

*The way you manage risk is special
EDS makes it scalable*

A MODERN PLATFORM FOR FUNDAMENTAL INVESTING

Integrate Risk into Your Investment Process

Investors are demanding more from their risk systems, but today's platforms are inflexible and siloed. EDS breaks free of the traditional mold to provide a modern approach to risk: "a best-in-class" platform, robust configurability and the ability to maximize risk processes through deep integration with idea generation and portfolio construction.

With EDS, your team is more prepared and proactive:

Asset selection / alpha vs. common factors -growth, momentum, size, leverage, quality, macro, sectors etc.

Exposure, risk attribution and performance attribution across any model, index, sector, strategy, portfolio manager, analyst, etc.

Reporting that is configurable and able to handle multiple portfolios, asset classes & indices

Add MSCI Barra, Wolfe Factors, ESG, Crowding and/or any vendor to EDS. Bring your own factors.

A dedicated quant team assigned to your account



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Fund	Grp	Annual Volatility	4.5%
Model	GEMTLT	Daily Volatility	0.09%
95% VAR	7.44%		



Volatility, % Contribution by Factor Group

Factor Type	Factor Group	Initial Exposure	Current Exposure	Exposure Change	Initial Volatility	Current Volatility	Volatility Change	Current % of Total Volatility
Asset Select...	Asset Selection	2.10%	2.80%	0.60%	2.10%	2.80%	0.60%	27%
Common Factors	Market	7.53%	11.19%	3.66%	0.94%	2.36%	1.41%	27%
Risk Indices	Risk Indices	31.00%	8.80%	-21.00%	0.64%	1.80%	1.11%	19%
Industries	Industries	7.52%	11.22%	3.70%	1.42%	1.90%	0.50%	18%
Countries	Countries	5.38%	10.55%	5.17%	0.19%	0.60%	0.41%	2%
Currencies	Currencies	7.53%	11.19%	3.66%	0.10%	0.31%	0.19%	0%
Grand total		61.00%	56.70%	-4.30%	2.89%	4.53%	1.69%	100%

Volatility, % Contribution by Factor

Factor Group	Factor Name	Initial Exposure	Current Exposure	Exposure Change	Initial Volatility	Current Volatility	Volatility Change	Current % of Total Volatility
Risk Indices	Beta	9.80%	19.91%	10.11%	0.60%	1.80%	1.20%	6.4%
	Long-Term Revert...	-4.80%	-17.00%	-12.20%	0.13%	0.06%	-0.08%	0.1%
	Liquidity	6.80%	5.79%	-1.07%	0.23%	0.49%	0.26%	1.2%
	Momentum	9.90%	-11.00%	-20.90%	0.30%	0.49%	0.19%	1.2%
	Growth	5.90%	-10.90%	-16.80%	0.00%	0.00%	0.00%	0.0%
Earnings Yield		-6.24%	-7.55%	-1.31%	0.00%	0.39%	0.24%	0.5%
Dividend Yield		-20.37%	-15.93%	4.44%	0.27%	0.32%	0.05%	0.5%
Leverage		-8.25%	-8.70%	-0.45%	0.04%	0.21%	0.17%	0.2%
Earnings Quality		12.26%	10.35%	-1.91%	0.10%	0.14%	0.00%	0.1%
Mid Capitalization		0.09%	1.39%	1.10%	0.00%	0.00%	0.00%	0.0%
Earnings Variability		13.02%	1.37%	-11.65%	0.19%	0.00%	-0.19%	0.0%
Investment Quality		-5.43%	2.81%	8.24%	0.10%	-0.14%	-0.24%	0.1%
Size		5.32%	3.92%	-1.40%	0.06%	-0.19%	-0.25%	0.2%
Book-to-Price		-13.73%	-10.82%	2.91%	0.06%	-0.27%	-0.32%	0.3%
Profitability		26.85%	24.12%	-2.75%	-0.14%	-0.35%	-0.21%	0.6%
Residual Volatility		0.02%	-0.23%	-0.45%	0.00%	-0.62%	-0.66%	-3.3%

Growth Exposure by Stock

Ticker	Name	End Date Exposure	Start Date Exposure	Exposure Change	Start Date Sensitivity	End Date Sensitivity	Start Date % Equity	End Date % Equity	End Date...
AMZN-USA	Amazon.com, Inc.	5.18%	6.00%	-0.21%	1.75	1.67	3.48%	3.53%	0.23%
HAL-USA	Halliburton Company	6.11%	-3.04%	7.15%	-1.86	1.89	1.89%	2.42%	0.09%
GE-USA	General Electric Company	2.80%	-1.80%	4.64%	-0.73	1.20	2.36%	1.11%	0.17%
ODFL-USA	Old Dominion Freight Line, Inc.	1.81%	-0.15%	2.07%	-0.08	0.61	2.01%	3.13%	0.18%
GS-USA	Goldman Sachs Group, Inc.	1.86%	0.07%	1.29%	-0.36	-1.00	-1.59%	-1.87%	0.12%
JNJ-USA	Johnson & Johnson	1.82%	1.00%	0.47%	-0.48	-0.69	-2.18%	-2.39%	0.04%
CAT-USA	Caterpillar Inc.	1.14%	-1.87%	3.00%	-0.72	0.37	2.60%	3.11%	0.19%
JPM-USA	JPMorgan Chase & Co.	0.96%	0.45%	0.51%	-0.14	-0.39	-3.24%	-2.46%	0.11%
GD-USA	General Dynamics Corporation	0.88%	0.85%	0.35%	-0.18	-0.26	-0.91%	-0.43%	0.36%
TGT-USA	Target Corporation	0.73%	0.07%	0.66%	0.03	0.27	2.50%	1.87%	0.16%
PG-USA	Procter & Gamble Company	0.65%	0.43%	0.22%	-0.37	-0.56	-1.17%	-1.17%	0.04%
BBY-USA	Best Buy Co., Inc.	0.64%	0.57%	0.07%	-0.19	-0.21	-3.09%	-2.60%	0.11%
TSM-USA	Taiwan Semiconductor Manufact...	0.62%	0.40%	0.17%	0.26	0.23	1.36%	1.90%	0.10%
WFC-USA	Wells Fargo & Company	0.50%	0.36%	0.19%	-0.26	-0.62	-1.36%	-0.90%	0.11%
QCOM-USA	Qualcomm Incorporated	0.50%	-1.76%	2.31%	-0.89	0.21	1.99%	2.61%	0.25%
BBK-USA	Bank of America Corporation	0.52%	0.20%	0.32%	-0.84	-1.41	-1.45%	-0.37%	0.25%
LMT-USA	Lockheed Martin Corporation	0.51%	-0.46%	0.96%	0.32	-0.36	-1.42%	-1.42%	0.04%

POWERFUL EXPOSURE AND RISK DECOMPOSITION ANALYTICS

- Any model, any vendor, integrated in one dashboard. Talk to our partners, including MSCI and Wolfe about their EDS experience.
- From top down risk and exposure, peel the layers back to individual contributors, in a few clicks.
- One-click simulation/optimization – ideal for analysts, traders and PMs.
- Isolate risk components, such as asset selection (idio), factors, industries, etc. Drill down in one click for further details.
- Best-in-Class Configurability – switch between funds, models & strategies, bring in internal data or custom formulas, tailor to each team. Limited only by your exact requirements.

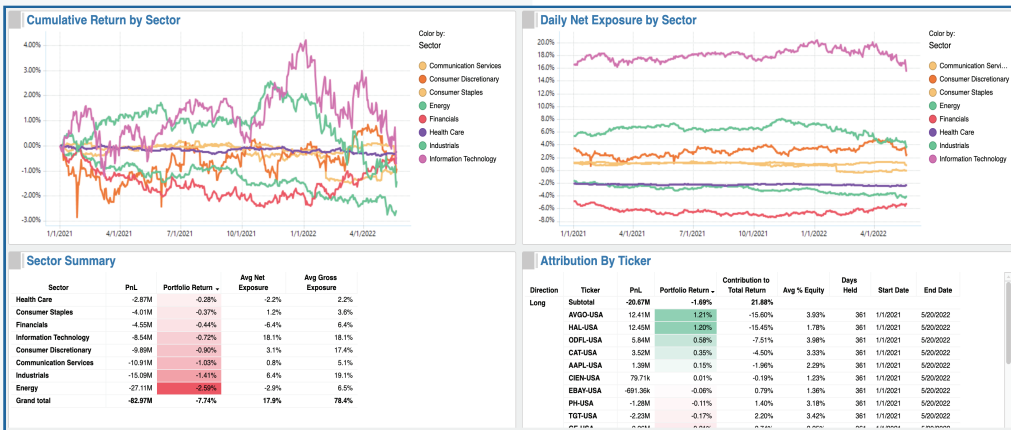
WHAT IS INTEGRATED RISK AND WHY IS IT IMPORTANT

- Become more proactive by adding factor and/or risk exposure as an input for investment research and decisions.
- Optimize position sizing based on risk, performance or exposure metrics, such as volatility, sector and/or factor profiles.
- Understand what you are buying and what you are exposed to, before investing.
- Allocate resources to the right teams – who is contributing or detracting from performance or risk – understand where the difference is coming from.
- Understand how much of your risk comes from things you don't control.
- Add ESG as an input in the decision process.
- Identify mismatches and opportunities more effectively by bringing exposure, risk & performance attribution into the portfolio dashboards.

Working with EDS is like having a full quant team on staff to support your fundamental research process...only faster, more efficient, and more reliable. Table stakes for a new era of investing.

- Multi-Billion Dollar Tiger Cub

ATTRIBUTION THAT GOES FAR BEYOND TYPICAL SOLUTIONS



EDS provides an integrated approach to performance attribution, helping teams utilize risk inputs to influence and enhance their investment process.

- Analyze how each strategy, position or team member is impacting the portfolio across any time-frame.
- Isolate and optimize your risk & across any macro, industry and individual style factors.
- Customized performance /marketing tearsheets for your investors.
- Monitor the performance & risk that comes from asset selection vs. common factors.
- Intra-day analysis can help you to better understand market action.
- Create any risk or attribution analysis – by analyst, geography, hit ratios, sortino, sharpe, etc.
- Brinson analysis decomposes the active return of any portfolio into asset allocation, stock selection, and interaction effect.
- Stress testing that is high performance, configurable and easy-to-use.

Other solutions start after you've made the trade, and only look at the end result, not the reasons behind it. With EDS, your team captures all intelligence and helps you leverage your strengths and cure your blind spots.

"What stood out to me, as I am putting this into practice with the fundamental team, is in this recent dislocation, the majority of the toolbox was not relevant, it was useless, there was no phone call you could have made to a mgt. team or no data input you could get that would explain why a stock was moving and when you should be buying or selling. But these FACTOR tools from MSCI and EDS provide a level of context, a new way of looking at things, that is historically relevant. You can get a sense for "where am I on the risk or probability spectrum."

Jonathan Neitzell – Anduril Partners