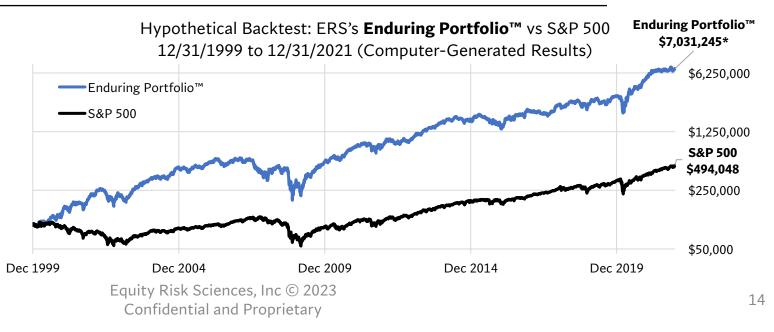
Stocks with lower **ERI Ratings**[™] performed better than stocks with higher **ERI Ratings**[™] in 2-year buy-and-hold tests across more than 330,000 ratings from 1988 to 2019.

Time-Tested Portfolios*

ERS's **Enduring Portfolio™** strategy generated total wealth 14 times greater than passively holding the S&P 500.

*Equity Risk Sciences' hypothetical backtested examples are provided as illustrative examples and do not represent the performance of actual client portfolios. No fees or transaction costs were included in this study.

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EQUITY RISK SCIENCES HAS BUILT A WORLD-CLASS INVESTMENT TECHNOLOGY SUITE OF TOOLS

Confidential and Proprietary

ERS has created a powerful research suite of tools.

ERS's investment research tools allow us to test existing strategies and create new ones to produce superior performing portfolios.

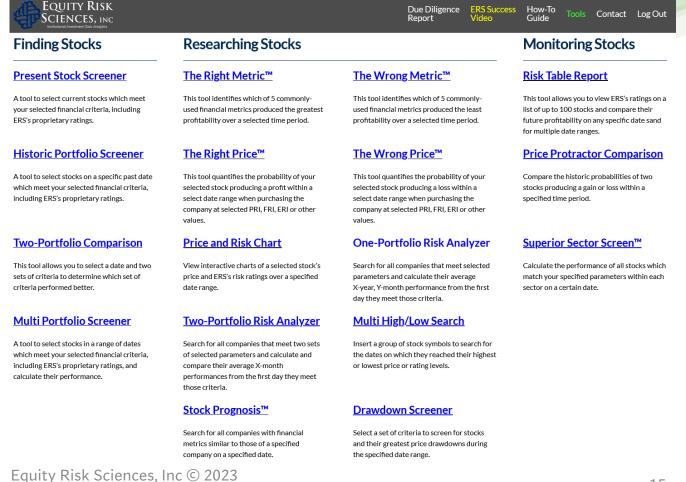
The algorithms behind ERS's Risk Ratings are the company core assets. With capital, ERS will implement available legal and technology security safeguards to protect our IP from "bad actors".

When our IP is protected, ERS will monetize the ratings by building and marketing our proprietary **Alpha Directions™** technology.

In 2023, ERS will also focus on creating joint ventures and strategic partnerships with major financial institutions in North America and Europe.

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This screenshot illustrates a portion of the risk evaluation technologies ERS has built.



15

THE ERS OPPORTUNITY

Asset management is a \$50 trillion business. **We know our competition; we intend to take their customers.**

> First, we're going after customers of companies like Value Line and Morningstar.

What Are The Stakes?

Value Line's market cap is \$500 million. Morningstar's market cap is \$10 billion.



ERS IS BUILDING A WORLD-CLASS FIRM. ARE YOU INTERESTED IN LEARNING MORE?

For more information, please call or email our president, Ray Mullaney.

Ray@ERS.ai

6828 Post Road, Suite 3E North Kingstown, RI 02852 (401) 450-4040

243 Tresser Blvd, 17th Floor Stamford, CT 06901 (203) 254-0000



Company Profile:www.EquityRiskSciences.comTechnology Profile:www.ERSSuccess.com

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Forbes

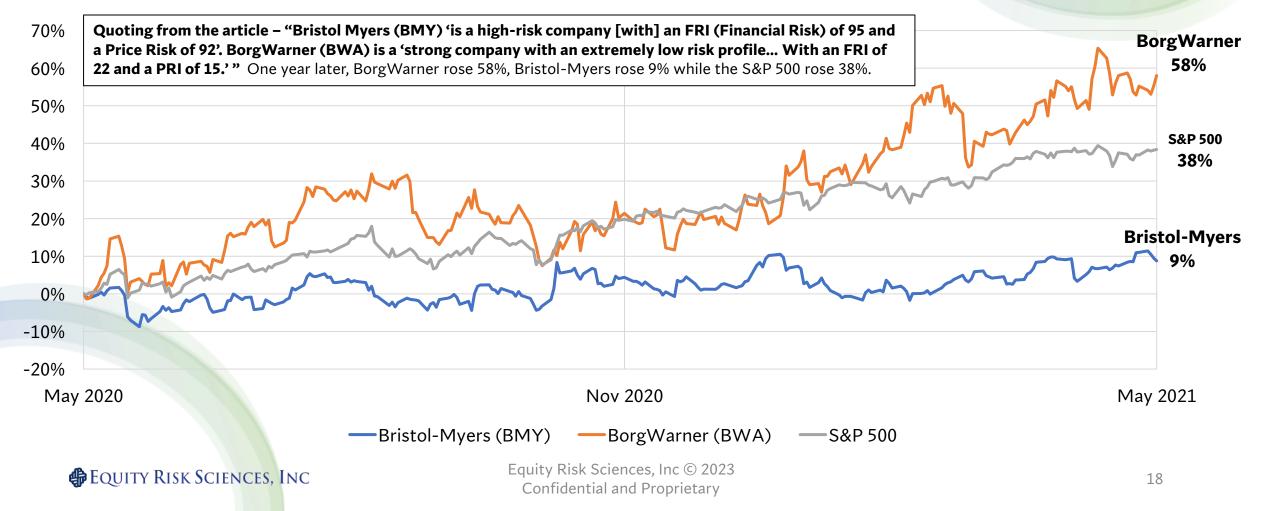
Research Firm: Market's Risk Is Phenomenally High, 2nd Dive

Likely Lawrence Carrel Contributor © I'm a journalist who covers finance and investing.

May 27th, 2020:

Ray was interviewed by Forbes to learn about ERS's technology. The full article can be seen <u>online here</u>. Ray was asked "what company does your technology identify as 'very strongest' and what big company was overpriced and risky". ERS's rating for Borg Warner was exceptionally strong and ERS's rating for Bristol Myers was very risky. This chart shows their 12-month performance from the date of the interview.

Compare the Price Performance of BMY with BWA – 5/27/2020 to 5/27/2021





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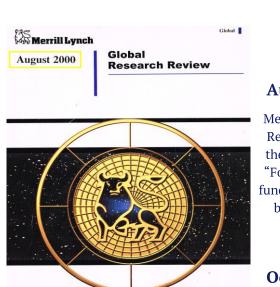
GE AND CISCO - 3/27/2000 TO 3/5/2009



GE and Cisco's Market Caps, 3/27/00 to 3/5/09

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PREDICTING GE AND CISCO'S PRICE COLLAPSE IN 2000



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1982 • Ray incorporated his first

research firm in 1982.

August 2000 •

Merrill-Lynch's "Global Research Review" placed GE and Cisco on their most highly-recommended "Focus List". Every major mutual fund owned them, and every major brokerage firm recommended their purchase

October 2000 -

Three weeks after Mr. Mullaney's reports, Barron's featured a major report about Cisco's accounting practices by the esteemed Abraham J Briloff, Ph.D., CPA.

• 1976

Ray began studying financial statements

-• Spring 2000

Ray began research on the accounting practices of the 2 largest and most widely held companies in the US, GE and Cisco Systems.

• September 2000 Ray submitted reports to the SEC alleging GE and Cisco had produced "misleading earnings" and "potential fraud".

• Early 2001

GE & Cisco's malpractices had caught up to them. The S&P 500 was down -21% and Cisco had fallen -75%.





WHEN GE & CISCO WERE THE HOTTEST STOCKS ON WALL STREET MR. MULLANEY PROVIDED REPORTS TO THE SECURITIES EXCHANGE COMMISSION ALLEGING GE AND CISCO MANIPULATED EARNINGS



UNITED STATES SECURITIES AND EXCHANGE COMMISSION 450 Fifth Street, N.W Washington, D.C 20549

DIVISION OF ENFORCEMENT

> Mr. Roy Mullaney Fax No. 410-280-2029

Dear Mr. Mullaney:

I am writing to confirm our phone conversation yesterday and to acknowledge receipt of your September 29 and October 4, 2000 faxes relating to Cisco Systems. In our conversation you provided information relating to potentially misleading earnings statements by Cisco Systems and transfers of large dollar amounts from insurance subsidiaries of General Electric to G.E. Capital. The Securities and Exchange Commission ("Commission") appreciates receiving information from members of the public concerning possible violations of the federal securities laws and will give serious consideration to the information you have provided.

However, as I informed you, the Commission conducts investigations into allegations of violations of the federal securities laws on a confidential basis. Therefore, the staff does not comment on whether the informanon provided to the Commission relates to an ongoing investigation or provide assurances that an investigation will be initiated.

Let me know if I can be of further assistance.

Sincerely,

Susan A. Mathew

Senior Counsel

EQUITY RISK SCIENCES, INC

INVESTMENT OF \$10,000 IN APPLE, AMAZON AND MEDIFAST JUN 27, 2002 - SEP 12, 2018

