



WHAT'S AHEAD FOR THOMSON REUTERS EIKON FOR BUY-SIDE INVESTMENT MANAGERS

Updated October 2017

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the answer company™

THOMSON REUTERS®

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Thomson Reuters Asset Management Solutions are a smarter combination of data, technology, connectivity and compliance support — all tailored for asset managers.

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[Research](#)






[Portfolio Management](#)



RESEARCH

Research

Thomson Reuters Eikon provides market-leading data, analytics, workflow capability, and broker research to help research analysts and portfolio managers in their daily investment process. The platform covers end-to-end analyst workflow from Market Monitoring to Idea Generation, Idea Due Diligence and Performance Analysis.

		Available in EIKON		
NEW/ENHANCED FEATURE	DESCRIPTION	NOW AVAILABLE	COMING SOON	2018
Estimates, Analyst Recommendations	Click through from Analyst estimates to Research,. Improved Analyst recommendation history in a chart view to understand analyst rating progression.	●	●	
<u>Industry App</u>	Aggregated view for each industry including news, events, KPIs, research, industry content.			
<u>Search & Discover</u>	Single search app across News, Research, Filings and Transcripts with comingled results. Relevance-based ranking, Snippet-based navigation and workflow integration.			
Supply / Value chain	Customer and Suppliers view of a company, with an ability to filter by confidence score and click through into source.	●		
<u>Corporate Governance App</u>	Detailed information on Activism campaigns, Prominent Activity, Poison Pills and Takeover Defense.			
<u>Ownership App</u>	Detailed information on Ownership summary, Shareholder history, Insider trading reports.	●		
Environmental Social & Governance View (ESG) in Eikon	ESG data on over 6000 companies, 400+ ESG data points and 100+ analytics, 17 years history, with click-thru capability.			
<u>Watch List Pulse</u>	Monitor activity on critical metrics across a portfolio. Metrics can include: <i>Recommendations, News, Events, Research, Starmine scores, Proprietary data.</i>			

Research



		Available in EIKON		
NEW/ENHANCED FEATURE	DESCRIPTION	NOW AVAILABLE	COMING SOON	2018
Aggregates App	View aggregate data by industry classification. Ability to add any financial metrics and build sophisticated comp sheets across multiple single industries.			
Routines App	Ability to create a quick seamless customized workflow based on the individual needs of an analyst, a PM, or an analyst PM team.			
Key Stats	Compare key statistics (Revenues, Estimates, Fundamentals, Ownership, ESG etc.) across multiple companies.			
Enhanced KPI coverage	17 new company-level KPIs. Segment Revenues (2H17).	•	•	
Eikon Tracer on News	Social media (Twitter feed) verification tool for a subset of events (Natural Disasters).			
Advanced Events App	Significantly improved view of the Events Calendar with an ability to add, filter, search and view events for a company, a list, or a portfolio.	•		
Advanced Research viewer App	Significantly improved view of research reading Eikon, with an ability to filter, search, navigate and view broker research.		•	
Earnings Season App	Ability to navigate earnings season more confidently - monitor and track earnings reported, surprises, revisions, guidance changes, price reactions for a portfolio, or industry sector of choice.			
Daily Email – Ticker Digest	Daily email with customizable timed delivery of: <i>Recommendation changes, Financial changes, News Sentiment change, Events, Filing, Research and Technical signals on a portfolio.</i>	•		
Research, Filings, Transcripts	Batch Print / Save of Research, Filings and Transcripts.	•	•	

Research



		Available in EIKON		
NEW/ENHANCED FEATURE	DESCRIPTION	NOW AVAILABLE	COMING SOON	2018
MiFID II	Partner solution integrated with Eikon around MiFID II compliant Resource tracking, Corporate access and Broker vote solution.			
Prisma Analytics App	Geopolitical and macroeconomic analysis based on news.			
NewsFul App	News analytics app that shows the link between business events and stock price changes.			
FinTech Studios App	Actionable curated news, research and market analytics.			
BizQualify App	Private and public company data from IRS and Labor department filings.			
Fund Views	View Fund Profile, Performance, Risk and Holdings data. Release of new content and additional views throughout the year including Extended Holdings Data and Extended Distributions Data .	●	●	
Global Fund Flows	Access to Estimated Net Flows (Fund Flows), using Lipper data and standard calculation methodologies. Later in the year, there will be enhancements of data visualisation and reporting capabilities.	●	●	
Fund Screener	Fund Screener with basic screening capabilities and a subset of Lipper content, i.e. limited flags/attributes for both screening/reporting compared to the entire data point suite which Lipper has for a fund.	●		
Fund Screener & Reporting App	The new Fund Screener will integrate Lipper's powerful screening service into Eikon for the first time, allowing users to create specific lists and peer groups of funds. The reporting capability enables users to run reports with access to the extensive global fund content set with workflow features linking to monitor and Portfolio/Lists.		●	

Research



		Available in EIKON		
NEW/ENHANCED FEATURE	DESCRIPTION	NOW AVAILABLE	COMING SOON	2018
European Elections App	French, German , UK and Dutch election app, similar to Brexit and US elections app. Also South Korean election app.			
CNBC Live Alerting	Algorithm listens to CNBC closed caption feed and creates news alerts for 5,000 companies (public and private)			
Twitter key influencer feed	Tweet feed from key influencers - initial list limited to Donald Trump and Mike Pence. Plan to add 200-300 hand-picked influencers.			
High valued curated sources	This feature provides approximately 1500 'suggested sources' across News Wires, Global Press, and Web News (out of the 9,000+ news sources available) as the starting point for news searches.			
Improved discoverability of Japanese language tagging	Improved company tagging for non-English sources (Japanese).			
Most Read & Most Popular	Allows users to view the most read stories in the News Monitor for any custom search.			



PORTFOLIO MANAGEMENT

Portfolio Management



Thomson Reuters Eikon provides market-leading data, analytics, workflow capability, and broker research to help research analysts and portfolio managers in their daily investment process. The platform covers end-to-end analyst workflow from Market Monitoring to Idea Generation, Idea Due Diligence to Performance Analysis.

		Available in EIKON		
NEW/ENHANCED FEATURE	DESCRIPTION	H1	H2	2018
Improved (HTML5) Reporting Tool	Enhanced Portfolio analytics reporting, improved performance, look and feel.	●	●	●
Enhanced Risk analytics (Stress Testing)	Portfolio stress testing in Eikon using 3 rd party (partner) analytics.			
Portfolio Reporting available on Eikon Web (HTML5 support)	Enhanced Portfolio analytics reporting, improved performance, look and feel. Enhanced Fixed income analytics (<i>various capabilities</i>).	●		
Watch List Pulse	Monitor activity on critical metrics across a portfolio. Metrics can include: <i>Recommendations, News, Events, Research, Starmine scores, Proprietary data.</i>			
Earnings Season App	Ability to navigate earnings season more confidently , monitor and track reported earnings, surprises, revisions, guidance changes, price reactions for a portfolio, or industry sector of choice.			
Daily Email – Ticker Digest	Daily email with customizable timed delivery of: <i>Recommendation changes, Financial changes, News Sentiment change, Events, Filings, Research and Technical signals on a portfolio.</i>	●	●	
Advanced Events App	Significantly improved Events calendar view with an ability to add, filter, search, view events for a company, a list, or a portfolio.			
Analyst Performance Monitor Tool	Ability to measure buy side analyst performance, compared to benchmark of choice, using Starmine methodologies on the back of analyst recommendations.			

Portfolio Management



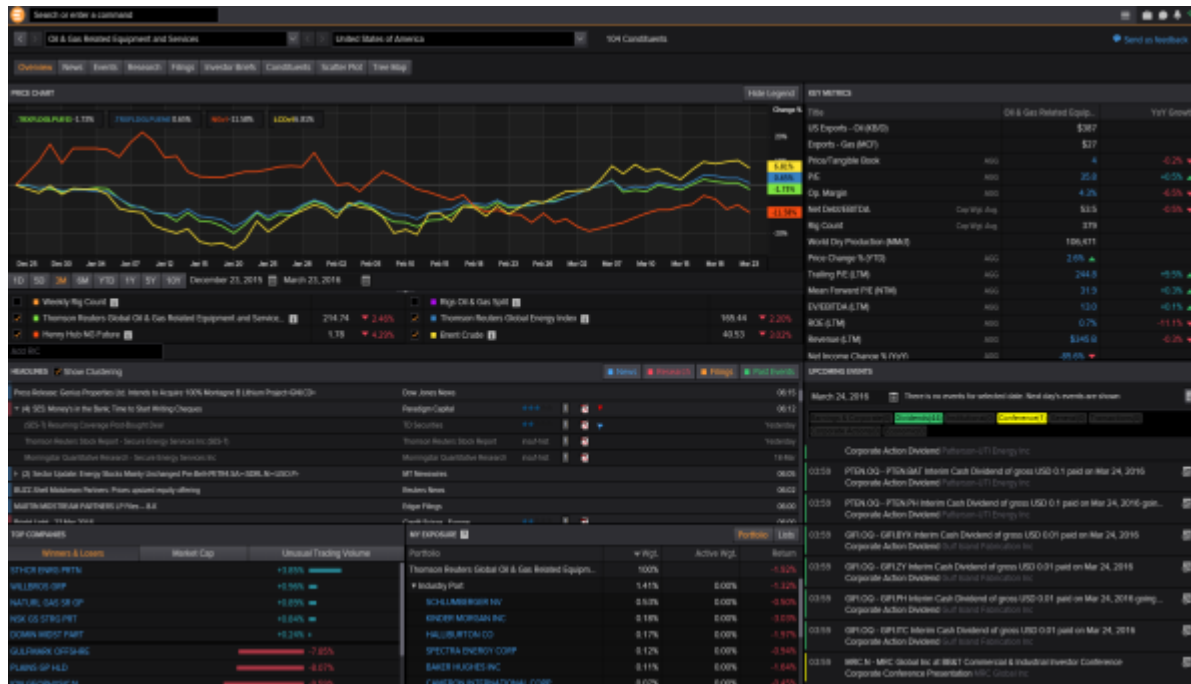
		Available in EIKON		
NEW/ENHANCED FEATURE	DESCRIPTION	H1	H2	2018
Financial Chart App	Next generation cross asset charting platform that is delivered in a simple and easy to use interface with left hand navigation and toolbar controls that is built using in HTML5 and rendered in D3 giving users a much richer visualization experience.	●		
Intraday Market Share Reporter (iMSR)	Intraday volume, turnover and trade count analytic that allows the user to compare intraday stock data against historical averages and evaluate intraday key liquidity movement across competing venues	●		
Asset Allocation Polls (AAP)	Monthly survey of recommended model global portfolio allocations. It is sourced from many of the world's top investment firms.	●		
Economic Indicators (ECONIND)	Provides the complete story of any economic indicator.	●		
FX Polls (FXPOLLS)	Insight into future exchange rate expectation over the coming 1, 3, 6, and 12 months for over 50 currency pairs spanning the Majors, Latam, Asia and some key African currencies.	●		
TR Digest	Personalized digest of news and company information and is highly tailored to a user's interests. It summarizes the most important news, data and information from across Thomson Reuters in a concise and easily digestible format.			
Country & Regional Guides	Providing a Macro view of 135 Countries and 22 Regions.	●		



DETAILS AND EXAMPLES

Industry App

The Industry App has been completely revamped with new visualizations, new analytics and more industry specific content. It features a revamped overview with metrics and price series specific to the industry, as well as portfolio exposure, unusual trading volume and grouped news, research, filings and events. The existing tabs have been updated and new tabs (Tree Map and Scatterplot) have been added.



Key features/benefit:

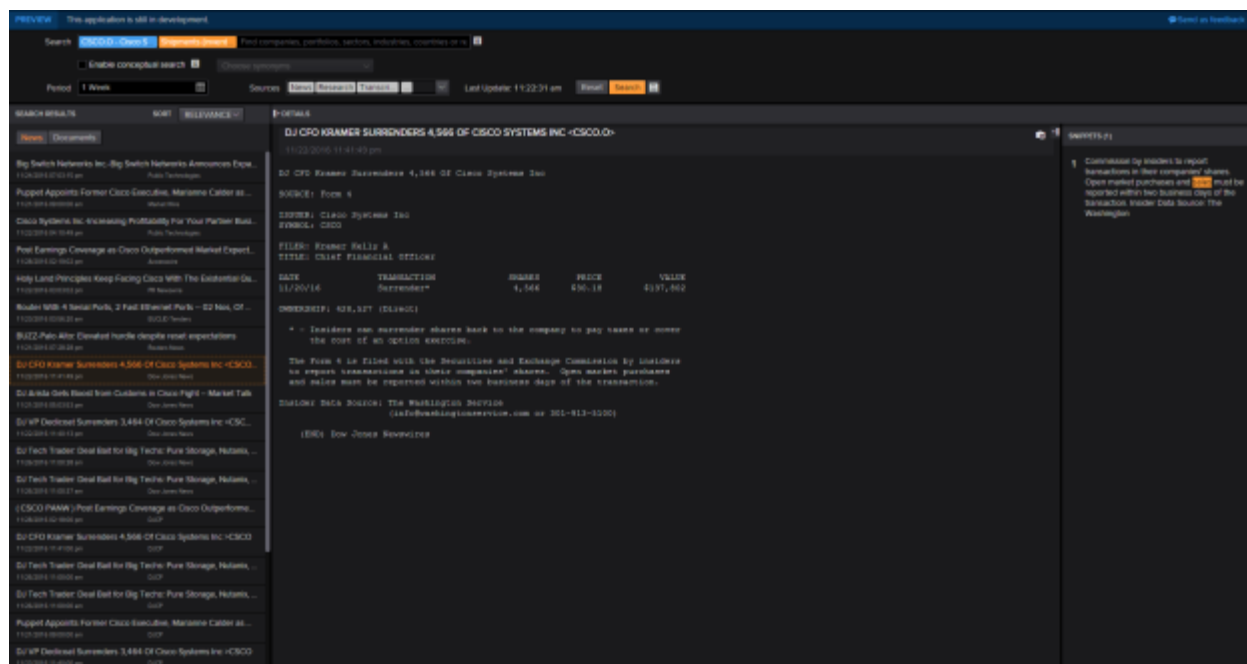
- More relevant content to improve analysis.
- Better visualization to get unique perspectives on the industry.
- Grouped headlines to find documents related to the same topic or company and reduce clutter.
- Quickly ascertain your exposure to an industry.
- Get a holistic view of the industry using the Tree Map feature.

Search & Discover

With the new Search and Discover App in Eikon, clients can use intelligent search to efficiently find relevant information across multiple content sets, saving user time and making sure you don't miss vital inputs of research. Access key research (including filings, investment research, transcripts, and financial news) all in one place.

Search & Discover allows users to search a broad range of criteria including:

- Companies / Tickers to find information on a particular security.
- Keywords such as 'election' to find specific information which could be time specific.
- Key information for companies within portfolios or watch lists; Key topics to refine results.
- Industry classification (TRBC) to access up to 5 levels of granularity for greater search accuracy.
- Time period.
- Countries.



Key features/benefit:

- Save search criteria for future use.
- Sort the results by relevance or date.
- Save documents to offline reading by adding to Briefcase.
- Share research with colleagues via email or Eikon Messenger.
- *Snippets Pane* allows users to review the snippets and click on a specific snippet to navigate to the exact section in the document with the keyword or topic.

Corporate Governance App

The standalone Corporate Governance App has been enhanced to include a new Takeover Defense Market View. This View provides an aggregate analysis, by TRBC Industry, of Provisions in Force, Board Structure, and Voting Provisions across S&P 500, NASDAQ 100, and Dow Jones Industrial Average constituent universes to allow users a comprehensive market understanding. The data is sourced by Asset 4 and the current coverage is 12,000 companies with data back to the mid 1980's.

CORPORATE GOVERNANCE MARKET OVERVIEW

Takeover Defense

Select Index: S&P 500

	Industrials	Healthcare	Consumer Cyclical	Technology	Utilities	Financials	Basic Materials	Consumer Non-Durables	Energy	Telecommunications
PROVISIONS IN FORCE										
Holdover Poison Pill	14.7%	6.5%	27%	7.1%	7.1%	2.6%	23.1%	5.6%	12%	0%
Staggered Board Structure	22%	38.6%	18.9%	20%	7.5%	13.8%	40.9%	15%	26.2%	0%
Staggered Fiscal Year	95.9%	90%	97.8%	94.4%	100%	93%	100%	100%	97.4%	100%
Extended Authorized Capital or Bank Chg.	94.5%	80%	94.2%	94.5%	88.2%	97.7%	85.5%	82.2%	97.4%	100%
Limited Shareholder Rights to Call Meetings	98.6%	97.8%	100%	100%	100%	98.9%	100%	100%	100%	100%
Limitations on Removal of Directors	49.2%	98.8%	98.7%	4%	72.7%	98.9%	88.4%	42.8%	90%	100%
Limitation of Director Liability	100%	90%	100%	100%	100%	100%	100%	100%	100%	100%
Written Consent Requirements	50%	60.5%	60%	48.9%	68.4%	58.7%	58%	58.1%	47.2%	60%
Fair Price Provision	85.4%	53.8%	81%	83.3%	75%	79.3%	78%	70%	63.6%	50%
Pre-emptive Rights	3%	0%	5.9%	6.1%	2.8%	1.2%	0%	0%	5.6%	0%
Company Class Shareholding	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Advance Notice for Shareholder Proposals	100%	100%	100%	100%	100%	98.2%	100%	100%	100%	100%
Advance Notice Period Days	91.2	80.9	98.5	85.9	81	95.6	82.5	91.8	89	84
Expanded Confidentiality Provision	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
BOARD STRUCTURE										
Board Size	11	10.7	10.9	10	11.7	11.8	10.9	11.8	10.7	12.2
CEO Board Member	100%	100%	97.8%	98.2%	100%	100%	95.9%	96%	97.4%	100%
Number of Board Meetings	7.4	5.4	7.8	6.4	5.9	5.1	6.1	6	8.9	16.2
Female on Board	18.8	19.9	19.8	19.1	23.1	20.3	18.4	25.4	15.3	27.8
Audit Board Committee	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Nominations Board Committee	74.2%	71.4%	82.4%	78.6%	46.4%	85.1%	86.4%	70%	76.2%	80%
Compensation Board Committee	100%	95.9%	95.6%	100%	85.7%	96.8%	95.5%	96%	97.4%	90%
Corporate Governance Board Committee	97.3%	90%	96.7%	98.2%	100%	97.7%	100%	82.5%	82.1%	100%
CSR Sustainability Committee	66.2%	61.1%	42.9%	55.4%	47.2%	47.9%	81.8%	77.8%	66.8%	60%
Highly Paid Remuneration Package	13.9	16.2	19.9	19.1	10.8	11.9	13.3	12.9	12.7	17.6
Total Senior Executive Compensation	30	38.4	38.3	40.9	24.3	33	29.4	30.9	31.6	42.7

Key features/benefit:

- Select any of the three indices to view trends by TRBC Industry coverage (leftmost orange arrow below).
- Export to Excel (rightmost orange arrow below).
- Click 'i' or '?' for quick access to row meaning information or field definition (leftmost yellow arrows below).
- Click collapse and expand icon for better focus.

Ownership App

Global coverage

- Holdings worth \$50 trillion
- 51,000 securities in 70 markets
- Intraday updates
- Strong local content
- Global history back from 1997

Analysis

- Compare holders of multiple securities, indices or watch lists.
- View by holders or group by country.

SHAREHOLDERS HISTORY REPORT

Ownership Summary | Shareholders Report | Shareholders History Report | Insider Report

Concentration: All | Location: All | Rotation: All | Style: All | Turnover: All | Type: All | Portfolio/List: None

INVESTORS (721) | Most Recent, 30-Sep-2016, 30-Jun-2016

Investor Name | Position (M) | Position Change (M) | Position (M) | Position Change (M) | Position (M) | Position Change (M) | Investor Type | Investor Sub-Type

VANGUARD GROUP INC. Active

United States of America | Investment Management & Fund Operators

INVESTOR OVERVIEW

COMPANY INFORMATION

Founded: May 1, 1975. The Vanguard Group, Inc. (VGI) is an investment advisory firm founded by James C. Sloger. Vanguard Investments Australia Ltd. is a subsidiary of VGI. A part of the VGI's equity assets are managed externally. VGI caters to individuals and institutions.

100 Vanguard Boulevard | Malvern Pennsylvania 19355-2331 | United States | Phone: 1-610-6691000 | Fax: 1-610-6696500 | Website: www.vanguard.com

PORTFOLIO SUMMARY

Equity Assets (\$M)	2,203,014.17	Investor Sub-Type:	Investment Advisor
Investment Style:	Index	Turnover:	LOW
Total Assets (\$M)	3,238,683.96	Turnover %:	8.11%
Orientation:	Passive	Filing Date:	08-Aug-2016
Investor Type:	Investment Managers	# Securities Held:	12846

RECENT ACTIVITY

BUYs: Security | Activity Details: Port Chg % | Shares

SELLs: Security | Activity Details: Port Chg % | Shares

OWNERSHIP PEER ANALYSIS

Integrated Oil & Gas - 10 Constituents

#	Investor Name	Equity Assets (\$M)	Total Value Held (\$M)	Latest Filing Date	Total Value Change	Number Of Stocks H.	Investor Sub-Type	City
1	The Vanguard Group, Inc.	2,203,098.39	50,154.80	08-Aug-2016	+1,013.00	10	Investment Advisor	Malvern
2	BlackRock Institutional Trust Company, L.P.	1,573,488.91	45,888.42	09-Aug-2016	-188.17	10	Investment Advisor	San Francisco
3	Government of Norway	66,412.05	37,031.19	09-May-2016	+211.30	1	Government Agency	Oslo
4	State Street Global Advisors (US)	668,868.22	33,848.95	11-Aug-2016	-322.97	10	Investment Advisor	Boston
5	State Depository Prndls, S.p.A.	29,298.03	14,643.28	10-May-2016	+327.89	1	Government Agency	Rome
6	Capital Research Global Investors	440,074.06	13,733.86	10-Aug-2016	+1,972.01	8	Investment Advisor	Los Angeles
7	Capital World Investors	972,889.5h	12,230.8h	11-Aug-2016	+748.8h	9	Investment Advisor	Los Angeles
8	Wellington Management Company, LLP	432,279.11	10,854.10	05-Aug-2016	-332.36	10	Investment Advisor	Boston
9	Fidelity Management & Research Compa.	848,224.58	9,739.25	10-Aug-2016	+539.43	10	Investment Advisor	Boston
10	Norges Bank Investment Management [910,110.21	9,053.70	10-Aug-2016	-1,857.64	8	Sovereign Wealth F.	Oslo
11	Amundi Asset Management	70,629.22	8,844.48	09-Aug-2016	-7,227.02	10	Investment Advisor	Paris
12	Legal & General Investment Management	186,888.30	8,388.00	31-Aug-2016	+201.48	10	Investment Advisor	London
13	T. Rowe Price Associates, Inc.	508,964.86	6,342.79	11-Aug-2016	+543.95	10	Investment Advisor	Baltimore
14	Georlie Capital Management, L.L.C.	207,827.23	6,047.67	26-Jul-2016	+28.91	10	Investment Advisor	Boston
15	Northern Trust Investments, Inc.	202,137.74	6,054.81	06-Aug-2016	+128.85	10	Investment Advisor	Chicago
16	State Farm Insurance Companies	68,153.28	5,906.22	30-Jun-2016	-13.89	3	Insurance Company	Bloomington
17	Total Energies	6,340.47	5,340.47	31-Dec-2016	+624.20	1	Corporation	Courbevoie
18	Bank of America Merrill Lynch (US)	240,893.01	5,122.59	30-Jun-2016	-151.07	3	Research Firm	New York
19	Investment Firm Advisor, L.P.	790,037.76	4,022.83	01-Dec-2016	-1.74	10	Investment Advisor	Austin

BREAKDOWN (AS OF LATEST FILING)

Security	Value (M USD)	Value Change (M)	# Securities Held
PCL	+74.57M		
PAO	+89.78M		
hpbanca	+80.29M		
company AR	+34.64M		
Nacional Rhd	+33.21M		
TOK-1 PAO	-6,411.20M		
Industrial and Commercial Bank of China Ltd	-1,328.56M		
FSK YeES PAO	-616.34M		
Federal Hydro-Generating Company RusHy...	-133.23M		
Sahaviriya Steel Industries PCL	-107.71M		

Profiles & Contacts

- 24,000 institutions
- 58,000 funds
- 200,000 contacts
- Portfolio holdings for 36,700 equity funds

ESG - Environmental Social & Governance View

A new ESG view has been added to Company Overview, and displays company level Environmental, Social & Governance data measures both historically and in comparison to industry peers (by using the new ESG Scores).

The screenshot displays the Thomson Reuters ESG view interface. The main table shows various environmental metrics from 2004 to 2015. Two pop-up windows provide detailed information for 'Emissions'.

	2004	2013	2012	2011	2010	2009	2008	2007	2006	2005
EMISSIONS										
Ratio Emissions	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
Targets Emissions	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
Biodiversity Impact Reduction	79.0									
Greenhouse Gas Emissions	3,208,405	2,910,000								
CO2 Equivalent Emission Total	1,776,000	1,776,000								
CO2 Equivalent Emission Direct	801,000	801,000								
CO2 Equivalent Emission Indirect	975,000	975,000								
CO2 Equivalent Indirect Emissions, Scope 3	1,062,000	1,062,000								
Carbon Offsets/Credits	--									
Estimated CO2 Equivalent Emission Total	1,776,000	1,776,000								
CO2 estimation method	Reported									
Emissions Trading	79.0									
Greenhouse Gas Emissions	79.0									
Climate Change Commercial Risk Opportunities	79.0									
Filing Status	--									
Green-Declining Substances	--									
NOx and SOx Emissions Reduction	79.0									
NOx Emissions	10									
NOx Emissions	10									
VOC or Perchloroethylene Emissions Reduction	79.0									
VOC Emissions Reduction	79.0									
Particulate Matter Emissions Reduction	79.0									
VOC Emissions	100									
Total Waste	8,800,000	8,800,000								
Waste Recycling Ratio	79%									
Hazardous Waste	4,320,000	4,320,000								
Waste Total	170,000	170,000								
Non-Hazardous Waste	250,000	250,000								
Waste Recycled Total	110,000	110,000	100,000	100,000	170,000	110,000	100,000	100,000	110,000	100,000
Waste Recycling Ratio	79.11	79.74	77.64	77.64	79.86	77.12	79.8	79.12	79.11	79.11
Hazardous Waste	10,000	10,000	10,000	10,000	5,000	5,000	5,000	5,000	5,000	5,000
Waste Reduction Total	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
Waste Reduction	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
Discharge into Water System	--									
Water Discharged	--									
Water Pollutant Emissions	--									

Pop-up 1: Emissions
 Title: Emissions
 Description: Does the company have a policy to improve emission reduction?
 Period: 2015
 Source 1: Sustainability Performance Report 2014
 URL: http://www.pfb.com/medialibrary/attachments/central/docs/sustainability-performance-report2014_all_group-11232014/sustainability-performance-report.pdf
 Publisher: ABB Ltd
 Publication Date: 30/09/14
 Page Number: 18
 Abstract: Logistics and packaging Programs to optimize logistics continued during 2014, resulting cost savings, improved quality and reduced emissions. Our global packaging optimization project continued to make progress. The project involves systematic review of packaging needs and assessment of the potential to optimize packaging, box, size and weight. Improved packaging and shipping can increase transport efficiency, thus reducing emissions...
 Scope: Global
 Comment: --

Pop-up 2: Emissions
 Title: Emissions
 Description: Does the company have a policy to improve emission reduction?
 Period: 2015
 Source 1: Sustainability Performance Report 2014
 URL: http://www.pfb.com/medialibrary/attachments/central/docs/sustainability-performance-report2014_all_group-11232014/sustainability-performance-report.pdf
 Publisher: ABB Ltd
 Publication Date: 30/09/14
 Page Number: 25
 Abstract: Logistics and packaging Programs to optimize logistics continued during 2014, resulting cost savings, improved quality and reduced emissions...
 Scope: Regional
 Comment: --

Key features/benefit:

- ESG scores at overall and all category levels.
- Links to the original sources for full transparency.
- Hover-over feature which graphically displays company performance to peers.
- Export to Excel or PDF.
- Expand All / Collapse All.

Watch list Pulse



Figure 1: Earnings Season integration

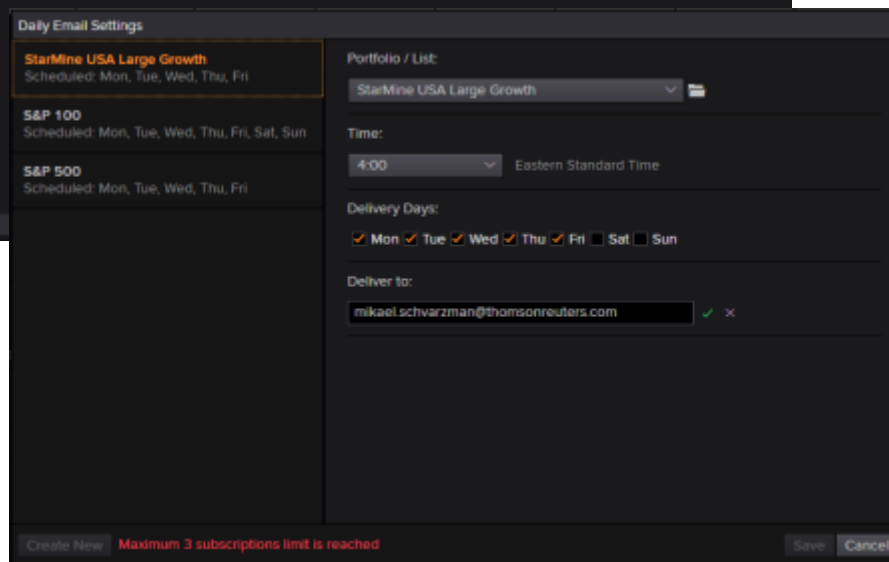


Figure 2: Daily Email of Activity Summary

Key features/benefit:

- Added New activity setting for Financial Highlights.
- Added New activity setting for Estimate Related Highlights.
- Added New activity setting for Recommendation Highlights.
- Added Additional Columns in Pulse Grid for all new Highlights.
- Support Download to PDF Functionality.
- Integrated Earnings Season App as a Tab in PULSE.
- Added Right-Click Related Menu.
- Daily Email of Activity Summary.
- Display Count of Research Documents.
- Display Research Headlines Rather than Flags Triggered.
- Display Events Headlines Rather than Event Flags Triggered.
- Display Filings Headlines Rather than Filings Flags Triggered.
- Monitor Internal Research Activity.
- Click-Through to Display Underlying Companies.
- Support Importing Templates.
- Printing and Output to PDF.
- Open in Monitor from Audit Window.

Aggregates App

The screenshot shows the Thomson Reuters Aggregates App interface. At the top, there are filter settings: Universe: All Active Equities, Geography: Standard Global Regions, Business Classification: All, and Market Cap: All. Below this is a table with columns for various financial metrics. The 'Telecommunications Services' row is highlighted with a yellow box.

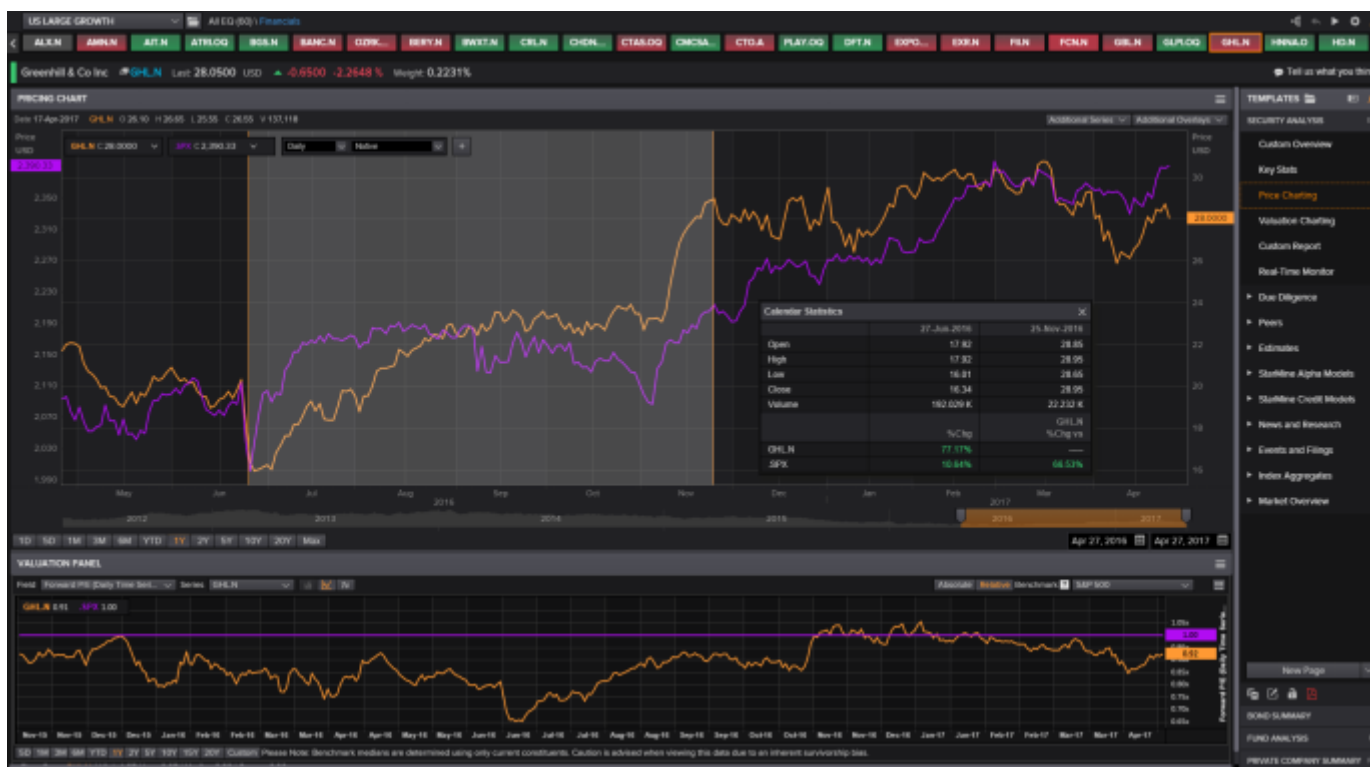
Filters	Trailing Valuation	PIE (Daily Time Series Ratio)	Enterprise Value To EBIT...	Enterprise Value To Sales (Daily TL)	Price To Cash Flow Per Share (Daily TL)	Price To Book Value Per Share (Da...	Dividend Yield, Perce...
Universe: All Active Equities	All (27747)	22.65	12.77	2.03	9.89	2.00	2.66%
Geography: Standard Global Regions	Telecommunications Services (341)	24.52	7.24	2.20	6.20	2.17	3.77%
Business Classification: All	Utilities (1247)	20.61	9.96	2.26	6.33	1.53	3.85%
Market Cap: All	Consumer Cyclical (4356)	21.25	10.69	1.30	11.72	2.47	2.26%
	Basic Materials (3052)	25.91	10.94	1.63	9.75	1.87	2.41%
	Energy (1291)	162.41	11.61	1.56	8.24	1.44	3.46%
	Industrials (4687)	27.84	12.57	1.48	12.67	2.74	2.08%
	Consumer Non-Cyclicals (2051)	26.67	13.36	1.35	14.17	3.38	2.36%
	Technology (3077)	28.51	14.23	2.28	15.46	3.77	1.80%
	Healthcare (1987)	33.56	14.71	2.87	18.34	3.50	2.12%
	Financials (6181)	13.67	15.35	3.50	6.35	1.23	3.49%

Key features/benefit:

- Click-Through to Display Underlying Companies
- Support Importing Templates
- Printing and Output to PDF
- Open in Monitor from Audit Window

Figure 1: Click-Through to Underlying Companies

Routines App



- Valuation Panels
- Pricing Chart
- Synched Time Periods
- Added TRBC Sector and Industry Overlays to Pricing Chart
- Added Additional Overlay Menu, with Multi EPS Types, to Pricing Chart
- Added Copy / Paste a Page or Folder Feature
- Added Equity Index Aggregate Charts to the Sample Equity Routines and Datastream Chart
- Enhanced Customized Page Building through New Single Fund and ETF Overview Sourced Widgets
- Added Active Portfolio for Routines Pricing Chart
- Added New Views to Company Snapshots Widget
- Changed Workflow on Current Security Manual Switch
- Added current date to the security header in PDF output
- Added Calendar Slider and Statistics
- Added Individual 'Headlines' Widgets to Display News, Research and Events Information

Figure 1: Valuation Panels

- Replaced Existing Company Overview with the 4 New Company Overviews
- Added New Company Views to the 'Company Views' Widget
- Divided the 'Datastream Charts' Widget into two Separate Widgets
- Added Option to Include All Portfolio / List Securities in Slideshow
- Support for Printing Logos using the 'Text' Widget
- Added 'Additional Series' Feature on the Fund / ETF Pricing Chart

Key Stats

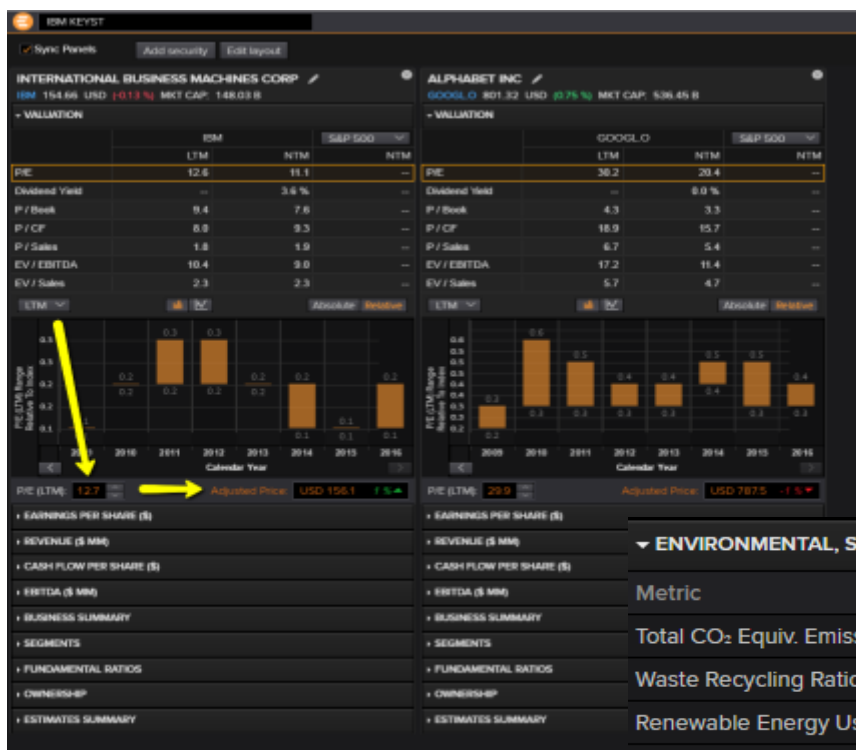


Figure 1: What If Analysis

Valuation Widget – Updates Add Mean Estimate option, Reset button, and What If Analysis for Div Yield

New Environmental, Social & Governance (ESG) Layout Component

Valuation widget – Added NTM data

- Current NTM data for security
- Current NTM aggregates data for 20 indices

Valuation widget – Added Chart options

- Historical LTM and NTM Charting (for security and index)
- Charting in absolute and relative (to benchmark) mode and 2 types (high / low range chart and line type)

Added ‘What If’ Analysis

- Key stats now allows users to incorporate and adjust LTM (Last Twelve Months) P/E and view a corresponding adjusted stock price.

Added Additional Revision History

- Key stats now allows users to choose between a longer (360 days) revision history in addition to the pre-existing 90 days revision.

ENVIRONMENTAL, SOCIAL & CORPORATE GOVERNANCE			
Metric	AMD.O (FY'...	YoY%	Ind. Median
Total CO ₂ Equiv. Emissions (To...	195,533	-5.3%	192,985
Waste Recycling Ratio	73.78%	-3.2%	84.98%
Renewable Energy Use	0.1038	-35.0%	0.1370
Employee Turnover	20.00	4.0%	11.95
Donations to Revenues	0.0000	-60.3%	0.0018
Salary Gap	15,231.28	> 99%	1,803.60
% Female on Board	16.67%	6.7%	11.11%
% Independent Board Members	85.71%	23.8%	81.82%
CEO Compensation Link to TSR	No	N/A	N/A
Total Injury Rate	0.70	40.0%	1.38

Figure 1: ESG Widget

Advanced Events App (ADVEV)

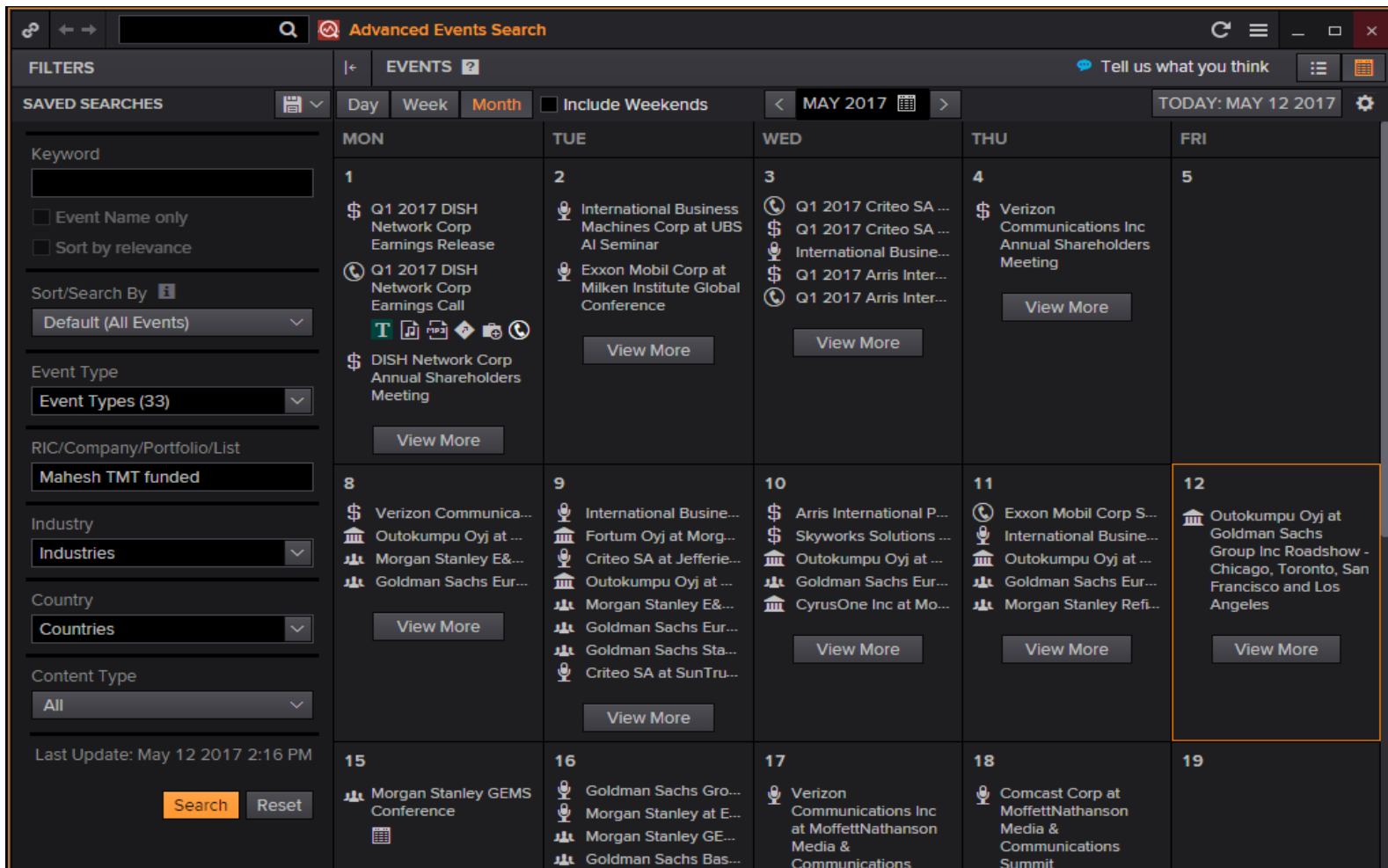


Figure 1: Advanced Events App

Key features/benefit:

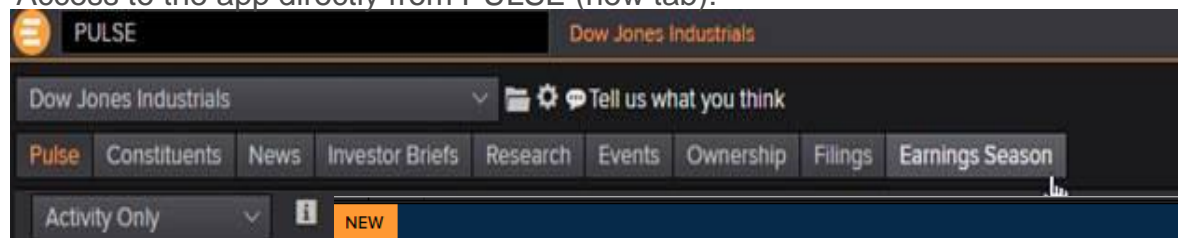
Advanced Events App (ADVEV) includes two other types of events ('Economic' and 'General') but these are not relevant at a company level and as a result not included as a choice.

Results are reflected in the Activity Summary Graphics Bar and the expanded row Activity Summary information.

Earnings Season App

The Earnings Season App provides daily updates on the progress of each earnings season as it unfolds offering timely insight into developing trends. December 2016 Phase 2 updates here help provide more transparency into the earnings related content and our analytics. Important enhancements include those made to 'search' and the need for capability to flag companies in a specified list to simplify discoverability. Also improved is navigation to and from other related Eikon Apps.

Access to the app directly from PULSE (new tab):



- View Reported Actual, Mean Estimate, and Smart Estimate inputs to Surprise and Growth calculations
- Access App directly from PULSE
- Click-thru navigation from Surprise values in report to historical details

EARNINGS SEASON

Universe: **Maresh TMT funded** Geography: **Countries (United States)** Business Classification: **Technology** Market Cap: **Large and Mid** Reporting Period: **Quarterly**

Revenue Analysis

Q1 EARNINGS SEASON REPORT - USD

Identifier	Report Date	Q1 2017			Q1 Surprise		Q1 YoY Growth		Q2 Revisions		Price Reaction -2d			Price Ch
		Reported Actual	Mean Estimate	SmartEstima	Reported Actual	Yet to Report Predicted	Reported Actual	Yet to Report SmartEst	Reported Mean Chg ...	Yet to Report Mean Chg % -30d	Beat	Met	Missed	Yet to Report
▼ Yet to Rep...			4,247,885,7...	4,249,386,1...		0.0%		15.0%		0.0%				9.4%
SMTC.OQ	30/05/...		145,516,670	145,462,890		0.0%		10.9%		-0.7%				12.5%
AVGO.OQ	01/06/...		4,102,369,0...	4,103,923,2...		0.0%		15.2%		0.0%				9.4%
▼ Reported (...)		25,269,23...	25,454,322...	25,447,846...	3.4%		22.5%		3.1%		1.3%		-0.3%	
SWKS.OQ	27/04/...	851,700,0...	840,368,270	840,751,230	1.3%		9.9%		2.6%		-3.1%			
NFLX.OQ	17/04/...	2,636,635...	2,641,409,4...	2,648,667,3...	-0.2%		34.7%		0.1%				0.3%	
MXIM.OQ	20/04/...	581,216,0...	575,729,910	576,119,920	1.0%		4.7%		1.9%		0.7%			
JNPRN	25/04/...	1,221,000...	1,204,885,5...	1,207,081,7...	1.3%		11.2%		0.5%		4.2%			
IBM.N	18/04/...	18,155,00...	18,394,227...	18,377,654...	-1.3%		-2.8%		-1.4%				-5.5%	
FTNT.O	27/04/...	340,576,0...	334,450,390	335,017,190	1.8%		19.7%		0.6%		-2.3%			
ARRS.OQ	03/05/...	1,483,105...	1,463,251,1...	1,462,554,9...	1.4%		-8.2%		-0.5%		6.1%			

Fund Views | Extended Holdings Data

Access to Full Holdings breakdowns and histories

The screenshot shows the 'Fidelity Special Situations A Acc' fund overview. It features several data visualization components:

- All Capitalization Allocation:** A table with columns for Security, Current, Weight, Change, Market Value (USD), Number of Shares, and Market Cap (USD Mil).
- Industry Sector:** A pie chart showing the distribution of the fund's holdings across various sectors, with a legend on the right.
- Investment Country:** Another table similar to the All Capitalization Allocation table, showing the geographical breakdown of the fund's assets.

Multiple views for accessing multiple holdings breakdowns

This screenshot shows the 'FULL HOLDING' table for the fund. The table has columns for Security, Current, Weight, Change, Market Value (USD), Number of Shares, and Market Cap (USD/Mil). A 'Column Manager' dialog box is open, allowing users to customize the data view. The dialog includes a list of columns with checkboxes:

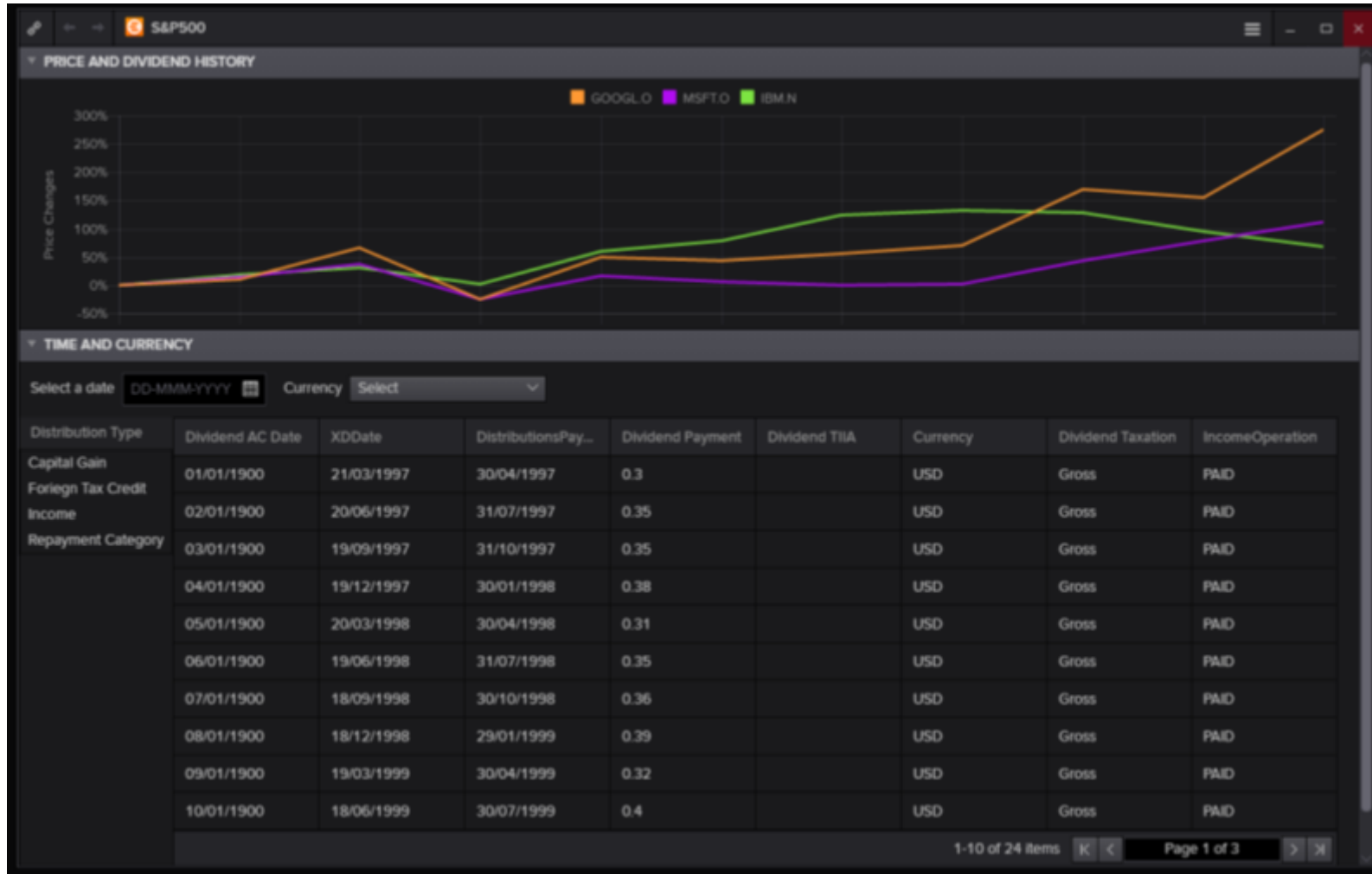
- Security
- Current
- Weight Prev
- Change
- Market Value (USD)
- Number of Shares
- Market Cap (USD /Mil)
- Operating Cash Flow Growth 3 year
- Price to Book Value
- Current
- Change
- Number of Shares

 The dialog also has 'OK' and 'Cancel' buttons at the bottom.

Change data view for full holdings data

Fund Views | Extended Distributions Data

Access to historical distributions.



Key features/benefit:

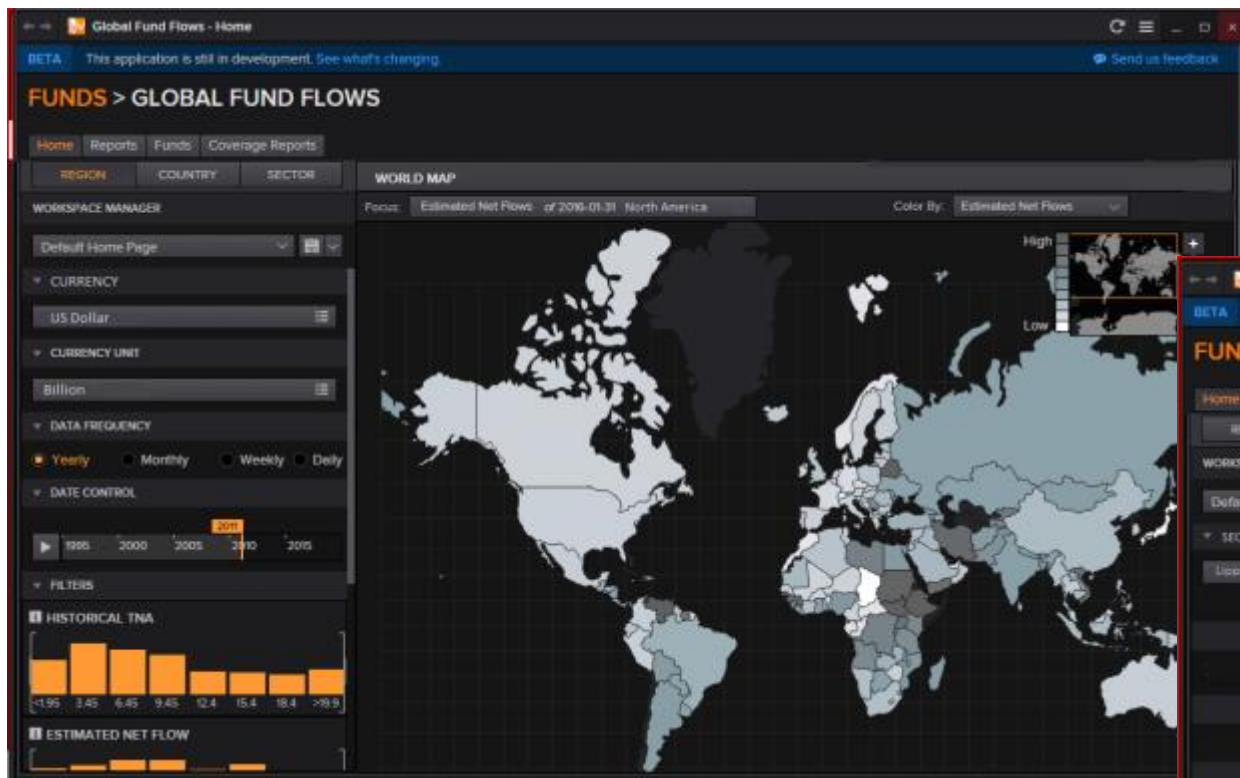
- Access to all Distribution Types collected by Lipper
- Full Histories
- Tabular Views with ability to look at different time periods
- Exports to Excel

* Screenshot is an initial mock up and not final (contains dummy data)

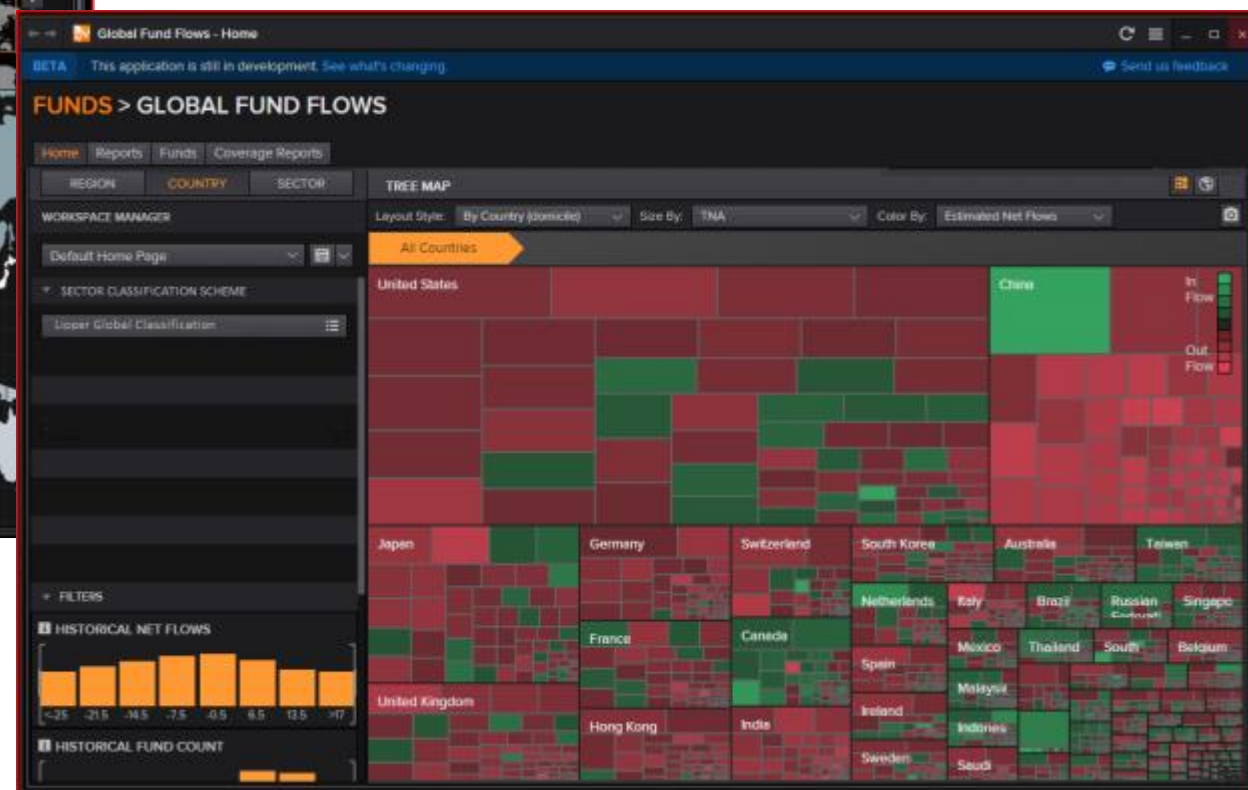
Easier access to full fund distribution data

Global Fund Flows

New data visualization Tools to better analysis fund flow trends.
Drill down options for reports.



Ability to view geographical data with multiple new variables

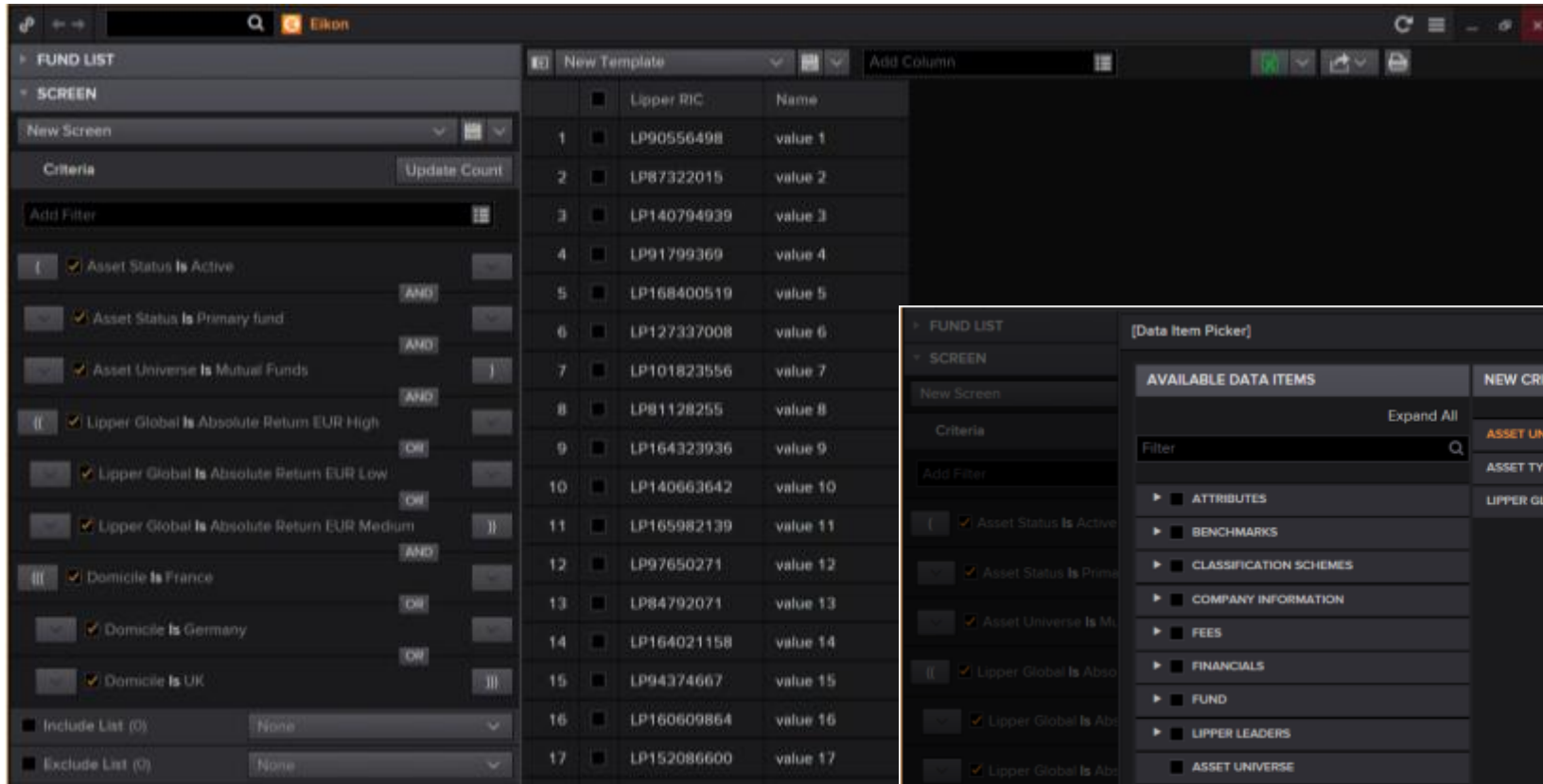


Heat maps for countries and Classifications

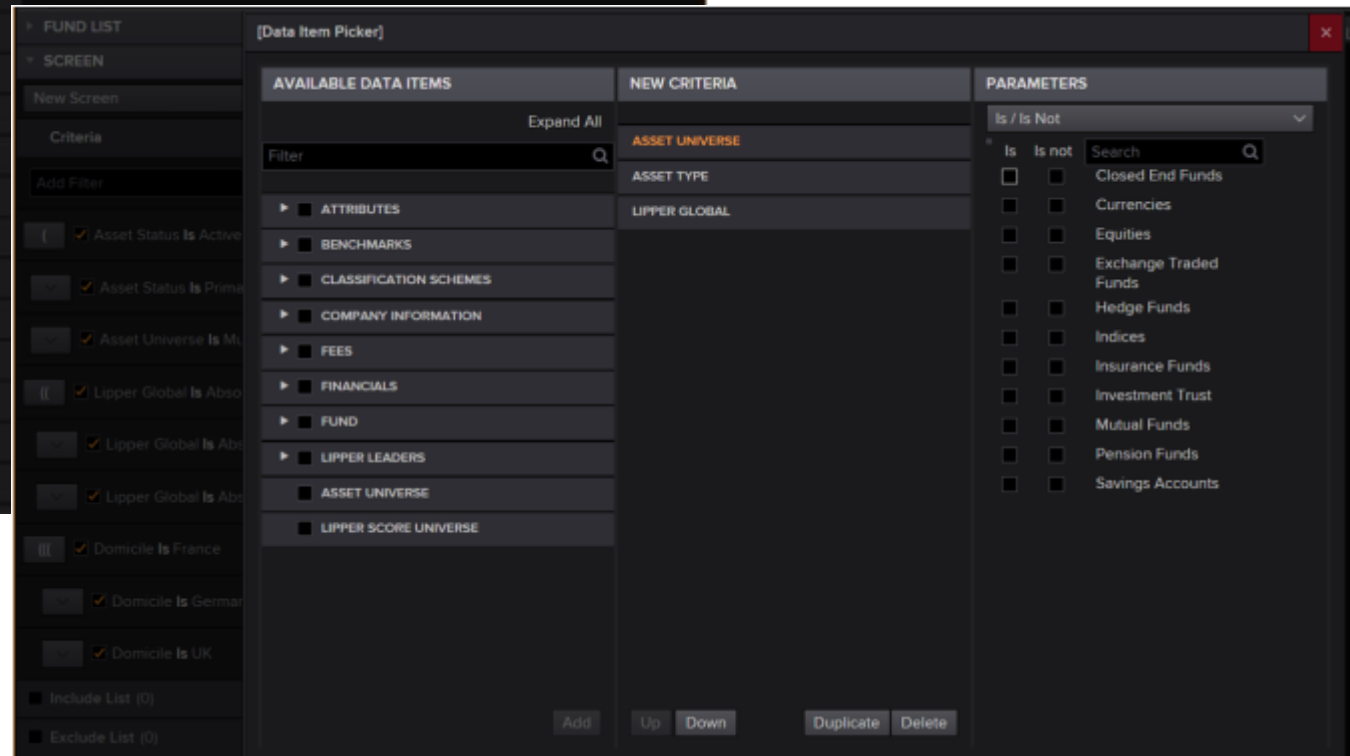
New Fund Screener & Reporting App | Phase 1 Screening

The Fund Screening & Reporting App will integrate Lipper’s powerful screening capability into Eikon.

- Parity with the Lipper IM Screener.
- Access to 100s of additional data points for the report section.
- Ability to perform static fund searches.
- Creation of lists that can be stored in PAL for use in other Eikon apps.
- Saving of screening criteria and report templates.
- Links to monitor.
- Export to Excel.



Screening Criteria & Report Template



Data Item Picker

New Fund Screener & Reporting App | Phase 1 Funds

	Lipper RIC	Name
1	LP90556498	value 1
2	LP87322015	value 2
3	LP140794939	value 3
4	LP91799369	value 4
5	LP168400519	value 5
6	LP127337008	value 6
7	LP101823556	value 7
8	LP81128255	value 8
9	LP164323936	value 9
10	LP140663642	value 10
11	LP165982139	value 11
12	LP97650271	value 12
13	LP84792071	value 13
14	LP164021158	value 14
15	LP94374667	value 15
16	LP160609864	value 16
17	LP152086600	value 17

Fund List & Report Template

[object HTMLDivElement]

Name: ab

SEARCH RESULTS (20)

Name	Status	ID	Domicile	Universe
AB FCP I-Global Eq...	Active	600931...	Luxemb...	
ABN AMRO MMF K...	Active	683286...	Luxemb...	
ABN AMRO MMF S...	Active	682419...	Luxemb...	
ACATIS Fair Value ...	Active	600351...	Germany	
AEAM Dutch Mortg...	Active	682378...	Netherla...	
AEAM European Cr...	Active	600995...	Netherla...	
Abbey National Ext...	Merged	600086...	UK	
Accent Fund Bond...	Active	600668...	Belgium	
Accent Fund Short ...	Active	680235...	Belgium	
AcomeA Breve Ter...	Active	600182...	Italy	
Acti PEA	Merged	650090...	France	
Actiprimes Escale	Liquidated	600395...	France	

Fund List Editor

Improved (HTML5) Reporting Tool

This release of Report writer brings key initiatives to report creation. Algorithms allow you to create functions and integrate different data items with each other and with aggregates. Manage those aggregations by applying outliers to control excessive data that may otherwise skew your analysis. Converted lists can now be used back in time allowing you to get synthetic returns for your group of stocks. Sharing templates now allows you to create reports and distribute to your team or investment group.



Key features/benefit:

- Choose outliers to effectively control which securities are included in your aggregates.
- Use custom algorithms to manipulate the raw data to your needs.
- Share templates with others to allow division wide templates.
- Use conditional formatting to highlight figures in your report.
- Apply enhanced Fixed income analytics on your portfolios.

Figure 1: HTML5 Portfolio Analytics

Financial Chart App

The Financial Chart is the next generation cross asset charting platform that is delivered in a simple and easy to use interface with left hand navigation and toolbar controls that is built using in HTML5 and rendered in D3 giving users a much richer visualization experience.



Key features/benefit:

- Chart multiple types of price series including: Absolute Price, Rebasing, Relative Performance and Total Return.
- Total Return (only for equities in the first release).
- Ability to compare a stock against its peers, related indices or industry and sector.
- Ability to do currency conversion on all price series.
- Add company event markers (dividends, research, analyst rating changes, earnings surprise, capital changes and Reuters Investor briefs).
- Overlay technical studies (moving averages, bands, oscillators).
- Draw basic trend lines.
- View Statistics (High, Low and Average of range displayed).
- Export Raw data to excel and view in table.
- Ability to export image.

Intraday Market Share Reporter (iMSR)

iMSR is an intraday volume, turnover and trade count analytic that allows the user to compare intraday stock data against historical averages and evaluate intraday key liquidity movement across competing venues

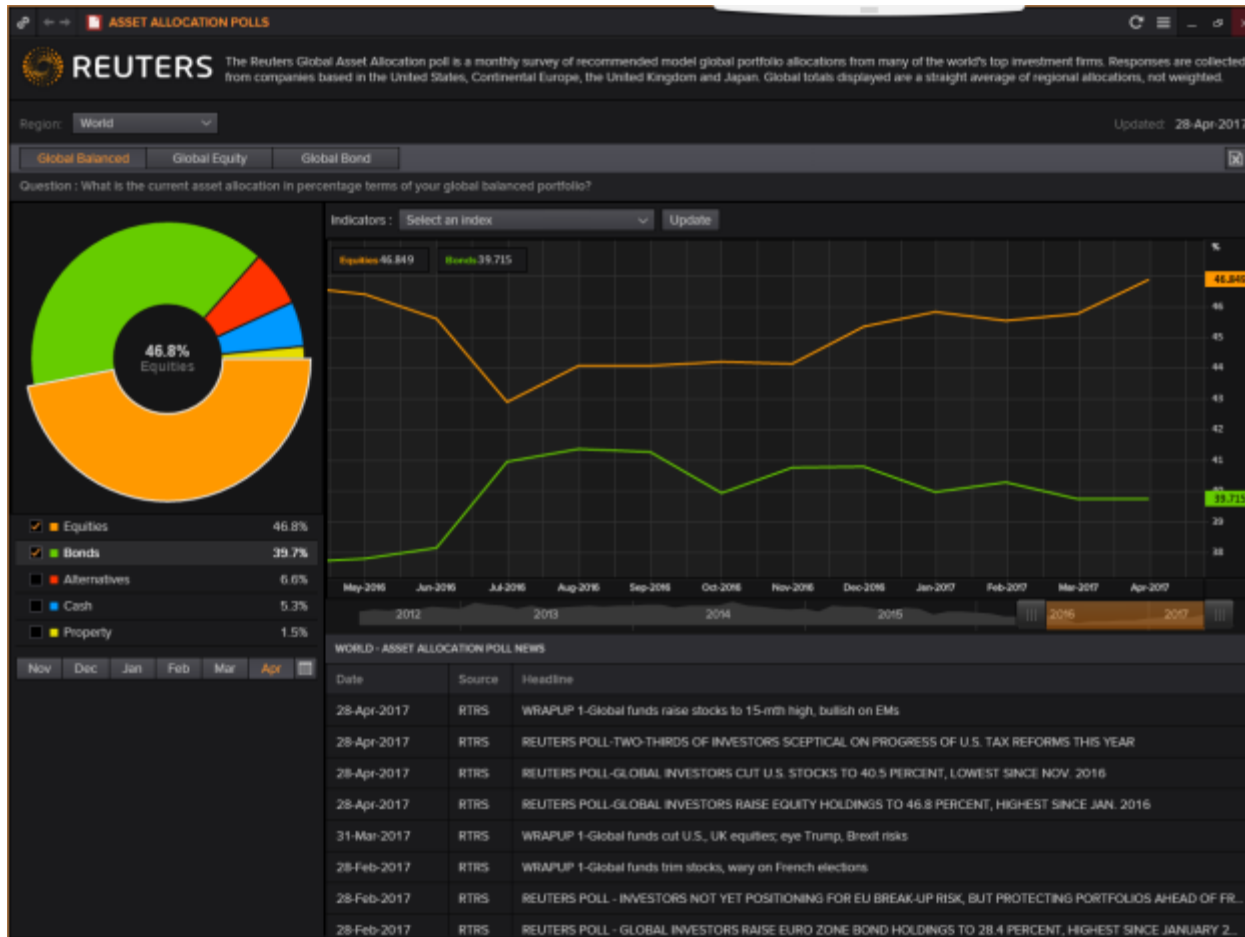


Key features/benefit:

- Volume, Turnover and Trade Count Analysis
- Historical ADT and ADV with multi venue breakdown and market share analysis.
- Input parameters include Interval Bucket options, Daily Average Comparison options.
- Results provide rich visualization of:
 - Daily Market Share vs. Average market Share
 - Daily Volume vs. Average Daily Volume
 - Daily Turnover vs. Average Daily Turnover
 - Daily Trade Count vs. Average Daily Trade Count
 - Results broken down per Venue
 - Results for aggregated totals trading in all venues
 - Interval Volume At Time vs. Average Interval Volume at Time
 - Accumulative Volume At Time vs. Accumulative Volume at Time
- Covers over 150 trading & trade reporting venues across Canada, US, Europe and Asia/Pacific.

Asset Allocation Polls (AAP)

The Reuters Global Asset Allocation poll is a monthly survey of recommended model global portfolio allocations. It is sourced from many of the world's top investment firms.

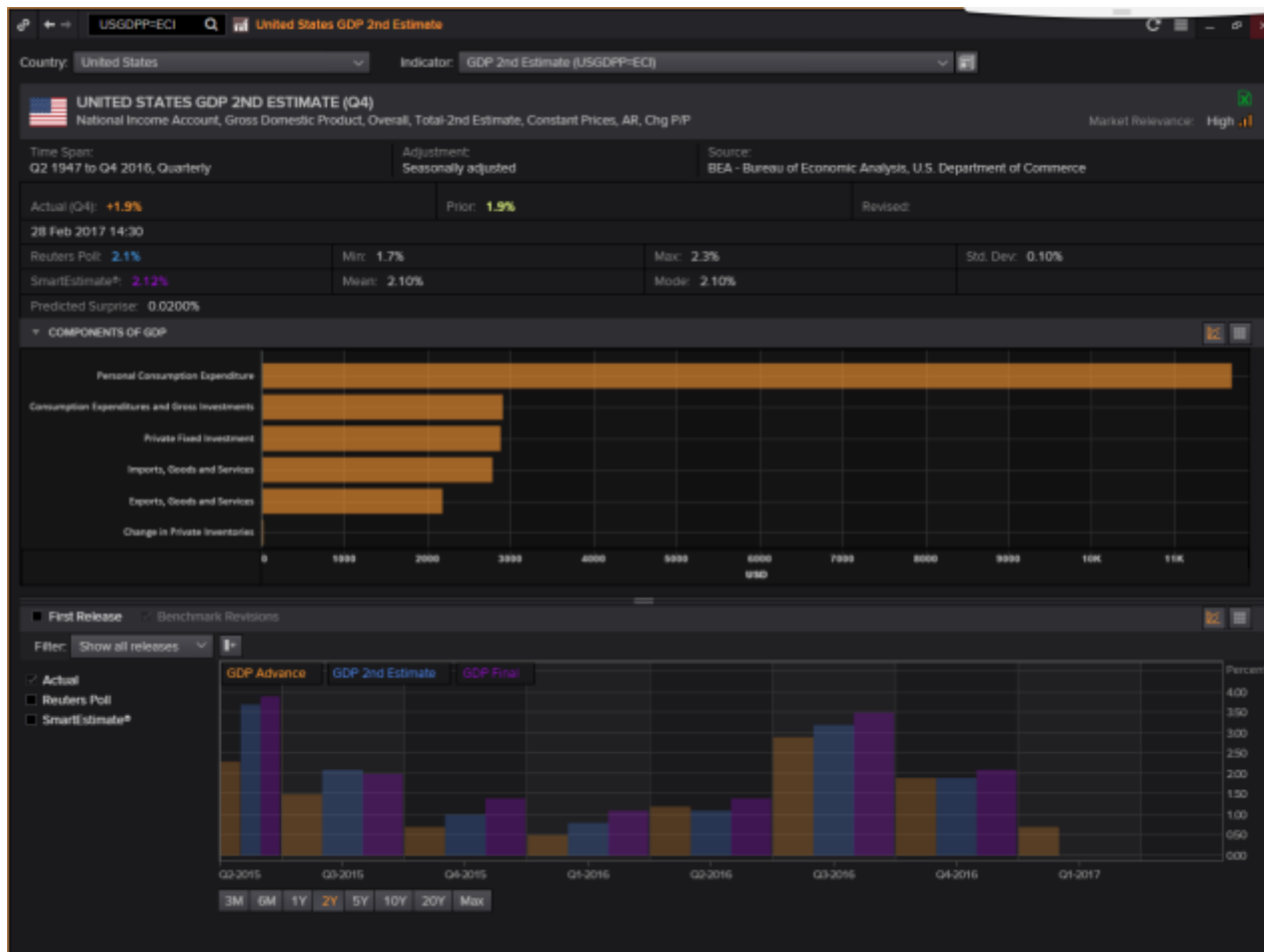


Key features/benefit:

- Covers United States, United Kingdom, Europe, Japan as well as an overall 'World' view.
- Track back historical portfolio asset allocations to see how, for example, bond allocations compare with equity allocations over time.
- Look for correlations between how top Fund Managers have allocated their assets and how various stock markets have performed over time.
- Export complete poll history to Excel.
- Note this is an anonymous poll, meaning that Reuters does not publish the names of its survey contributors.

Economic Indicators (ECONIND)

The Thomson Reuters Eikon dictionary of Economic Indicators. Simply choose your country and search for an economic indicator to get the detail you need.

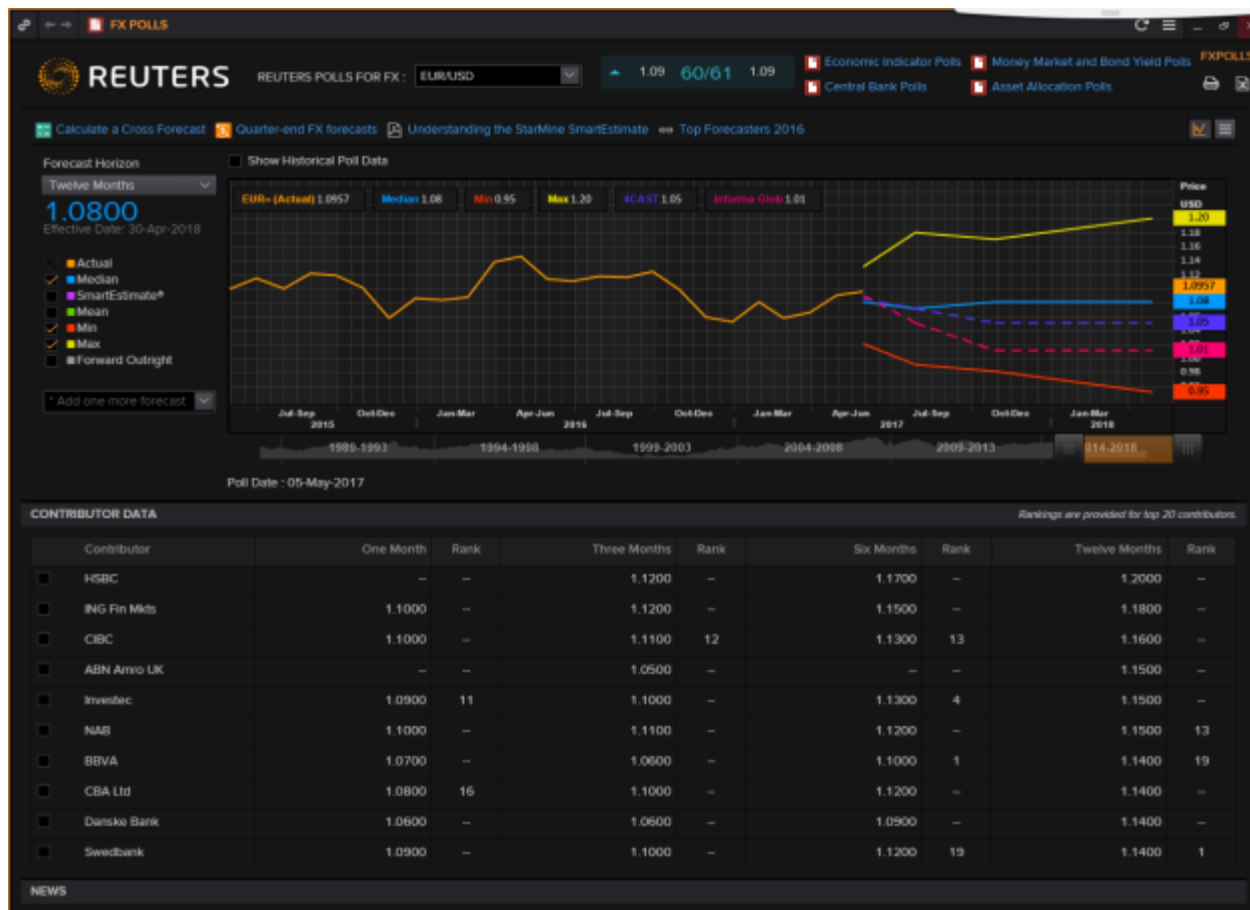


Key features/benefit:

- Provides the complete story of any economic indicator.
- For GDP and CPI, gain a more granular insight into the components which make up the final figure.
- Visualise each revision of GDP.
- Access the latest press release from the related statistics agency.
- View the data in chart or table format.
- Download the complete history of the indicator into formula-driven Eikon Excel.

FX Polls (FXPOLLS)

Gain insight into future exchange rate expectation over the coming 1, 3, 6, and 12 months for over 50 currency pairs spanning the Majors, LatAm, Asia and some key African currencies.



Key features/benefit:

- Follow the news which drives FX Forecasts.
- Track the most accurate forecasters using StarMine's forecaster rankings.
- Download latest poll data to Excel.
- Download complete history of a poll into formula-driven Eikon Excel, including individual forecaster contributions.

TR Digest Alerts

The TR Digest Alert notification is a personalized digest of news and company information and is highly tailored to a user's interests. It summarizes the most important news, data and information from across Thomson Reuters in a concise and easily digestible format. Driven by customer demand for a FactSet StreetAccount-like capability for Buy and Sell side analysts. It also supports the needs of many additional cross-asset user types.

MORNING BRIEFING | 11 NOVEMBER 2016

MARKETS SUMMARY

GLOBAL MARKETS-Dollar hits 7-month high after ECB's [Draghi](#), pressures oil, stocks

- [Draghi](#) comments, U.S. home sales data boost US dollar
- U.S. dollar index hits highest since March 10
- Euro falls to lowest since June 24
- Dollar gain knocks oil price and hurts stocks
- Global gauge of equities hits one-week high, then moves lower

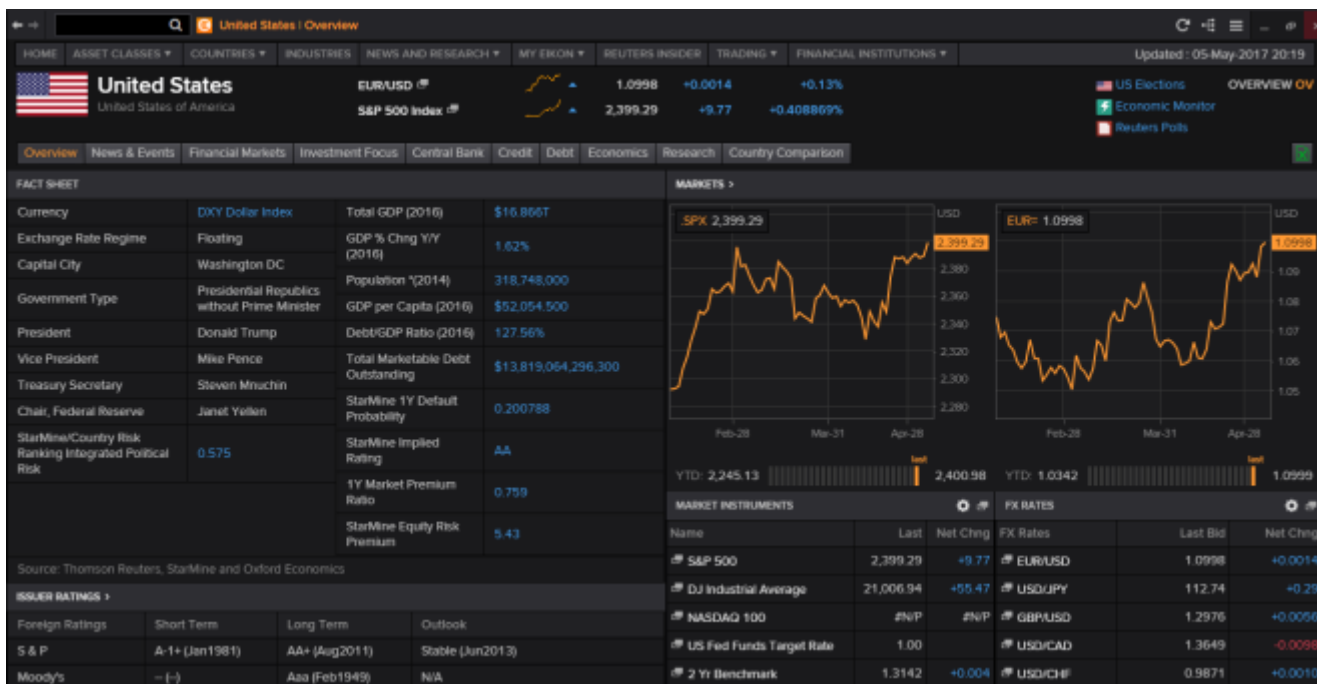
US STOCKS-Wall St rallies on earnings optimism

- S&P 500 earnings now expected to show Q3 growth

- Leverage Alerts Builder / Manager UI to enable users to subscribe to and manage their personalized briefing
- Leverage Alerts backend to collect data, schedule, package and deliver the digest email
- Users configure their digest alerts to include (or not include) various content
- Key content of the Digest to include:
 - Global Markets Summary
 - Regional Markets Summary (Americas, EMEA, Asia)
 - Top News Front Page
 - Top News Industry Sector
 - Portfolio Activity Summary
 - Company Activity Summary
- Portfolio and Company Activity Summaries to include:
 - Significant News
 - Recommendation increases/decreases
 - New Financial Highlights
 - Estimate Highlights
 - Significant StarMine model score changes
 - Research Headlines

Country & Regional Guides

Providing a Macro view of 135 Countries and 22 Regions. Simply type the country/region name in Eikon Search to access the relevant guide.



- Provides a comprehensive overview of the Country/Region.
- Access to complete Reuters News coverage relevant to the Country/Region.
- Financial Markets coverage, including Equity and FX asset specific overviews where relevant.
- In-depth coverage of the Central Bank as monetary authority of the domestic economy.
- Access to complete coverage of Events including central bank, economic, government debt auction, holiday, and political events.
- Economic Overview with complete Macro Profile of the country's economic indicators.
- Country Comparison providing in-depth comparison of financial instruments and economic indicators of countries within a geographic region or socio-economic country grouping.

European Elections App

- Breaking news, market data, commentary and analysis leading up to and after the upcoming elections in key European countries such as The Netherlands, France, Germany, Britain and South Korea.
- Inter-day analysis, data visualizations and interactive graphics across a variety of key economic indicators and capital markets including foreign exchange, equities and fixed income.
- Links to related apps such as Country Guides, Economic Monitor, Macro Explorer and the Global Markets Forum.
- To open the app, type 'European Elections' into the Eikon Search box and select from Autosuggest.

Top stories, analysis, & commentary

Timetable of election events & results

Trusted Thomson Reuters market data using interactive graphs

Eurozone Economic Snapshot

Latest Reuters news on the European elections

CNBC Live Alerting

- If a company in a user’s portfolio or watchlist is mentioned on either CNBC US or CNBC World, they will receive an automated alert informing them.
- This links directly to the live content.
- Search ‘CNBC Live Alerts’ in News Monitor.

The screenshot displays a software interface for monitoring CNBC live alerts. On the left, a 'FILTERS' panel includes options for 'Source' (News Wires, Global Press, Web News), 'Search Mode', 'Headlines' (Headline & Story Text), 'Include' (Alerts, Research, Video), and an 'Advanced Filter' section with an 'Add' button. The main area features a table of alerts with columns for Time, Source, RICs, and Headline. Below the table are navigation tabs for 'All Video', 'CNBC US', and 'CNBC WORLD'. The right side of the interface shows a live video feed of a news anchor, Sheryl Sandberg, with her name and title 'FACEBOOK COO' overlaid. At the bottom, a financial ticker displays market data including 'SQUAWK ON THE STREET', 'FACEBOOK BEATS, STOCK SLIPS', and various commodity and stock prices.

Time	Source	RICs	Headline
10:37:41 AM	CNBC	NFLX.O	Now on CNBC Live: Netflix Inc
10:34:03 AM	CNBC	AMZN.O	Now on CNBC Live: Amazon.com Inc
10:31:25 AM	CNBC	6758.T	Now on CNBC Live: Sony Corp
10:29:53 AM	CNBC	TWTR.N	Now on CNBC Live: Twitter Inc
10:24:51 AM	CNBC	AAPLO	Now on CNBC Live: Apple Inc
10:24:23 AM	CNBC	FB.O	Now on CNBC Live: Facebook Inc
10:15:14 AM	CNBC	AAPLO	Now on CNBC Live: Apple Inc
10:11:05 AM	CNBC	FB.O	Now on CNBC Live: Facebook Inc
10:01:49 AM			
10:01:48 AM			
09:57:05 AM			
09:50:25 AM			
09:50:24 AM			
09:45:47 AM			
09:42:09 AM			
09:42:07 AM			
09:41:33 AM			
09:38:29 AM			
09:37:26 AM			
09:37:24 AM			
09:36:52 AM			
09:32:38 AM			
09:32:08 AM			
09:31:35 AM			
09:30:35 AM			
09:30:34 AM			
09:30:32 AM			
09:30:02 AM			
09:30:01 AM			
09:29:28 AM			
09:27:56 AM			
09:27:55 AM			



CONTINUOUSLY ENHANCING YOUR EXPERIENCE