

## HedgeSPA Investment Analytics Platform

*Multi-Asset, Multi-Frequency, Tail-Risk Analytics for Buy-Side Professionals*

HedgeSPA Investment Analytics Platform provides buy-side investment professionals with real-time access to multi-asset, multi-frequency, tail-risk-enhanced analytics previously available only to the world's largest asset managers at 7 to 8-figure price tags. HedgeSPA's web-based platform makes deep analytics sophistication affordable for market participants caught between inaccessible institutional-quality solutions and software technology vendors with unusable contents.

### Sophisticated Analytics

#### On-Demand Scenario Modeling

- ◆ Evaluate complex market scenarios' impact on your portfolio in real-time instead of waiting for overnight batches for each scenario change.

#### Tail-Risk Attribution Analytics

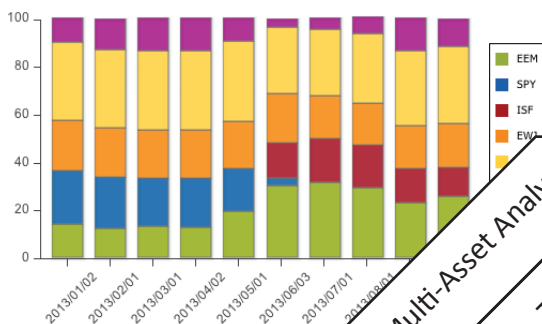
- ◆ Use attribution tools to translate ex ante scenario returns into consistent risk-adjusted charging rates for assets and across asset classes.

#### Quantitative Construction & Hedging

- ◆ Construct, hedge and rebalance portfolios while accounting for full risk and return profiles based on asset return distributions and higher moments.

#### Multi-Asset Factor Exposures

- ◆ Break down market beta exposures by multi-asset factors and select assets based on the most salient sources of relevant factor exposures.



### State-of-the-Art Technology

#### High-Performance Algorithms

- ◆ No need to wait hours, or even overnight - rerun analytics you need with updated parameters before the market moves

#### Flexible Deployment Options

- ◆ Choose from plug-and-play cloud hosted or server-in-a-box on-site options - minimizing expensive data center costs

#### Customize to Your Workflow

- ◆ Customize reference data and asset attributes to reflect your investment process, not your analytics provider's hard-coded classifications.

#### Software-as-a-Service Advantage

- ◆ Continually updated SaaS provides the most cost-effective technology options instead of paying vendors to reinvent technical frameworks.

### Analytics and Technology Combined

	Multi-Asset Analytics	Tail-Risk Models	On-Demand Scenarios	Flexible Deployment	Web Delivery	Custom Reference Data	Mobile Accessibility
<b>HedgeSPA</b>	✓	✓	✓	✓	✓	✓	✓
Institutional Solution	✓	✓					
Software Vendors			✓	✓	✓		



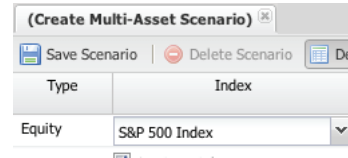
To learn more about **HedgeSPA Analytics** or register for a trial account, visit us at [www.hedgespa.com](http://www.hedgespa.com) or contact a HedgeSPA representative at [salesnsupport@hedgespa.com](mailto:salesnsupport@hedgespa.com)

## HedgeSPA Platform Overview

### Sophisticated Portfolio Analytics

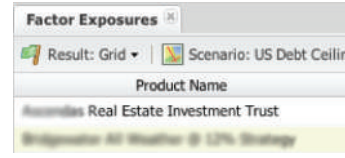
#### Scenario Analysis

Gauge the impact of market moves on your portfolio so you are prepared for any outcomes.



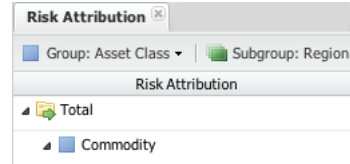
#### Factor Exposures

Aggregate your underlying portfolio exposures to see how market factors drive returns.



#### Tail-Risk Attribution

Drill down to find the major contributors to tail risk and know the true risks in your portfolio.



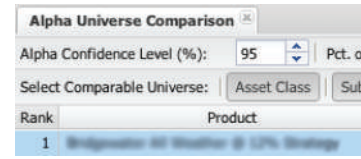
#### More Portfolio Analytics

- Absolute/Active Return Attribution
- Total Cost Hedging Algorithms
- Custom Blended Benchmarks
- Efficient Frontier Analysis
- Portfolio Risk and Return Gauges
- Flexible Asset Allocation Report
- Performance Backtesting
- Portfolio Asset Correlations
- Mandate Compliance Monitoring

### Detailed Asset Analysis

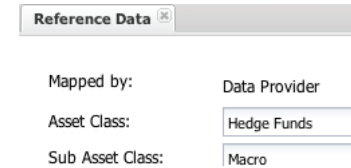
#### Alpha Analysis

Filter investments by comparing manager alpha with fund peers or eliminating all known beta.



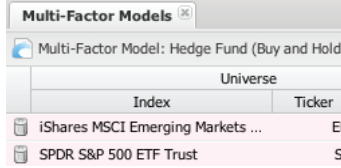
#### Custom Reference Data

Specify data reference categories and mappings for all products to reflect your investment process.



#### Multi-Factor Models

Utilize a range of multi-factor models to find the underlying exposures driving fund returns.



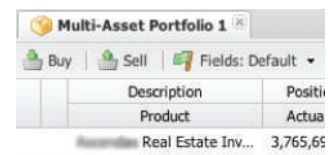
#### More Asset Analytics

- Mixed Frequency Performance
- Performance-based Universe Filtering
- Detailed Investment Risk Statistics
- Asset-specific Term Structure Models
- Editable Fund Exposures
- Fund-related News
- On-demand Asset Pricing Models

### Comprehensive Transaction Workflow Tools

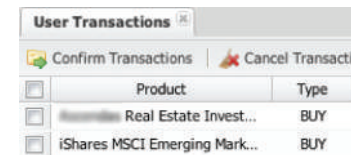
#### Portfolio Management

Manage your portfolios online and access your up to date positions and P&L any time.



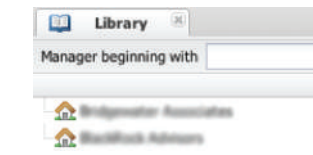
#### Trade Booking

Create transactions tickets and import block trades to quickly analyze your trading history.



#### Research Management

Access manager research library to smoothly pair quantitative and qualitative due diligence.



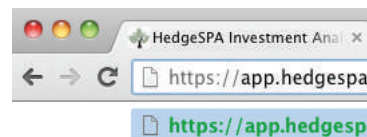
#### More Workflow Tools

- Comprehensive Text Based Reporting
- Automated Graphical Reports Libraries
- Export Statistics to Excel
- Multi-Asset Investment Watchlists
- Customizable Platform Settings
- Add Private Funds for Analysis
- View and Edit Performance Data
- Integrated Data Vendor Information

### Flexible, Powerful Technology

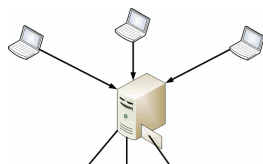
#### Secure Cloud Platform

Secured Software-as-a-Service implementation replaces costly IT headaches and maintenance.



#### High Performance Methods

Get complex statistical answers in seconds with high performance computing methods.



#### Mobile Delivery

Easily communicate ideas and analytics directly to your clients via mobile delivery.



#### More Technology Features

- Advanced encryption of Client-specific databases
- Server-in-a-Box Virtualized and Scalable Deployments
- Best-in-Class cost-effective development libraries
- "Data Neutral" Platform Supports Clients' Choice of Data Providers
- Choice of Web Services Provider