PRODUCT BRIEF

KlarityRisk

KlarityRisk Paragon

EFFICIENT RISK MANAGEMENT PROCESS:

> Access a comprehensive list of risk and risk-vs-performance metrics.
> Scrutinize the sources driving the risk exposure of your portfolio
> Implement custom market Stress Testing scenarios based on your unique insights
> Incorporate the cost of risk to the strategic capital allocation process
> Control your risk-budgeting utilizing the granular set of risk limits
> Automate your risk management framework to become fully automated with the KR Paragon

MAKE INFORMED DECISIONS - INCORPORATE RISK ANALYTICS INTO YOUR ADVENT PORTFOLIO PERFORMANCE MANAGEMENT PROCESSES!

There has been almost a decade since the latest, globally spread financial crisis burst out in late 2008. Adverse experiences have led market participants to incorporate more robust risk management frameworks into their portfolio management processes in order to be able to effectively address any significant risks that could affect portfolio performance and client-trusted investments.

Key Features

> **Robust Risk Modelling:** All the widely-used ***VaR models*** have been incorporated and are completely configurable to meet the user's demands. Use ***Risk Decomposition*** to conduct in-depth analysis of the portfolio's risk performance and identify the impact every risk factor has on the total risk exposure.

> **Ex-Post & Ex-Ante Risk Monitoring:** KlarityRisk allows the user to take advantage of both ***Ex-Post and Ex-Ante risk & risk-vs-performance*** related metrics in order to ensure that risk factors are appropriately captured for the portfolio exposure.

> **Ad-Hoc Analytics:** Apply ***Stress Test*** scenarios to your portfolio and identify how your portfolio would perform in adverse market conditions. Re-structure your portfolio/strategy via ***What-If Analysis*** and see how your intuition for amending the capital allocation would affect the portfolio risk performance using ex-ante metrics.

> **Fixed Income Attribution:** Advanced Fixed Income Attribution modelling that provides the ability to quantify the impact of active management decisions to the portfolio's performance

> **Limits:** Set ***Risk limits*** on a portfolio or strategy level in order to get notified as soon as there is a breach to your levels of comfort.

> **Automation:** All KlarityRisk solution's executions can be set to run automatically at a predefined time slot. Hence, a complete set of information is ready to be used by the portfolio manager in an instance

Eventually, in the modern portfolio management theory, the term **"Risk Adjusted Decision Making"** has been introduced and followed by many practitioners. Every decision made by the fund manager will have an impact on the portfolio performance.
Therefore, in the current environment, where leading organizations go a step beyond the conventional risk management applications and embody the risk assessment processes to the core of the decision making framework, KlarityRisk has developed a comprehensive risk-based, award-winning platform to address the increased requirements of the market Participants, easily integrated with your solution.

www.klarityrisk.com

KlarityRisk

Incorporate Risk Analysis & Assessment into Your Portfolio Management Processes

WHEN RISKS HAVE BEEN ESTIMATED, IF CRISIS CONDITIONS ARISE, PERFORMANCE COULD BE MANAGED FOR THE BENEFIT OF THE CLIENTS.

- > Utilize Paragon Dashboards and Reports to combine portfolio data with ex-post and ex-ante analytics for 360° views of your investments.
- > Utilize KR Paragon Scheduler to automate input or reports creation to be delivered directly to portfolio manager desk.

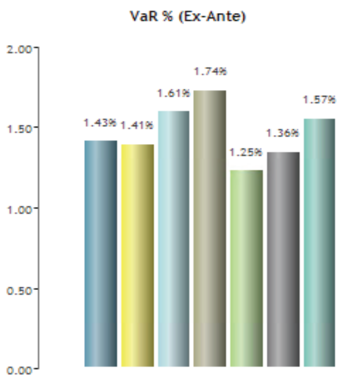
Consolidated Risk Exposure

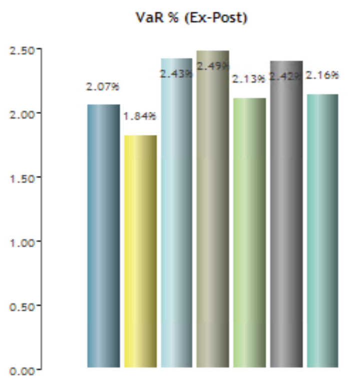
Portfolio: @MultiStrategy | BenchMark Code: TR-Equity-US-Ind
Evaluation Date(s): 11/21/2018

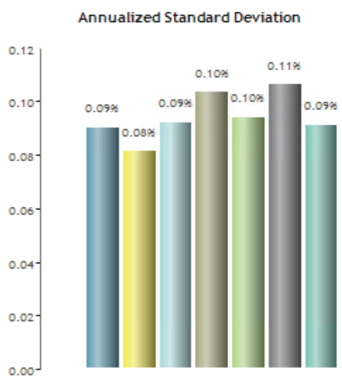
Post Evaluation Profile: Historical-99% | Ante Evaluation Profile: Monte-Carlo-99%
Evaluation Currency: us - US Dollar

Portfolio Code	MV	VaR % (Ex-Ante)	VaR % (Ex-Post)	Tracking Error	Annual ST.Dev	Annual Mean	Skewness	Kurtosis	Sortino	Sharpe
CapitalGrowth	4,395,504.64	1.4277	2.0745	0.1052	0.0913	0.0262	-0.6393	3.1409	2.5626	0.1779
CoreBalanced	9,198,943.34	1.4092	1.8418	0.1026	0.0823	-0.0098	-1.0326	4.6215	-3.3465	-0.2401
DiversifiedAlternatives	4,816,739.86	1.6131	2.4328	0.0900	0.0931	0.0115	-0.9764	4.6964	0.2274	0.0160
InflationProtected	5,930,408.42	1.7440	2.4944	0.0771	0.1045	0.0539	-1.1025	4.7365	5.7921	0.4201
MinVolEquity	6,719,455.20	1.2473	2.1314	0.1104	0.0952	0.0728	0.1616	7.0552	10.2408	0.6599
MinVolEquityUSA	5,685,925.53	1.3632	2.4155	0.1145	0.1073	0.1097	0.2885	8.3931	14.3113	0.9296
ModerateGrowth	8,195,058.42	1.5681	2.1598	0.0801	0.0922	0.0190	-1.3120	6.1894	1.3456	0.0978

Consolidated Group	MV	VaR % (Ex-Ante)	VaR % (Ex-Post)	Tracking Error	Annual ST.Dev	Annual Mean	Skewness	Kurtosis	Sortino	Sharpe
MultiStrategy	44,942,035.41	1.3789	1.8296	0.0876	0.0841	0.0352	-0.9070	4.3963	4.3474	0.2998







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- > Utilize ad-hoc views and reports to respond to market conditions on the fly.
- > Automate regulatory, Investment Committee and Client risk reporting.

Learn more about all our solutions at:
www.klarityrisk.com