



| investment process optimization |

Industry leading analytics and data management

Save implementation time and cost through  
**rapid deployment**



Streamline and automate investment processes with  
**unparalleled flexibility**



Make better and timely investment decisions with  
**robust analytics**



Opturo's mission is to deliver industry leading technology solutions to our clients to optimize their investment processes.

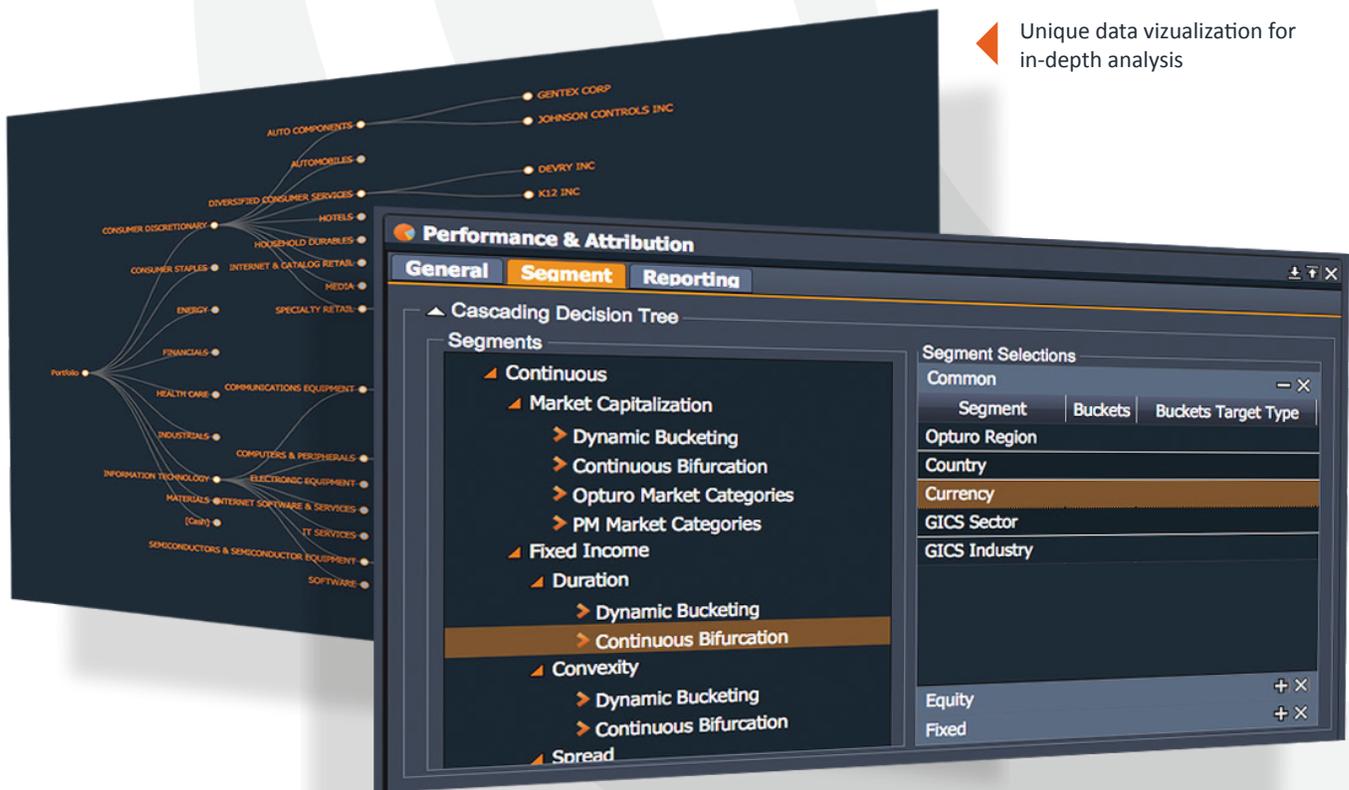
We combine intelligent data management, accurate analytics, and flexible architecture to provide clients with the tools and infrastructure they require to facilitate efficient and scalable growth.

### Opturo Provides:

- Performance & Attribution, Ex-post and Ex-ante Risk Analysis, Composite Management and other Analytical tools
- Automation of Front/Middle/Back-office Investment Processes
- Server, Desktop, Web and Mobile Applications

### Opturo's Advantages:

- Accurate and economically meaningful analytics
- A platform that adapts to each firm's needs, not the other way around
- Rapid support to provide solutions to critical analytics & data management problems
- Customization of reporting and other investment/data processes



Unique data visualization for in-depth analysis

User-defined custom decision tree

# OPTURO

## PERFORMANCE & ATTRIBUTION



# decision

## through

# analysis

Opturo offers a range of enterprise-level front-office investment solutions.

### Opturo Performance & Attribution

is an industry leading, comprehensive, low latency, in-house solution specifically geared towards improving the content obtained from, while reducing the cost of, analyzing portfolio performance. It has the design flexibility to properly analyze each portfolio's own custom investment process, providing reliable and appropriate information to both the firm and its clients.

### HIGHLIGHTS

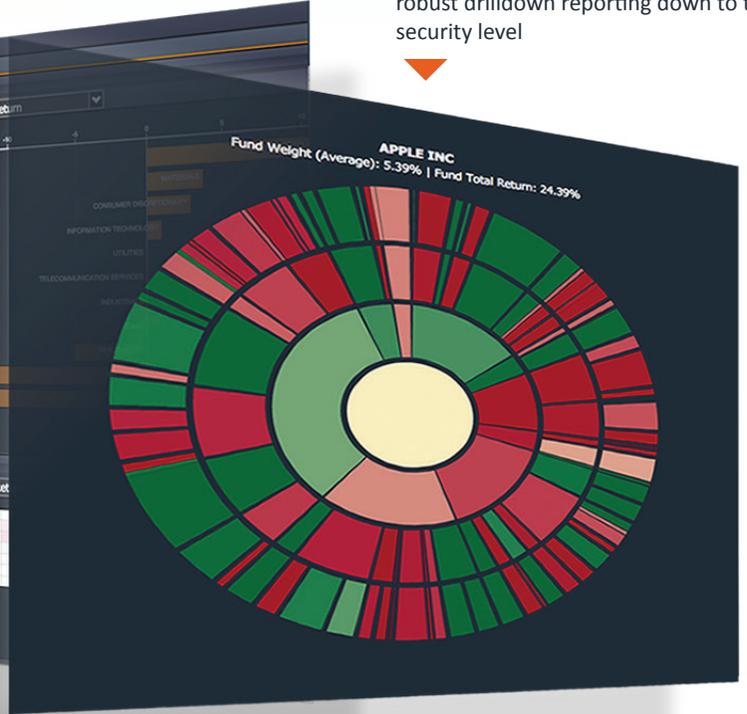
- ▶ **Exact Performance:** Built upon daily, component-level, trade-inclusive, multi-currency returns for both longs and shorts, and notional products. Incorporates corporate actions, overnight cash flows and tax reclaim to provide accurate weights and returns for performance reporting and attribution while resolving notorious difficulties arising from intra-day transactions.
- ▶ **Exact Attribution:** Performance Attribution & Decision Risk Attribution that accurately differentiates the effects of controllable investment decisions from the effects imposed by the market.
- ▶ **Custom Decision Trees:** Allows the user to designate, on-the-fly, the structure of the decision process that will be employed in the attribution analysis of each fund, such as applying different investment decisions to equities than to fixed income assets within a unified evaluation of the effects of each of a fund's decisions on its performance and risks.
- ▶ **Improved Calculations:** Performance and attribution terms are carefully made economically meaningful, avoiding the all-too-common critical calculation problems endemic in popular competing platforms.
- ▶ **Rapid Deployment:** Opturo's proprietary plug & play technology offers a quick and cost effective implementation.



Individual users can build and save customized dashboards



Opturo's powerful analytics enables robust drilldown reporting down to the security level



The Opturo platform is able to graph portfolio, segment and component data through time — including all attribution measures



The Opturo Envision reporting engine allows users to share interactive reports with non-subscribing stakeholders



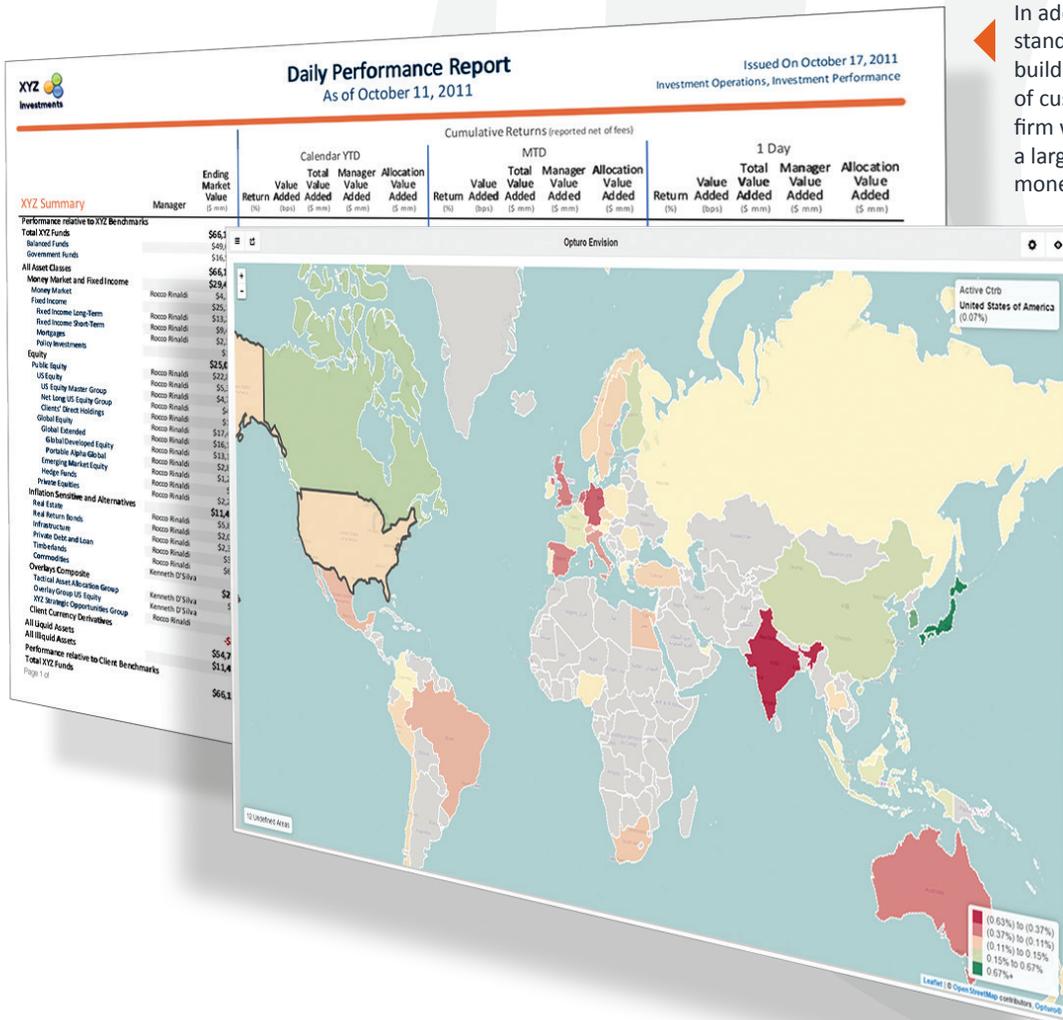
# OPTURO CUSTOM REPORTING

The Opturo platform is not a black box. Our clients enjoy data and calculation transparency, which facilitates rapid data extraction for additional analysis and custom reporting.

While much of the financial services industry has modernized in the computer age, the design and effectiveness of investment statements has been woefully lacking in innovation. The Opturo Envision Reporting engine allows clients to distribute interactive graphics and information to stakeholders.

Customization can be done in accordance with each client's investment process and business logic. Reports like this firm level attribution, broken down by asset class, strategy and portfolio manager is just one example.

Decision Attribution is by its very nature custom to each firm, strategy and portfolio manager. We can provide custom reporting which explains the controllable alpha and risk attributes through time at the portfolio, segment and security level.



In addition to our system's standard reports, Opturo can build and automate the creation of custom reports such as this firm wide attribution report for a large multi-asset institutional money manager

The Opturo Envision reporting engine offers interactive visualization focused on customized business intelligence





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