NEW IN THIS RELEASE :
- Barra Peer Analytics
- Risk Delta Analytics
- Enhancements to Performance Attribution
- Barra Optimizer 8.1 Integration

KEY BENEFITS
- **Attribution** – Choose from traditional (Brinson), factor-based, or hybrid approaches to understand and decompose the sources of portfolio risk and return from either your own portfolio or a peer mutual fund.
- **Custom Factor Attribution** – Leverage MSCI’s patented solution for decomposing risk and returns. Use your own industry classifications or incorporate other custom data to make risk attribution customized to your unique investment process.
- **Scenario and What-if Analysis** – Simultaneously evaluate point-in-time and time-series risk, return and style exposures using multiple risk models, dates and portfolios.
- **Portfolio Construction** – Use Barra Optimizer to build portfolios that achieve an optimal combination of predicted risk and return, subject to constraints and investment objectives. Efficiently rebalance or construct a large number of portfolios in a single rebalance cycle.
- **Strategy Research and Development** – Create and simulate investment strategies using market and third-party attributes and data. Dynamically change constraints or objectives to adapt to different market conditions or business cycles.
- **Custom Data** – Use Formula Builder to create and refine alphas, generate custom data and attributes for risk reports and portfolio optimization, or incorporate portfolio-level statistics.
- **Reporting** – Manage a complete end-to-end workflow that includes setup, monitoring, exception handling and hands-free extraction of single or multiple reports with an easy-to-use interface. Automate the reporting process with either CSV or customized PDFs to compare your holdings using MSCI supplied and third party attributes like industry and sector classifications, Economic Exposure and Fundamental data.

*Barra PortfolioManager provides a flexible and customizable user interface that allows for sharing strategies, analytics, and reports.*
Barra PortfolioManager is designed for research, reporting, strategy development, portfolio construction and performance and risk attribution

• **Alternative Investments** – Full coverage of oil, gold, FX forwards, equity options and short-term fixed income cash equivalents.

• **Barra Peer Analytics** – Enable investment managers to better understand their competitive landscape and identify the main drivers of risk and performance for equity mutual funds. Asset Owners and Fund-of-Fund managers can significantly improve their manager evaluation and selection process.

**TECHNOLOGY HIGHLIGHTS**

Barra PortfolioManager is a secure hosted platform independently verified to protect client data, through SSAE-16 and ISAE-3402 audits. It is built on the same technology platform as BarraOne.

**24x5 Support**

Our highly trained Client Service team is ready to provide product and analytics expertise before, during and after your trading hours.

**Installation**

• Accessible from any Internet-enabled computer

• Automatic upgrades ensure the latest features of Barra PortfolioManager are always available

**System Requirements**

• High-speed Internet connection allowing 128-bit encryption over SSL

• Java Runtime Environment installed (v. 1.6_0_20 or higher recommended)

• Windows XP or higher Network Requirements

• Java Runtime configured for Internet connectivity

• Secure HTTP communication over port 443

**ABOUT MSCI**

For more than 40 years, MSCI’s research-based indexes and analytics have helped the world’s leading investors build and manage better portfolios. Clients rely on our offerings for deeper insights into the drivers of performance and risk in their portfolios, broad asset class coverage and innovative research. Our line of products and services includes indexes, analytical models, data, real estate benchmarks and ESG research. MSCI serves 98 of the top 100 largest money managers, according to the most recent P&I ranking. For more information, visit us at www.msci.com.

The information contained herein (the “Information”) may not be reproduced or redisseminated in whole or in part without prior written permission from MSCI. The Information may not be used to verify or correct other data, to create indexes, risk models, or analytics, or in connection with issuing, offering, sponsoring, managing or marketing any securities, portfolios, financial products or other investment vehicles. Historical data and analyses should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. None of the Information or MSCI index or other product or service constitutes an offer to buy or sell, or a promotion or recommendation of, any security, financial instrument or product or trading strategy. Further, none of the Information or any MSCI index is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. The Information is provided “as is” and the user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF MSCI INC. OR ANY OF ITS SUBSIDIARIES OR ITS OR THEIR DIRECT OR INDIRECT SUPPLIERS OR ANY THIRD PARTY INVOLVED IN THE MAKING OR COMPILING OF THE INFORMATION (EACH, AN “MSCI PARTY”) MAKES ANY WARRANTIES OR REPRESENTATIONS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH MSCI PARTY HEREBY EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITHOUT LIMITING ANY OF THE FOREGOING AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT SHALL ANY OF THE MSCI PARTIES HAVE ANY LIABILITY REGARDING ANY OF THE INFORMATION FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR ANY OTHER DAMAGES EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited.