Intech® Global Low Volatility

Product summary for institutional investors only

FOCUS ON ACTUAL OUTCOMES
Our approach to low volatility investing begins with your end in mind. You want market-like returns with lower downside risk, not necessarily low volatility stocks. That's what we construct. A low volatility portfolio is not the same as a portfolio of low volatility stocks.

OVERCOME OVERCROWDING
Avoid the oversubscription to conventional or naïve low volatility strategies. We don't depend on anomalies, factors or forecasts; instead, we use stock price volatility to generate low volatility outcomes. This fundamental difference can produce high active share with other implementations.

ADJUST TO MARKET VOLATILITY
Risk regimes aren't static; your low volatility strategy shouldn't be either. Unlike rigid implementations or those that tweak processes based on forecasts and judgment, our approach leverages our 30 years of volatility analysis to systematically adjust beta through risk regimes.

Overview

Intech® low volatility strategies help you control funded status volatility by seeking upside equity market participation and downside protection. We construct these strategies irrespective of a low-volatility anomaly or factor; instead, we focus on low-volatility outcomes.

Investment Platform: Defensive Equity

Benchmark: MSCI World Index

Expected Risk Reduction: Up to 50%

Inception Date: January 1, 2012

Expected risk reduction includes an effort to manage risk relative to a benchmark index, which should not be confused with and does not imply low investment risk or the ability to control risk. It is a long-term annualized forecast gross of fees. Do not consider or rely on it as a performance guarantee. Actual results may vary.

Applications

These strategies may address a wide range of needs:

- Allow for higher equity exposure without increasing risk throughout a target-date glide path
- Reduce the 100% downside capture of cap-weighted passive strategies
- De-risk a well-funded plan while maintaining equity exposure
- Increase equity exposure without increasing equity risk budget
- Avoid index arbitrage and limitations inherent in minimum volatility indexes

Intech®
—JANUS HENDERSON—

Philosophy and Process

An Approach with Real Distinction

We adhere to an investment paradigm that's different than traditional financial economics embraced by most asset managers – both fundamental and quantitative. Our approach is linked to Modern Portfolio Theory, but we base our decision model on observations, not expectations. Our model inputs are observed stock price volatility and correlations. We don't rely on subjective forecasts of markets or individual stocks.

Construct a portfolio more efficient than the benchmark by reweighting its constituents to the optimal proportions for a given risk-return objective.

We believe:

- Equity volatility is an observable and accessible alpha source whether markets are up or down.
- Long-term stability in the distribution of capital allows persistent access to this opportunity.
- Harnessing volatility for risk-adjusted results requires advanced mathematics and programmatic trading systems.

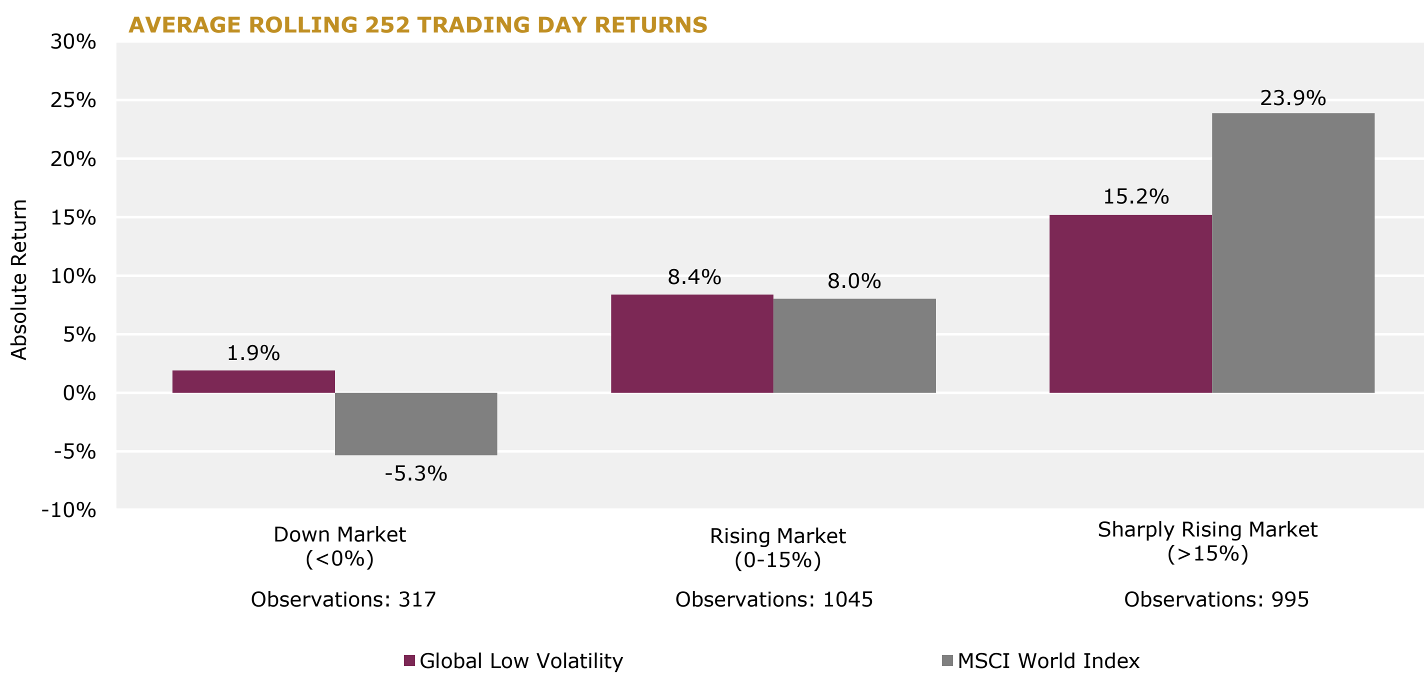
Straightforward Three-step Process

Our Princeton-based investment team applies our approach across a three-step process designed to deliver consistent results over time:

1. **Estimate** volatility and correlations of the stocks in a benchmark.
2. **Optimize** portfolio weights for diversification consistent with our clients' risk-return objectives.
3. **Rebalance** target weights actively and cost-efficiently – seeking trading profit, replenishing diversification, and compounding gains over time.

Performance across different equity market environments

As of December 31, 2021



Performance includes the reinvestment of dividends and other earnings. Data presented gross of fees. Data presented reflects past performance, which is no guarantee of future results. Performance for other accounts may differ from the representative portfolio.

Portfolio Results and Composition

As of December 31, 2021

PERFORMANCE

			Annualized			
	QTD	1 Year	3 Years	5 Years	10 Years	ITD (1/1/12)
Gross of Fees	6.72%	15.80%	14.20%	10.83%	11.05%	11.05%
MSCI World Index	7.86%	22.35%	22.32%	15.64%	13.32%	13.32%
Difference (Gross-Index)	-1.14%	-6.54%	-8.12%	-4.80%	-2.26%	-2.26%
Net of Fees	6.65%	15.51%	13.90%	10.50%	10.69%	10.69%

RISK STATISTICS

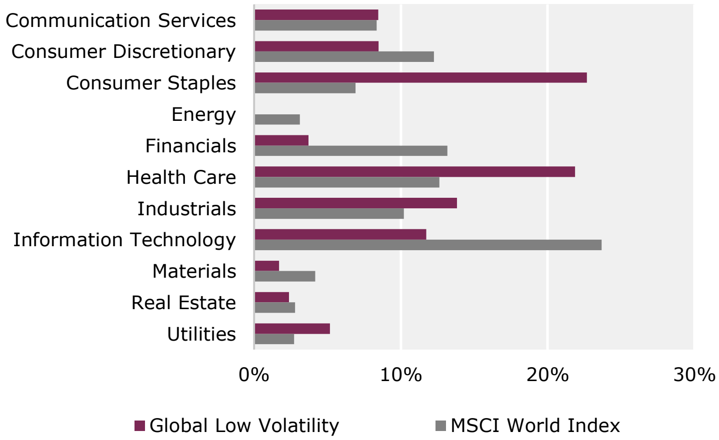
Annualized Since Inception

	Standard Deviation	Volatility Reduction	Sharpe Ratio	Downside Capture	Upside Capture	Correlation
Gross of Fees	9.66%	**27%**	**1.08**	50.78%	64.18%	0.85
MSCI World Index	13.20%	---	0.96	---	---	---

PORTFOLIO CHARACTERISTICS

Characteristics	Global Low Volatility	MSCI World Index
Number of Securities	186	1546
Beta (5 Yr. Historical)	0.66	1.00
R-Squared (5 Yr. Historical)	0.80	1.00
Price/Earnings Ratio (LTM)	31.66	32.54
Dividend Yield (Current)	1.77%	1.63%
EPS Growth (5 Yr. Historical)	10.82%	12.09%
Price/Book Ratio	6.53	6.45
Weighted Average Market Cap	$288.8 B	$468.9 B
Weighted Median Market Cap	$45.4 B	$111.3 B
Overall ESG Score	6.72	6.49
Scope 1+2 Carbon Intensity	149	129

SECTOR EXPOSURES



PORTFOLIO MARKET CAPITALIZATION

Market Cap Range	Global Low Volatility	MSCI World Index
> $100B	33.00%	52.25%
$25B - $100B	42.53%	33.22%
$15B - $25B	12.69%	7.55%
$2B - $15B	11.79%	6.98%
< $2B	0.00%	0.00%
Total	100.00%	100.00%

TOP-TEN PORTFOLIO HOLDINGS

Holdings
Amazon.com, Inc.
Apple Inc.
Copart, Inc.
Geberit AG
KDDI Corporation
Microsoft Corporation
PepsiCo, Inc.
Procter & Gamble Company
Walmart Stores Inc.
Waste Management, Inc.
% of Portfolio: **21.5%**

Source: FactSet/Intech. Source for ESG data: MSCI. Carbon intensity reflects tons of carbon dioxide equivalent per million USD of total revenue. Performance and risk statistics reflect strategy composite. Portfolio characteristics, market capitalization, sector exposures, and/or country exposures reflect strategy representative portfolio. Periods of less than one year are not annualized. Data presented reflects past performance, which is no guarantee of future results. Performance includes the reinvestment of dividends and other earnings. Differences may not agree with input data due to rounding. Portfolio data is as of the date shown and may change at any time. Individual accounts may differ from the representative portfolio. See Presentation Notes for additional information. Defensive Equity strategies tend to underperform the index during periods of strong up markets and may not achieve the desired level of protection in down markets.

About Intech®

Intech® is a specialized global asset management firm that harnesses stock price volatility as a source of excess return and a key to risk control. Founded in 1987 in Princeton, NJ by pioneering mathematician Dr. E. Robert Fernholz, Intech® serves institutional investors across five continents, delivering traditional equity, defensive equity and absolute return investment solutions.

Presentation Notes

Intech® Investment Management LLC ("Intech") is a specialized global asset manager registered under the Investment Advisers Act of 1940 that applies advanced mathematics and systematic portfolio rebalancing to exploit a unique and reliable source of excess returns and risk control – stock price volatility. Intech® is a subsidiary of Janus Henderson Group plc (NYSE: JHG) and is affiliated with its subsidiaries and affiliates. **Past performance cannot guarantee future results. Investing involves risk, including the possible loss of principal and fluctuation of value.** In addition, the proprietary mathematical investment process used by Intech® may not achieve the desired results. Performance results reflect the reinvestment of dividends and other earnings. Portfolio performance results shown are time-weighted rates of return using daily valuation, include the effect of transaction costs (commissions, exchange fees, etc.), and are gross of non-reclaimable withholding taxes, if any. The composite includes all actual fee-paying accounts managed on a fully discretionary basis according to the investment strategy from inception date, including those no longer under management. Accounts meeting such criteria enter the composite upon the full first month under management. For periods of less than one year, performance is not annualized. Reporting currency is USD unless otherwise noted. Intech® claims compliance with the Global Investment Performance Standards (GIPS®). To receive a complete list of composite descriptions and/or GIPS® reports that adhere to the GIPS standards, please contact Intech at Finance@intechinvestments.com. GIPS® is a registered trademark owned by CFA Institute. CFA Institute does not endorse or promote this organization, nor does it warrant the accuracy or quality of the content contained herein.

The gross performance results presented do not reflect the deduction of investment advisory fees. Returns will be reduced by such advisory fees and other contractual expenses as described in each client's individual contract.

The net performance results presented reflect the deduction of model investment advisory fees, and not the advisory fees actually charged to the accounts in the composite. Prior to December 31, 2004, the model advisory fees deducted reflect the maximum fixed fee in effect for each strategy. Beginning January 1, 2005, the model advisory fees deducted reflect the standard fee schedule in effect during the period shown, applied to each account in the composite on a monthly basis. Standard fee schedules are available upon request. Actual advisory fees paid may vary among clients invested in the same strategy, which may be higher or lower than the model advisory fees. Some accounts may utilize a performance-based fee.

Global Low Volatility Composite includes all fully discretionary separately managed portfolios invested in this strategy. The strategy pursues a systematic approach to construct a defensive portfolio of global large capitalization securities. The benchmark is the MSCI World Index. The objective is market-like returns as compared to the benchmark over the full market cycle, with a total volatility (standard deviation) considerably below that of the benchmark. The composite inception date is January 1, 2012, and the composite was created in February 2012.

The MSCI World Index is a free float-adjusted market capitalization weighted index that is designed to measure global developed market equity performance.

The Index returns are provided to represent the investment environment existing during the time periods shown and are not covered by the report of independent verifiers. For comparison purposes, the index is fully invested, which includes the reinvestment of dividends and capital gains. The returns for the index do not include any transactions costs, management fees or other costs, and are gross of dividend tax withholdings unless otherwise noted. Composition of each separately managed account portfolio may differ from securities in the corresponding benchmark index. The index is used as a performance benchmark only, as Intech® does not attempt to replicate an index. The weightings of securities within the portfolio may differ significantly from the weighting within the index. The index is not available for direct investment; therefore, its performance does not reflect the expenses associated with the active management of an actual portfolio.

Prices assigned to investments are published prices on their primary markets or exchanges. Non U.S. securities are translated into U.S. dollars using the 4:00 P.M. London spot rate. However, if a significant event takes place between the close of the local market and the close of the U.S. domestic market, a security may be fair valued.

Investments are subject to certain risks, including currency fluctuations and changes in political and economic conditions, which could result in significant market fluctuations. These risks are magnified for portfolios that include emerging markets.

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Benchmark holdings, portfolio holdings and/or characteristics are subject to change. This information should not be considered a recommendation to purchase or sell any particular security. It should not be assumed that any of the securities holdings listed in this presentation were or will prove to be profitable, or that investment recommendations or decisions that we make in the future will be profitable.