

Bloomberg Equities Workflow

June 2025

BLOOMBERG TERMINAL

Bloomberg



General Motors Co. As of
Filter By
Color Coding

Magna International	Rev: 16.00B	COGS: 4.66B
Lear Corp	Rev: 20.20B	COGS: 3.30B
American Axle & M	Rev: 39.00B	COGS: 1.40B
Komatsu Ltd	Rev: 0.43B	CAPEX: 1.40B
ZF Friedrichshafen	Rev: 3.20B	COGS: 1.40B
Aptiv PLC	Rev: 8.00B	COGS: 1.40B
LG Energy Solu	Rev: 8.00B	COGS: 1.40B
Forvia SE	Rev: 5.00B	COGS: 1.40B
Meeteer Autom	Rev: 14.30B	COGS: 1.40B
Linamar Corp	Rev: 17.46B	COGS: 1.40B
BorgWarner	Rev: 6.84B	COGS: 1.40B
Cleveland-C	Rev: 4.70B	COGS: 1.40B
Denso Com	Rev: 2.44B	COGS: 1.40B
Hyundai M	Rev: 2.37B	COGS: 1.40B
Sumitomo	Rev: 3.18B	COGS: 1.40B

30Y

Debt Distribution

Curr USD

Hide Statistics

Entity 1

Ticker

GM

Total Debt (USD)

88,595.87MM

Total Issues

141

WtAvg Fixed Cpn

4.15

WtAvg Mty

10/17/2028

WtAvg Yrs

4.91

6.152 / 6.127

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Security Description: Bond

Buy

Sell

Basic Information

General Motors (GM US Equity) | DES =

and automobile parts. The Company designs, builds, and sells cars, trucks, crossovers, accessories, maintenance, satellite radio, and automotive financing services. General Motors provides its vehicles and services worldwide. ... More

Fundamental Highlights - USD

Current Market Capitalization	39,057.60 MM
EBITDA Margin	13.08 %
EBITDA to Total Interest Expense	26.22
Long Term Debt to Total Capital	
EV to Trailing 12M EBITDA	
7) Credit Rating CRSP	
Moody's	

11/20/23

09/30/22

Segment Revenue

Service	0.00	0.00
Vehicle	0.00	0.00
Operating Income	0.00	0.00
Revenue	0.00	0.00
Service	0.00	0.00
Vehicle	0.00	0.00

Segment Data [2]

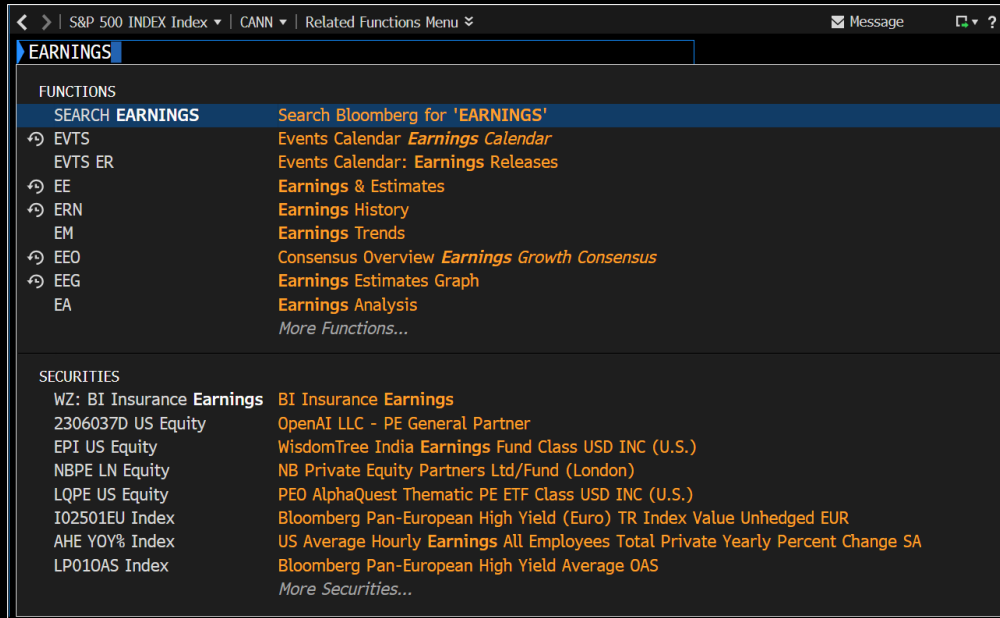
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<F1> <F1> on keyboard for live help, <ESC> for sales representative /account manager details

*Enterprise subscription model may apply, contact sales for more information

Bloomberg Terminal Navigation and Live Help



- Start typing into navigation bar to get a list of suggested terminal functions e.g. EARNINGS
- Enter a query in navigation bar for natural language search results e.g. **S&P500 PE RATIO <GO>**
- Hit F1 key twice to get access to live help on the Bloomberg terminal
- Hit F1 key once on any function to get help documentation
- Hit ESC key once to get the phone number of your Bloomberg sales representative and account manager
- **BPS <GO>** for a list of training documentation by asset class
- **BHUB <GO>** for list of key terminal functions by user type

(I) Market and Portfolio Monitoring

Custom Worksheet/Monitors

- **W <GO>** (Worksheet): Create and share custom worksheets to monitor real-time movements of multiple financial instruments.

Index Prices

- **WEI <GO>** (World Equity Indices)
- **WEIF <GO>** (World Equity Index Futures)
- **WBF <GO>** (World Bond Futures)
- **IN <GO>** (Bloomberg Indices): Data and pricing for Bloomberg's multi-asset class family of indices.

Index Constituents

- **WATC <GO>** (Watchlist Analysis): Compare return, valuation, technical and fundamental metrics across index or portfolio constituents.
- **IMAP <GO>** (Intraday Map): Maps intraday price movements and news activity by sector and region.
- **MOV <GO>** (Index Movers): Best and worst performers within an index.
- **MEMB <GO>** (Index Members): Index constituents and their respective weights.
- **MOST <GO>** (Index Most Active): Track intraday activity with key performance metrics such as price, volume and top news.
- **MRR <GO>** (Member Ranked Returns): Ranks index, basket, or portfolio members by price appreciation or total return.
- **GRR <GO>** (Group Ranked Returns): Ranks equity index groups or subgroups by price appreciation or total return.

Factor Analysis

- **FTW <GO>** (Factors to Watch): Returns grouped by portfolio characteristics, showing which factors are systematically rewarded over time.
- **TLTS <GO>** (Factor Tilts): View portfolio characteristic exposures and compare them against peers or a benchmark universe.

Portfolio Analysis

- **PORT <GO>** (Portfolio and Risk Analytics): Intraday performance monitoring, fundamental characteristics, historical performance attribution, ex-ante tracking error, scenario analysis, and portfolio optimization.
- **PRA <GO>** (Portfolio and Risk Analytics Overview): Documentation for **PORT <GO>** and related topics.

(II) News and Events

News Monitoring

- **NEWS ON {TOPIC} <GO>** (News on Topic): Natural language news search on topic, source or securities, e.g. **NEWS ON US BANKS <GO>**.
- **NI {TOPIC} <GO>** (News Index): News search on specific topic, e.g. **NI FED <GO>**.
- **NH {SOURCE} <GO>** (News Headlines): News from specific publication, e.g. **NH WSJ <GO>**.
- **CN <GO>** (Company News/Security News): News on loaded security, e.g. **AAPL US Equity CN <GO>**.
- **NLRT <GO>** (News Alerts): List of saved or received news searches.
- **NSUB <GO>** (News Subscriptions): Search for subscriptions and news summaries curated by Bloomberg.
- **FIRS <GO>** (First Word): Bullet-point summaries, including press releases, important media reports and analyst ratings.
- **TOP <GO>** (Top News): Curated top news stories for the day.

Earnings Calendar

- **EVTS <GO>** (Company Events): Calendar of corporate events and corresponding details, including transcripts and audio recordings.

Company Documents

- **DS <GO>** (Document Search): Homepage for searching filings, transcripts and research.
- **DS CF <GO>** (Company Filings): Search company documents by company or ticker list.
- **DS TA <GO>** (Transcript Analyzer): Search call transcripts by company or ticker list.
- **DS RES <GO>** (Research): Search analyst reports by company or ticker list.

Economic Calendar

- **ECO <GO>** (Economic Calendar): Economic release calendar, including commodity, government, central bank, and industry data and events.

(III) Financials and Earnings

Security Information

- **DES <GO>** (Security Description): Summary page for key characteristics and background information for selected security.
- **FA <GO>** (Financial Analysis): Standardized financial statements, including both historical and estimated data.
- **GF <GO>** (Graph Fundamentals): Chart fundamental and earnings data.
- **DVD <GO>** (Dividends): Dividend and stock split historical summary.
- **CACS <GO>** (Corporate Actions): Corporate actions including buybacks, capital changes, and distributions.
- **BBK <GO>** (Buyback Summary): Company buyback information and historical execution statistics.
- **HDS <GO>** (Holders Summary): Institutional and insider shareholder information.
- **SPLC <GO>** (Supply Chains): Revenue and cost exposure for a company, its suppliers, and its customers.

Earnings Estimates

- **EEO <GO>** (Earnings Estimate Overview): Consensus earnings outlook by period.
- **MODL <GO>** (Deep Estimates): Company and industry specific historical data, estimates, and models.
- **GUID <GO>** (Guidance): Forecasted and reported management guidance measures.
- **ERN <GO>** (Earnings History): Compare announcements against consensus to gauge stock price reaction.
- **EEG <GO>** (Earnings Estimates Graph): Chart historical changes in consensus earnings estimates.
- **KPIC <GO>** (KPI Comparison): Compare key industry metrics across companies in the sector.
- **ALTD <GO>** (Alternative Data): Intra-quarter insights on company performance.

Equity Screening

- **EQS <GO>** (Equity Screen): Screen for companies that meet a customized set of criteria.
- **FORM <GO>** (Formula Builder): Create custom expression using multiple screening criteria.
- **EQBT <GO>** (Equity Backtesting): Backtest equity screen criteria against historical performance data.

Data Extraction/API

- **FLDS <GO>** (Data Fields): Lists available data fields in BQL, legacy API and Data License.
- **HELP DAPI <GO>**, **BQLX <GO>** (API Documents): Desktop API and BQuant Documentation.
- **BQNT <GO>** (BQuant): Bloomberg and open-source packages to pull data and analytics from Bloomberg into Jupyter (Python notebook which runs in the web browser).

(IV) Economic Forecasts and Capital Markets

Consensus Forecasts

- **ECFC <GO>** (Economic Forecasts)
- **CPFC <GO>** (Commodity Forecasts)
- **FXFC <GO>** (Foreign Exchange Forecasts)

Implied Rates Outlook

- **WIRP <GO>** (World Interest Rate Probabilities): Implied interest rates from futures/OIS pricing.

Cost of Capital

- **CRPR <GO>** (Credit Profile): Credit ratings history and transparency.
- **GC <GO>** (Graph Curves): Plot corporate or sovereign yield curves.
- **DDIS <GO>** (Debt Distribution): Debt maturity profile for selected issuer.
- **FIW <GO>** (Fixed Income Worksheet): Plot list of debt securities from single or multiple issuers.
- **BTMM <GO>** (Bloomberg Treasury and Money Markets): Interest rate security pricing.
- **EORP <GO>** (Equity Risk Premium): Calculator with market and user-defined inputs.
- **WACC <GO>** (Weighted Average Cost of Capital)

Transaction Search

- **MA <GO>** (Mergers/Acquisitions): Custom search for deal information, financials, and documents.
- **IPO <GO>** (Capital Raisings)

(V) Research

Analyst Research

- **ANR <GO>** (Analyst Forecasts): Current and historical price targets from contributing sell-side analysts.
- **DS RES <GO>** (External Reports): Search analyst reports by company or ticker list.
- **RMS* (Research Management Solutions)**: Tools for managing and distributing internal research and data.

Bloomberg Intelligence

- **BICO <GO>** (BI Company Outlook): Primer on equity, fixed income, currency, commodity or strategy topics.
- **BIP <GO>** (BI Primers): BI company outlook and topic primer search directory.
- **BI <GO>** (BI Landing Page): Directory of industry research and data dashboards

.Sustainability, Carbon and Energy Transition

- **BNEF <GO>** (Bloomberg New Energy Finance): Terminal portal for BNEF research.
- **NEFW <GO>** (BNEF Web Portal): Web portal for BNEF research.
- **ESG <GO>** (Bloomberg ESG): ESG data for a company by theme, including scoring and alignment to major regulatory frameworks.
- **BESG <GO>** (ESG Documents): Landing page for all of Bloomberg's sustainable finance solutions, including ESG documentation.
- **DESG <GO>** (ESG Data Search): Directory of ESG data fields.

Economic Research

- **BECO <GO>** (Bloomberg Economics): Research and data dashboard for Bloomberg's in-house economic research team.
- **BIE <GO>** (Bloomberg Economics Country Primer): Macroeconomic chart deck by country.

*Enterprise subscription model may apply, contact sales for more information

(VI) Price and Valuation

Price Alerts

- **MLRT <GO>** (Market Alert): Create and edit security or index price alerts.

Security Charts

- **GP <GO>** (Graph Price): Chart and compare price, fundamental, and earnings data for stocks, fixed income, currencies, commodities, and economic variables, with overlay studies and events.
- **GPC <GO>** (Graph Price Candles)
- **GPC <GO>** (Graph Price Open-High-Low-Close)
- **GIP <GPO>** (Graph Intraday Price)
- **G <GO>** (Saved Charts)

Price Return Charts

- **TRA <GO>** (Total Return Analysis): Historical total return chart, including the impact of distributions.
- **COMP <GO>** (Compare Return): Compares returns across multiple securities.
- **HS <GO>** (Historical Spread): Track spread, ratio, correlation and regression between a pair of securities or indices.
- **BETA <GO>** (Price Regression): Detailed regression analysis with scatter plot visualization.

Valuation

- **RV <GO>** (Relative Valuation): Compare a security against peers across a range of fundamental and valuation metrics.
- **EQRV <GO>** (Historical Equity Relative Valuation): Compare a security against peers based on current and historical valuations.
- **MRV <GO>** (Market Relative Valuation): Compare equity indices by charting historical valuation metrics.

Shorts and Options-

- **SI <GO>** (Short Interest): Short interest chart for selected company.
- **SIA <GO>** (Short Interest Analysis): Aggregates short sale volumes by index or sector.
- **OPX <GO>** Options Expiry: Analyze the impact of options expirations on underlying securities.
- **GV <GO>** Graph Volatility: Chart implied or historical (realized) volatility for selected securities.
- **HVG <GO>** Historical Volatility Graph: Table or chart showing historical volatility for multiple periods.

Market and Portfolio Monitoring

Worksheets and Company Monitoring - W <GO>



- List of custom worksheets, left click a worksheet to select
- Right click a worksheet to send, share, rename, duplicate or delete
- Click "Create New Worksheet" to add more from scratch
- Click "WSL - Sample Library" for pre-created templates



- Double-click a cell in the "securities" column to enter new security ticker
- Right-click a row to access a shortcut for a function related to that security, including insert, replace, format or delete rows
- Double-click a column header to enter new date field reference
- Right-click a column header to insert, replace, format, copy or delete columns. The right-click menu also allows sorting, conditional formatting, data visualization and field overrides (e.g., changing the year of earnings forecasts)
- Ctrl-Z and Ctrl-Y: Undo and redo
- Red button "Export" to download to Excel
- Double click on a row header or cell and type = to enter formula
- Dark grey menu, "Formulas", "Formula Guide" to see list of applicable formulas
- Dark grey menu, "Edit" to "Group" by country/sector. "Edit," "Panels," "Flowing" to add multiple panes. "Edit," "Freeze" to freeze initial columns

World Equity Indices - WEI, WEIF, WBF, IN <GO>



- WEI <GO>** for world equity index pricing
- Yellow dropdowns to change region, average volume at time (AVAT) period, change period and currency
- Check boxes to add historical volatility, financial ratios and futures pricing
- Red button "Settings", "Edit Defaults" to change wake-up settings
- Click index name or **IMAP <GO>** for intraday market map (SEE NEXT PAGE)
- Click region heading to get list of indices in that region
- WEIF <GO>** for equity index futures
- WBF <GO>** for world bond futures, top right button to toggle between price and yield
- IN <GO>** for directory of Bloomberg created indices by asset class/region

Watchlist Analytics - WATC <GO>



- Compare returns, valuations, technicals, consensus estimates and fundamental metrics across index or portfolio constituents
- Top left yellow bar to add index or portfolio
- Yellow "Refine By" bar to filter by sector or region
- Yellow "Group By" dropdown to change sorting and classification system
- "As of" box to change comparison date
- Grey tabs to change between metrics
- Left click on column to sort ascending/descending
- Red button "Actions" to save and load previous screens
- Red button "Export" to download to Excel or worksheet
- Red button "Settings" to update wake-up default

Intraday Market Map - IMAP <GO>



- Maps intraday price movements and news activity by sector and region
- Yellow box at the top-left to select index, portfolio or ticker list
- Buttons to toggle between region and sector groupings
- Click on a pie segment to drill down
- Click the grey "Table" tab to view constituent data
- Red button "Settings" to adjust sector levels and switch between classification systems

Index Movers, Index Members - MOV, MEMB <GO>

- **MOV <GO>** for best and worst performers within an index, portfolio or security list
- Top left yellow bar to change selection
- Right click on a column to sort
- Red button "Settings" to set default view
- Grey button "History" to calculate over a historical date range
- **MEMB <GO>** for constituent members and index weights

Most Active Securities - MOST, MRR, GRR <GO>

- **MOST <GO>** (Most Active Securities): intraday activity with metrics such as price, volume and top news
- Top left yellow bar to change index, portfolio or security list
- Left rail to add screening criteria
- Grey tabs to switch between screens
- Click on a news story for full article
- Click on top grey button "Historical Performance" for ranked returns by period - also available at **MRR <GO>** (Member Ranked Returns)
- Top yellow dropdowns to change period or return currency
- **GRR <GO>** is for ranked returns by industry group (Group Ranked Returns)

Factor Returns (Factors to Watch) - FTW <GO>

- Security returns grouped by portfolio characteristics to show which factors are systematically rewarded over time
- Yellow dropdown at the top left to select index or sector
- Yellow dropdown top right to select quintile (highest to lowest factor exposure)
- "Return Type" buttons to toggle between total and active return over the period
- Click on factor to see stocks included
- Red button "Chart" to see history
- Red button "Actions" to export
- "Long-Only" tab shows performance of 20% of stocks with the largest exposure to each factor
- "Long-Short" tab shows return from buying the top quintile and selling the top 20% of securities by factor
- "Pure Factor" tab shows return from one standard deviation of additional exposure to a particular style factor, while assuming market-neutral exposure to other style or industry factors

Factor Exposures - TLTS <GO>



- Profile characteristic exposures and compare to a peer group or benchmark universe
- Top left yellow bar to enter security, index, portfolio or list
- Toggle between active exposure vs. selected custom benchmark in the yellow box, or view absolute exposure
- Date range changes calculation period
- For indices or portfolios, use black buttons or scroll down to view by style, sector or geographic exposures
- Grey buttons to view additional style exposures
- Click the "Table" button for data
- Scroll down to "Exposure History" and click "Line Chart" to see historical exposures

Portfolio Analysis - PORT <GO>



- Performance and Attribution: measure and deconstruct historical returns on an absolute or relative basis, including with custom sector classifications
- Risk: analyze risk through the tracking error/ volatility, value-at-risk and scenario analysis tools
- Characteristics: view fundamental and estimated portfolio measures
- Portfolio Construction: evaluate simulated portfolio changes to anticipate and prepare for future risk
- Trade Simulation: understand how characteristics and risk structure would change based on potential trades
- Reporting: design custom performance, attribution or risk reports to run on scheduled or ad-hoc basis*
- PRA <GO> for documentation on desktop and enterprise PORT offerings

News and Events

*Enterprise subscription model may apply, contact sales for more information

Company or Topic News - NI, NEWS ON, CN, NH <GO>



- Enter security ticker and **CN <GO>**
- Alternatively, **NI "TOPIC" <GO>** or **NEWS ON "TOPIC"** for natural language news search e.g. **NI EV <GO>**; **NEWS ON ELECTRIC VEHICLES <GO>**
- **NH "SOURCE" <GO>** for stories by publication e.g. **NH AFR, NH WSJ**
- Enter additional search terms in yellow search bar
- Add additional search term "in Headlines" e.g. **China in headlines**
- Red buttons, "Actions", "Save Search" to save search to NLRT
- Red buttons, "Actions", "Use Advanced Editor" for search builder (SEE NEXT PAGE)

Saved News Alerts - NLRT <GO>



- Click on saved news search to run
- Click bell icon to change alert delivery options
- Check boxes to send, suspend or delete saved alerts

Advanced News Editor - NI, NEWS ON, CN, NH <GO>



- Example: Australian Company News**
- Under "Security Lists" select individual names, worksheet, or portfolio
 - Under "Topics", in the "Any of these" yellow box, type COEVNT for company events. Next, add ASXS for price-sensitive ASX filings
- Example: U.S. Company News**
- Under "Topics", in "Any of these" yellow box, type COEVNT for company events. Next, add 8K, 10K and 10Q for SEC filings
 - Boolean search under the top-left grey "Manual Editor" button
 - Bottom-right grey buttons to save or run advanced search

Periodic News Subscriptions - NSUB <GO>



- Search in top-right yellow bar for subscriptions and news summaries curated by Bloomberg
- Click on "Preview" for a selection of recent releases
- Click on "Subscribe" and then "Send Me a Message" to receive an email copy. Bloomberg Anywhere subscribers can check the "Send Copy to" box to receive a copy to corporate email

Example News Subscriptions

- NSUB AUDAYBOOK
- NSUB ASIADAYBK
- NSUB USDAYBOOK
- NSUB METALS DAYBOOK
- NSUB OIL BRIEF

First Word - FIRS <GO>

The screenshot shows the 'First Word' window with a search for 'Australia, New...'. The main article is 'Australia Stocks to Watch: DigiCo REIT, Rio Tinto, South32', dated 07:59. It reports that S&P/ASX 200 Index futures fell 0.8% to 8,281 as of 7:03 a.m. Sydney time. Other articles include 'DigiCo REIT to Debut After Australia's Biggest IPO Since 2018' (07:47) and 'ReadyTech Holdings Rated New Add at Morgans Financial Limited' (07:07).

- Bullet-point summaries by Bloomberg News, including press releases, important media reports and analyst rating changes

- Yellow box to add topics, securities, portfolios or saved worksheet lists

- "Global Macro News" checkbox to add economics to search

- Red button "Actions" to save, set alerts and send to launchpad

Events Calendar - EVTS <GO>

The screenshot shows the 'Events Calendar' window with filters for 'US Earnings' and 'Earnings Release'. It displays a list of events for 12/05/2024, including earnings calls for companies like CRA, QIL, and DO. The interface includes filters for event types, date ranges, and actions like 'Save' and 'Alert'.

- Calendar of corporate events and corresponding details, including transcripts and audio recordings

- In yellow "Narrow by" box, enter saved monitor/worksheet list, equity index or portfolio name to generate event list

- Select date range on the left rail

- Choose event type on the left rail to narrow, e.g. "Earnings Release"

- Icons to the right of historical releases for call transcripts and audio

- Red button "Saved Searches" to save custom search and set as default

- Red button "Alerts" to send daily, weekly or real-time reminder of events

- Red button "Export" to download events into Excel

Top News - TOP <GO>

The screenshot shows the 'Top News' window with a search for 'China PMTs'. The top story is 'Asian Stocks to Track US Rout on Inflation Risks: Markets Wrap' (09:07). A featured article is 'China PMTs Call for More Aid' (09:00), which includes a video player. Other stories include 'Meta Cuts Fact Checkers, Says Content Removal Went "Too Far"' (05:12) and 'US War with Canada, Denmark, Panama? Unlikely' (11:05).

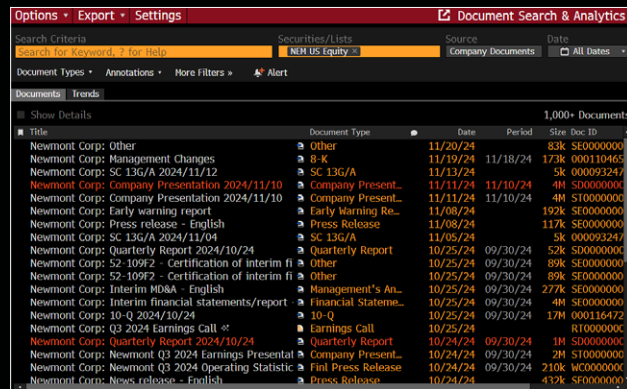
- TOP "REGION" <GO> to run search by market e.g. TOP US, TOP AU

- Yellow search box to narrow criteria

- Click topic heading for more stories in the category

- Red Button "Translate" to change language

Company Filings and Transcript Analyzer - DS CF, DS TA <GO>



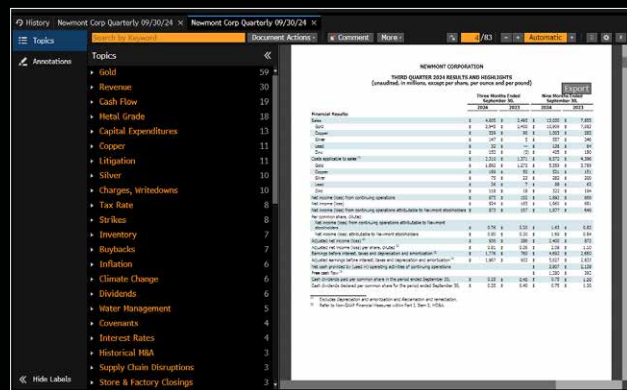
Find documents for individual security

- **DS CF <GO>** for company filings, **DS TA <GO>** for call transcripts
- Add additional keyword or topic search criteria in yellow "Search Criteria" box
- Click on black "Document Types" dropdown to select between filings e.g. annual reports, quarterly reports or company presentations
- Grey button to specify "Source," including journals or expert networks
- Red button "Settings": ensure "Attachments" are not set to "Auto-Download" and "Open Documents" is set to "Single Document Viewer"

Screen security list, export security list

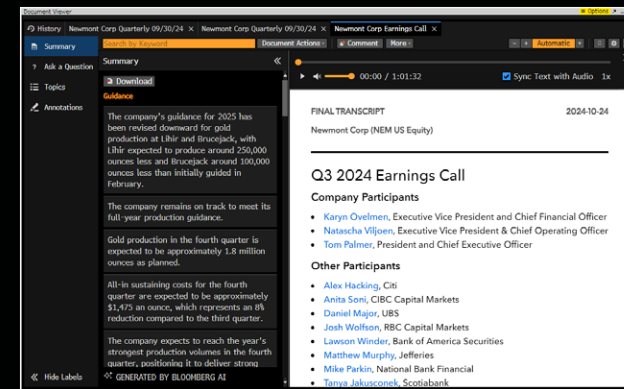
- In "Securities/Lists" yellow box, close any existing securities. Click empty yellow box and "Browse Security Lists"
- Choose security list from saved searches, worklists or equity screens
- Add additional keyword or topic search criteria in yellow "Search Criteria" box
- Click on red "Export" button, select "Export Security List," and choose destination

Company Filings Document Viewer - DS CF <GO>



- Highlight over a table to reveal the grey "Export" button in the right corner
- Click "Export" to download a formatted table into Excel along with a link to the document

Transcript Analyzer - DS TA <GO>



- Type in the yellow search bar to search for a keyword
- Highlight over a table to reveal the grey "Export"
- Click "Summary" in the top-left to receive an AI-generated summary of key items from the transcript. Click each summary item to go to that part of the transcript
- Click "Ask a Question" to search for a particular topic using AI

Economic Calendar - ECO <GO>



- Economic release calendar, including commodity, government, central bank, and industry data and events
- Select region in top-right yellow bar or **ECO "REGION" <GO>** shortcut e.g. **ECO AU <GO>**, **ECO US <GO>**
- Yellow dropdown to toggle between release type
- Yellow date bar to change range
- Click on item for data and news history
- Red button "Calendars" to set up custom search with multiple regions
- Click in top-left or enter **9 <GO>** to save current settings as default

Security Description - DES <GO>

GOOG US Equity Report Contact IR Page 1/5 Security Description: Equity

Profile Issue Info Ratios Revenue & EPS ESG

ALPHABET INC-CL C FIGI BGG00953NB30
 @ BI Research Primer | BICO » Classification Internet Media & Services
 Alphabet Inc. operates as a holding company. The Company, through its subsidiaries, provides web-based search, advertisements, maps, software applications, mobile operating systems, consumer content, enterprise solutions, commerce, and hardware products. ... More

Price Chart | GP » Estimates | FE » Corporate Info

Date (E) 01/30/25
 P/E Mountain View, CA, US
 Est P/E 12/24 24.44 Empls 181,269 (09/30/24)
 T12M EPS (USD) 8.05
 Est EPS 1.49
 Est PEG 1.49

Px/Chg 1D (USD) 196.71/-63%
 52 Wk H (12/17/24) 202.88
 52 Wk L (03/05/24) 131.55
 YTD Change/% 6.27/3.29%
 Mkt Cap (USD) 2,400.3B
 Shrs Out/Float 5,534.0M/4,755.5M
 SI/% of Float 50.0M/1.05%
 Days to Cover 2.3

Dividend | DVD »
 Ind Gross Yield 0.41%
 Cash 12/09/24 0.20

Management | MGMT »
 16 Sundar Pichai Chief Executive Officer
 17 Ruth M Porat President/Chief Investment ...
 18 Kent Walker Pres:Global Affairs/CLO/Secy

12M Tot Ret 43.69%
 Beta vs SPX 1.03

20 Depository Receipts
 Y Active Receipts 2

- Summary page for key characteristics and background information for selected security
- Click headings for additional information and links to Bloomberg functions
- Issue Info: capital market events, institutional ownership, equity weightings
- Ratios: key financial metrics
- Revenue & EPS: historical and forecast earnings
- ESG: summary Bloomberg ESG metrics

Financials and Earnings

Financial Analysis - FA <GO>

GOOG US Equity Actions Export Settings Financial Analysis

Alphabet Inc ASC 842 BQ Periods Annuals Cur RRC (USD) ESG

12 Months Ending

	2017 Y	2018 Y	2019 Y	2020 Y	2021 Y	2022 Y	2023 Y	2024 Y Est	2025 Y Est
Revenue	118,358.0	136,810.0	181,627.0	182,577.0	257,637.0	283,236.0	309,294.0	301,534.4	341,567.8
+ Sales & Services Revenue	95,577.0	116,461.0	134,811.0	146,924.0	209,497.0	224,473.0	237,855.0		
+ Other Revenue	15,278.0	20,388.0	27,046.0	35,603.0	48,140.0	58,363.0	69,539.0		
- Cost of Revenue	42,583.0	59,549.0	71,896.0	84,722.0	110,939.0	126,203.0	133,332.0		
- Cost of Goods & Services	45,583.0	59,549.0	71,896.0	84,722.0	110,939.0	126,203.0	133,332.0		
Gross Profit	65,272.0	77,270.0	89,961.0	97,795.0	146,698.0	156,633.0	174,062.0	192,888.5	216,577.9
+ Other Operating Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
- Operating Expenses	36,306.0	41,675.0	51,033.0	58,571.0	67,984.0	81,791.0	89,789.0		
+ Selling, General & Admin	19,765.0	23,256.0	28,015.0	28,998.0	36,422.0	42,291.0	44,342.0		
+ Selling & Marketing	12,893.0	16,333.0	18,464.0	17,946.0	22,912.0	26,567.0	27,917.0		
+ General & Administrative	6,872.0	6,923.0	9,551.0	11,052.0	13,510.0	15,724.0	16,425.0		
+ Research & Development	16,625.0	21,419.0	26,018.0	27,071.0	31,552.0	39,200.0	45,427.0		
+ Other Operating Expense	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Operating Income (Loss)	28,882.0	32,595.0	35,928.0	41,224.0	78,714.0	74,842.0	84,290.0	111,527.8	128,665.7
- Non-Operating (Income) Loss	-1,200.0	-2,062.0	-2,537.0	-719.0	-1,374.0	-1,544.0	-6,551.0		
+ Interest Expense, Net	-1,200.0	-1,764.0	-2,527.0	-1,730.0	-1,153.0	-1,817.0	-3,557.0		
+ Interest Expense	109.0	114.0	100.0	135.0	346.0	357.0	308.0		
- Interest Income	1,312.0	1,878.0	2,427.0	1,865.0	1,499.0	2,174.0	3,865.0		
+ Foreign Cash (Gain) Loss	121.0	60.0	-102.0	344.0	240.0	654.0	1,288.0		
+ Other Non-Op (Income) Loss	-158.0	-378.0	-102.0	637.0	-411.0	-381.0	-4,232.0		
Pretax Income (Loss), Adjusted	30,122.0	34,657.0	38,469.0	41,973.0	80,038.0	76,386.0	90,844.0	118,313.5	132,204.1
- Abnormal Losses (Gains)	9,929.0	-766.0	-1,165.0	-6,109.0	-10,666.0	6,658.0	6,127.0		
+ Asset Write-Down	156.0	120.0	-390.0	-401.0	-334.0	337.0	628.0		
+ Legal Settlement	2,736.0	5,071.0	1,697.0	-	-	-	-		
+ Restructuring	-	-	-	-	-	-	-		
+ Sale of Investments	37.0	-2,648.0	157.0	2,064.0	-1,086.0	2,506.0	1,215.0		

- Company or index-level standardized financial statements
- Grey tabs for "I/S," "B/S," "C/F" statements, "Segments," and "ESG." Industry-specific metrics under "Add". Light grey sub-tabs for GAAP or as-reported data
- Under "Custom" tab, enter new fields under yellow input box to create custom list of statement items. Store changes with grey the "Save" button
- Grey buttons at the bottom of the page to move forward or back periods
- Blue chart icons on the left to plot items
- Click on a number to see calculation method and view transparency.
- Yellow toggle to switch between "Original" and "Preliminary" filings. Click the document icon on the right for transparency
- Red button "Settings," "Data" to add estimates and last-12-month data under checkboxes, as well as average or growth rows under the yellow dropdown
- Red button "Export" to download statements into Excel or PDF

Graph Fundamentals - GF <GO>



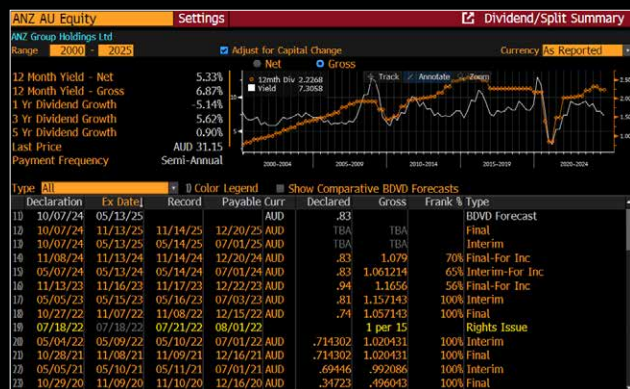
- Company and index fundamental, earnings and valuation data charts
- Right hand yellow boxes to add securities or additional fields
- Dropdown box next to consensus field (e.g. BEst P/E Ratio) to change year and switch from GY (current annuals) to BF (blended forward)
- Top buttons to change period and range. "Quarterly" dropdown; use "Custom" to enter custom range
- Red button "Save As" to save custom GF chart
- Bottom-right "Select Chart Layout" toggles how to display multiple securities or fields

Corporate Actions - CACS <GO>

Effective Action Type	Ticker / ID	Summary
12/18/25 Corp Meeting	ANZ AU	Type: Annual Shareholder
11/13/25 Cash Dividend	ANZGF US	Final - TBA
11/13/25 Cash Dividend	XSZ1 GR	Final - TBA
11/13/25 Cash Dividend	ANZ NZ	Final - TBA
11/13/25 Cash Dividend	ANZ AU	Final - TBA
11/13/25 Cash Dividend	XSZ1 TH	Final - TBA
11/13/25 Cash Dividend	XSZ1 QT	Final - TBA
11/13/25 Cash Dividend	XSZ1 GZ	Final - TBA
05/13/25 Cash Dividend	ANZGF US	Interim - TBA
05/13/25 Cash Dividend	XSZ1 GR	Interim - TBA
05/13/25 Cash Dividend	ANZ NZ	Interim - TBA
05/13/25 Cash Dividend	ANZ AU	Interim - TBA
05/13/25 Cash Dividend	XSZ1 TH	Interim - TBA
05/13/25 Cash Dividend	XSZ1 QT	Interim - TBA
05/13/25 Cash Dividend	XSZ1 GZ	Interim - TBA
12/19/24 Corp Meeting	ANZ AU	Type: Annual Shareholder
11/18/24 Cash Dividend	ANZGY US	Regular Cash USD Net .538796 Gross .548796 - Estimate
11/18/24 Cash Dividend	XSZ GR	Regular Cash USD Net .538796 Gross .548796 - Estimate
11/18/24 Cash Dividend	XSZ QT	Regular Cash USD Net .538796 Gross .548796 - Estimate
11/18/24 Cash Dividend	XSZ GZ	Regular Cash USD Net .538796 Gross .548796 - Estimate
11/15/24 Cash Dividend	ANZGYUSD EO	Regular Cash USD Net .538796 Gross .548796 - Estimate
11/15/24 Cash Dividend	ANZGYEUR EO	Regular Cash USD Net .538796 Gross .548796 - Estimate
11/15/24 Cash Dividend	ANZGYUSD EU	Regular Cash USD Net .538796 Gross .548796 - Estimate

- Corporate actions including buybacks, capital changes, and distributions
- Top-left yellow dropdown box to toggle between all related listings and the currently selected listing
- "Filter Actions" checkboxes to select specific corporate action types
- Click on individual corporate action for additional details
- Red button "Export" to download to Excel

Dividend/Split Summary - DVD <GO>



- Top-right chart for historical dividends and yield
- Top-left yellow box to change date range
- Right click on chart, "Copy/Export Options" to copy chart data to clipboard
- Click on individual dividend row for additional information

Buyback Summary - BBK <GO>



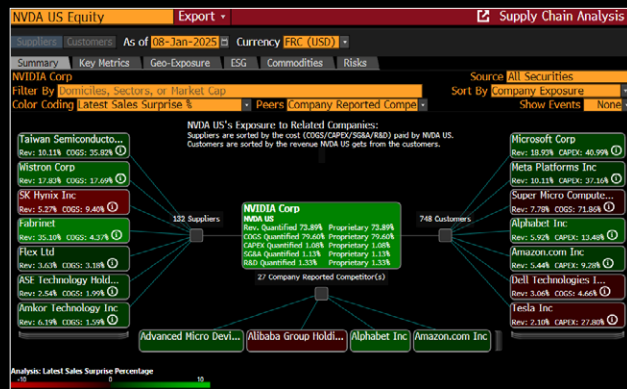
- Company buyback information and historical execution statistics
- Top yellow "Announcement Date" to toggle between historical buyback announcements
- Left chart shows historical transactions, including price and percentage of daily volume
- Right chart displays summarized operations, investment and financing cash flows
- Bottom of the screen has recent commentary from call transcripts and financial statements relating to buyback policy

Holdings/Security Ownership - HDS <GO>

Holder Name	Shares	% Out	Period	Score	Cost
Vanguard Group Inc/The	2,143,786,800	8.7%	09/30/24	30.00	10.97
BlackRock Inc	1,851,626,745	7.5%	09/30/24	24.00	12.36
Fidelity LLC	997,711,326	4.0%	09/30/24	24.25	14.18
State Street Corp	942,728,025	3.8%	09/30/24	23.20	15.70
Hoop American	809,925,335	3.3%	12/11/24	24.25	10.82
United Capital Management LLC	546,074,492	2.2%	09/30/24	71.25	11.25
T Rowe Price Group Inc	420,280,480	1.7%	09/30/24	24.50	13.12
JPMorgan Chase & Co	409,379,534	1.6%	09/30/24	31.00	16.82
Morgan Stanley	329,720,248	1.3%	09/30/24	36.00	2.40
Horos Bank	291,727,240	1.2%	04/30/24	18.25	18.25
UBS AG	286,771,976	1.1%	01/02/25	24.50	11.89
Bank of America Corp	262,092,574	1.0%	09/30/24	34.25	10.60
Capital Group Cos Inc/The	243,509,611	0.9%	09/30/24	4.25	36.89
Legal & General Group PLC	242,051,277	0.9%	09/30/24	18.25	28.92
Northern Trust Corp	228,181,237	0.9%	09/30/24	21.00	9.21
Bank of New York Mellon Corp/The	175,416,683	0.7%	10/31/24	24.25	7.41
Teachers Insurance & Annuity Association of Amer...	143,554,112	0.6%	09/30/24	76.50	9.72
Government Pension Investment Fund Japan	140,548,880	0.6%	03/31/24	48.00	11.84
Wellington Management Group LLP	146,468,704	0.6%	09/30/24	9.50	7.46
Charles Schwab Corp/The	140,092,291	0.6%	09/30/24	26.75	2.04
Goldman Sachs Group Inc/The	140,049,686	0.6%	11/29/24	24.25	11.37
AllianceBernstein Holding LP	129,342,047	0.5%	11/20/24	19.00	4.86
Franklin Resources Inc	124,584,490	0.5%	01/07/25	29.25	8.80
Invesco Ltd	121,984,465	0.5%	09/30/24	24.25	5.07
Credit Agricole Group	111,791,500	0.4%	09/30/24	71.50	70.20
State of California	105,600,712	0.4%	09/30/24	24.00	1.67
Ameriprise Financial Inc	104,428,627	0.4%	10/31/24	25.25	11.12

- Institutional and insider shareholder information
- Click the chart icon next to the 'Latest Change' column to view the transaction list chart
- "Historical" tab also shows list of holdings over time
- "Matrix" tab shows positions in peer companies by the owners of selected companies
- "Ownership Summary" aggregates owners by type
- "Insider Transactions" for chart of related party transactions
- Red button "Export" to download to Excel
- Red button "Settings" to change the list of displayed columns

Supply Chain Analysis - SPLC <GO>



- Left side shows the selected company's suppliers by proportion of the company's costs and proportion of the supplier's revenue
- Right side shows the selected company's customers by proportion of the company's revenue and proportion of the customer's costs
- Centre shows the proportion of the company's earnings captured by SPLC
- Yellow "Color Coding" dropdown to organize suppliers/customers by price change or sales/cost growth
- Grey tabs for data tables
- Top-left grey buttons to toggle between supplier and customer data tables
- Red button "Export" to download

Earnings Estimate Outlook - EEO <GO>

Periodicity	FY 2024 Act	FY 2025 Est	FY 2026 Est	FY 2027 Est	FY 2028 Est
12 Months Ending	01/31/2024	01/31/2025	01/31/2026	01/31/2027	01/31/2028
EPS, Adj	1.296	2.923	4.357	5.327	6.056
EPS, GAAP	1.193	2.900	4.416	5.522	6.593
Revenue	60,922B	128,046B	195,949B	236,907B	273,772B
Gross Margin %	73.800	75.405	73.806	74.370	72.881
Operating Profit	32,972B	84,616B	126,596B	153,918B	175,827B
EBIT	37,134B	84,572B	125,638B	151,979B	172,091B
EBITDA	38,642B	85,675B	130,300B	161,052B	176,450B
Pre-Tax Profit	33,818B	85,714B	126,819B	153,813B	165,089B
Net Income Adj	32,312B	72,815B	108,776B	132,632B	140,739B

- View historical and consensus numbers for headline financial metrics
- Can also be run on an index for aggregated earnings data
- Click grey button "Headline Growth" to get rate of change
- Check "Guidance" box to see company provided guidance for available metrics
- Grey numbers show number of contributing analysts. Click a number to view contributing brokers and consensus distribution
- Grey arrows at bottom of page to change period
- Yellow "Periodicity" dropdown to change from annual to quarterly/semi-annual reporting
- Red button "Settings" to change default periodicity

Company Deep Estimates - MODL, MODL SOURCE <GO>

Periodicity	2020 Y	2021 Y	2022 Y	2023 Y	2024 Y	2025 Y	2026 Y	2027 Y
Adjusted Diluted EPS	0.34	0.25	0.44	0.33	1.30	2.92	4.36	5.33
Revenue	10,918.0	16,675.0	26,914.0	26,974.0	60,922.0	128,046.8	195,948.5	236,907.2
Adjusted Gross Margin (%)	62.50	65.60	66.90	59.20	73.00	75.41	73.81	74.37
Adjusted Total Operating Expense	3,088.0	4,144.0	5,279.0	6,925.0	7,825.0	11,721.6	16,082.1	19,707.4
Adjusted Operating Income	3,755.0	6,803.0	12,690.0	9,040.0	27,134.0	84,616.3	126,596.3	153,918.2
Adjusted Margin (%)	24.21	40.80	47.15	33.53	60.95	66.25	64.99	64.76
Adjusted Net Income Margin	23.79	37.64	41.83	31.63	53.94	58.59	57.34	55.62
R&D Expense	2,829.0	3,924.0	5,248.0	7,239.0	8,476.0	13,081.5	17,882.8	21,685.1
R&D Intensity	25.91	23.52	19.57	27.22	14.24	10.44	9.40	9.25
Capital Expenditure	-489.0	-1,128.0	-976.0	-1,833.0	-1,069.0	-2,086.0	-1,186.2	-3,574.0
As % of Total Revenue	4.48	6.76	3.63	6.80	1.75	2.57	1.86	1.83
Free Cash Flow	4,272.0	4,694.0	8,322.0	3,800.0	27,023.0	65,100.1	95,946.9	125,362.1

- Single Period
- View detailed industry earnings consensus metrics
- Scroll bar along the bottom to see full list of contributing brokers. Click "Download Model" to access the underlying model
- Red button "Entitlements" to request access from additional brokers
- Multiple Periods
- Click on grey "Multiple Periods" button or enter MODL SOURCE <GO> for historical/forward numbers
- Click and drag a row to copy live formula into Excel document

Company Guidance - GUID <GO>

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025 Est	FY 2026 Est
Cap Expend Guidance						
- Estimate	-1.04B	-1.03B	-1.80B	-1.20B	-2.69B	-3.19B
- Actual	-1.13B	-976.00M	-1.83B	-1.07B		

Announcement Date	Measure	Reported	Source
11/28/2024	Revenue	36,75B - 38,25B	NVIDIA Announces Financial Results for Third...
04/2025	Gross Margin	73% - 74%	NVIDIA Announces Financial Results for Third...
04/2025	Tax Rate	15.5% - 17.5%	NVIDIA Announces Financial Results for Third...
08/28/2024	Revenue	31,85B - 33,15B	NVIDIA Announces Financial Results for Seco...
03/2025	Gross Margin	74.5% - 75.5%	NVIDIA Announces Financial Results for Seco...
03/2025	Tax Rate	16% - 18%	NVIDIA Announces Financial Results for Seco...
05/22/2024	Revenue	27,44B - 28,56B	NVIDIA Announces Financial Results for First...

- View current and historical earnings guidance from company management
- "Headlines within the past 5 years" allows review of changes in guided results

Earnings Estimate Graph - EEG <GO>

Ann Date Per	Per End C	Reported	Comp	Estimate	%Surp	Guidance	%Guid Surp	%Px Chg	P/E
02/26/2028 FY 28	01/28			6.056	4.87%			7.55%	22.30
02/26/2027 FY 27	01/27			5.327					25.36
02/26/2026 FY 26	01/26			4.357					31.00
02/26/2025 FY 25	01/25			2.923					46.21
02/21/2024 FY 24	01/24	1.203	1.296	1.241	4.43%			16.40%	51.14
02/22/2023 FY 23	01/23	0.259	0.334	0.328	1.83%			14.02%	75.50
02/16/2022 FY 22	01/22	0.398	0.444	0.432	2.78%			-7.56%	61.51
02/24/2021 FY 21	01/21	0.203	0.250	0.241	3.73%			-8.22%	64.06
02/13/2020 FY 20	01/20	0.029	0.145	0.140	3.39%			7.02%	206.24
02/14/2019 FY 19	01/19	0.151	0.166	0.161	3.11%			1.82%	23.80
02/08/2018 FY 18	01/18	0.115	0.123	0.110	11.82%			6.69%	53.27
02/09/2017 FY 17	01/17	0.065	0.077	0.074	3.38%			-2.37%	41.97
02/17/2016 FY 16	01/16	0.034	0.042	0.039	7.05%			8.60%	21.56

- Compare earnings announcements against consensus to gauge stock price reaction
- Top-left yellow box to enter earnings estimate field
- Top yellow date boxes to enter start and end period, grey "Daily" dropdown to change periodicity
- Top-right grey "Editor" button to add and change estimate period
- Red button "Settings" to change wake-up defaults
- Red button "Export" to download into Excel

Earnings History - ERN <GO>

Ann Date Per	Per End C	Reported	Comp	Estimate	%Surp	Guidance	%Guid Surp	%Px Chg	P/E
02/26/2028 FY 28	01/28			6.056	4.87%			7.55%	22.30
02/26/2027 FY 27	01/27			5.327					25.36
02/26/2026 FY 26	01/26			4.357					31.00
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02/14/2019 FY 19	01/19	0.151	0.166	0.161	3.11%			1.82%	23.80
02/08/2018 FY 18	01/18	0.115	0.123	0.110	11.82%			6.69%	53.27
02/09/2017 FY 17	01/17	0.065	0.077	0.074	3.38%			-2.37%	41.97
02/17/2016 FY 16	01/16	0.034	0.042	0.039	7.05%			8.60%	21.56

- History of earnings releases, whether they beat or missed consensus, and the subsequent change in price
- "Reported" is the actual earnings number, "Comp" is adjusted for extraordinary items, "%Surp" = Comp / Estimate - 1
- Yellow dropdown boxes to update measure, periodicity and window for comparing change in price
- Click top-right link or EE SURP <GO> for price reaction after releases

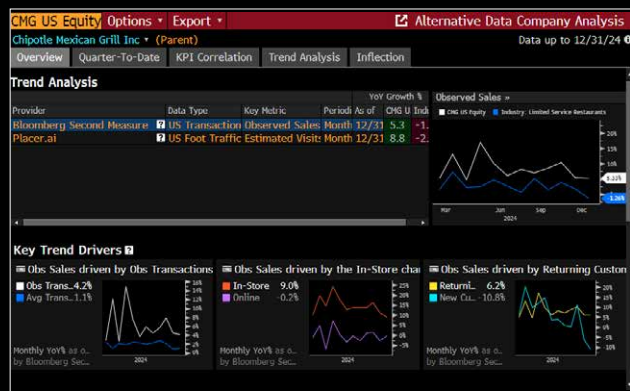
KPI Comparison - KPIC <GO>

Metric	NVDA US Equity	Median	Diff	Low	Distribution	High
Automotive Revenue	27.26%	-0.56%	27.83%	-6.69%		55.45%
Datacenter Revenue	199.29%	87.46%	111.83%	82.85%		199.39%
Computing & Graphics Revenue	25.84%	38.87%	-13.03%	-47.60%		66.69%

Periodicity	Annuals	Growth	None	Cur	ERC (USD)	
2021 Y	2022 Y	2023 Y	2024 Y Est	2025 Y Est	2026 Y Est	
12 Months Ending	12/31/2021	12/31/2022	12/31/2023	12/31/2024	12/31/2025	12/31/2026
Automotive Revenue - Median	2,163.8	3,022.1	3,661.4	3,850.7	4,171.0	5,089.2
NVIDIA Corp	866.0	903.0	1,091.0	1,336.6	2,096.1	2,748.5
Texas Instruments Inc	3,852.2	4,605.6	5,966.5	5,410.1	5,988.1	6,716.7
QUALCOMM Inc	1,019.0	1,572.0	2,014.0	3,213.9	4,120.5	5,089.2
Analog Devices Inc	2,038.7	2,683.5	3,002.9	2,750.9	3,121.8	3,532.7
RMP Semiconductors NV	5,493.0	6,879.0	7,484.0	7,103.4	7,272.9	8,145.0
Datacenter Revenue - Median	7,153.5	10,524.0	11,008.5	12,862.3	18,779.3	24,440.6
NVIDIA Corp	10,613.0	15,065.0	47,525.0	112,933.9	176,440.6	214,763.7
Advanced Micro Devices Inc	3,694.0	6,043.0	6,496.0	12,862.3	18,779.3	24,440.6
Harvell Technology Inc	1,784.6	2,408.8	2,216.7	4,128.3	6,131.6	7,255.4

- Review key industry metrics across companies in the sector
- Currently available for top global companies across sectors
- "Browse Dashboards" tab to show sector categories covered

Alternative Data - ALTD <GO>



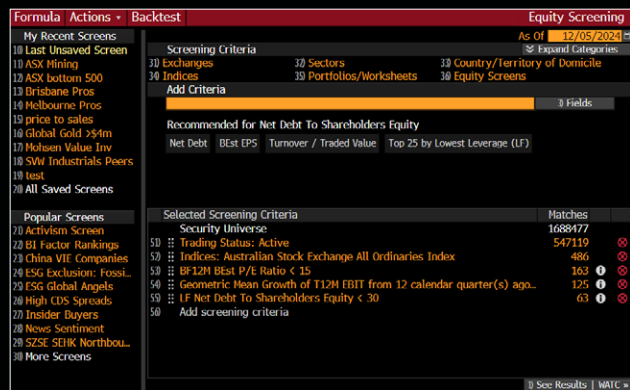
- Uses consumer transaction data from Bloomberg Second Measure and foot traffic data from Placer.ai to give intra-quarter insights on company performance ahead of earnings announcements.
- Available for 1,500+ companies globally
- “Quarter-to-Date” tab shows observed sales based on alternative data vs. earnings estimates
- “KPI Correlation” tab shows relationship between observed and reported data. Yellow dropdown to change metric
- “Trend Analysis” and “Inflection” tabs to compare multiple metrics over time and across peer groups

Data Extraction Tools - FLDS, HELP DAPI, BOLX, BQNT <GO>

ID	Mnemonic	Description	Ovrd Value
1	BE008	BEST_EPS	3.503
2	BE046	BST_BRK_PD_OVR	
3	BE995	BEST_CONSENSUS_STAT_OV...	MEAN
4	BE997	BEST_FPERIOD_OVERRIDE	2FY
5	DS215	EQY_FUND_CRNCY	USD
6	BE998	BEST_DATA_SOURCE_OVERR...	BST
7	BE999	BEST_CONSOLIDATED_OVERR...	Y
8	BE994	BEST_REVISION_INTERVAL...	0D

- **FLDS <GO>** lists data fields available for selected security
- Search field name in yellow “Enter Query” box
- Top of page yellow “Source” dropdown to toggle between BQL, legacy API and data license formulas
- Click on field for description and list of overrides
- Check ‘Override,’ field to check value once override has been updated
- Drag field into Excel to download formula
- **HELP DAPI <GO>** and **BOLX <GO>** for documentation on Bloomberg’s Desktop API, including BQL (Bloomberg Query Language)
- **BQNT <GO>** for Bloomberg and open-source packages to pull data and analytics from Bloomberg into Jupyter (Python notebook that runs in a web browser). Leverages AWS cloud resources and allows publishing applications to other users via Launchpad

Equity Screening - EQS, FORM, EQBT <GO>



- Screen for companies that meet a customized set of criteria
- Type screening criteria into the yellow box, add a condition, and enter a numerical value if required
- After field has been selected, click “Growth” to add criteria for changes over specified time period
- Once the list of conditions is complete, click the red “Actions” button to save
- Bottom-right “See Results” to receive securities output in watchlist
- Red button “Formula” or **FORM <GO>** to create custom expression using multiple screening criteria. These formula expressions can then be used as their own criteria in future screens
- Red button “Backtest” or **EQBT <GO>** to backtest equity screening criteria against historical performance data

Economic Forecasts and Capital Markets

Economic Forecasts - ECFC <GO>

99 Chart 97 Set as Default View Disclaimer Economic Forecasts											
Country/Region/World	Contributor		Contributor Composite		Yearly		Quarterly		Probability of Recession 25.0%		
United States	Browse	Private	Official								
Indicator	Q4 23	Q1 24	Q2 24	Q3 24	Q4 24	Q1 25	Q2 25	Q3 25	Q4 25	Q1 26	Q2 26
Economic Activity											
Real GDP (YoY%)	3.2	2.9	3.0	2.7	2.4	2.4	2.1	1.9	1.9	2.1	2.1
Real GDP (QoQ% SAAR)	3.2	1.6	3.0	2.8	2.0	1.8	1.9	2.0	2.0	2.0	2.0
Consumer Spending	3.5	1.9	2.8	3.5	2.4	1.9	2.0	2.0	2.0	2.0	2.0
Government Spendin...	3.6	1.8	3.1	5.0	1.6	1.3	1.3	1.2	1.2	1.0	1.0
Private Investment	0.7	3.6	8.3	1.1	1.8	2.8	2.9	3.1	2.9	3.4	3.4
Exports (QoQ% SAAR)	6.2	1.9	1.0	7.5	2.6	2.5	2.6	2.7	2.6	3.0	3.0
Imports (QoQ% SAAR)	4.2	6.1	7.6	10.2	3.3	3.4	3.0	2.5	2.5	2.4	2.4
Industrial Production (YoY%)	-0.1	-0.5	0.0	-0.4	0.1	0.9	0.8	1.2	1.7	1.7	1.7
Price Indices											
CPI (YoY%)	3.2	3.3	3.2	2.6	2.6	2.3	2.3	2.4	2.4	2.4	2.4
PCE Price Index (YoY%)	2.8	2.7	2.6	2.3	2.4	2.2	2.1	2.1	2.2	2.2	2.2

- Economic forecasts, including central bank rates and long-term/short-term interest rates
- Top-left yellow box to change country
- Top-right toggle between yearly and quarterly forecasts
- Click on a forecast item row to get the full list of economists

Commodity Price Forecasts - CPFC <GO>

Export Disclaimer Commodity Price Forecasts												
Contributor Name	Contributor Composite		Browse									
Category Energy	As of 12/05/24	Ticker Type	Actual									
Overview	Curve Analysis	Spot	Q4 24	Q1 25	Q2 25	Q3 25	2024	2025	2026			
1) NYMEX WTI \$/BBL	68.28	69.41	67.75	67.20	66.57	76.04	66.87	64.78				
Forecast (Median)	72.39	72.50	73.33	72.66		76.52	71.00	70.00				
Diff (Median - Curr)	+2.98	+4.75	+6.14	+6.09		+0.48	+4.13	+5.22				
2) ICE Brent \$/BBL	72.00	72.72	71.42	70.85	70.32	79.85	70.60	68.96				
Forecast (Median)	75.91	75.20	76.50	76.00		80.95	76.00	74.00				
Diff (Median - Curr)	+3.19	+3.78	+5.65	+5.68		+1.10	+5.40	+5.04				
3) Dubai Fateh Crude Oil USD/bbl	72.77	73.16	70.82	70.06	69.44	79.57	69.80	68.02				
Forecast (Median)	77.00	77.00	74.00	76.00		80.00	77.00	75.17				
Diff (Median - Curr)	+3.84	+6.18	+3.94	+6.56		+0.43	+7.20	+7.15				
4) ICE Gasoil	655.25	661.55	653.54	649.91	650.40	742.81	651.00	646.26				
Forecast (Median)	700.00	706.50	696.50	688.50		761.50	693.50	655.00				
Diff (Median - Curr)	+38.45	+52.96	+46.59	+38.10		+18.69	+42.50	+8.74				
5) Diesel 10ppm FOB ARA	658.75	682.50	676.50	662.50	679.00	680.00	730.00					
Forecast (Median)												
Diff (Median - Curr)												
6) NYMEX RBOB c/gal	193.42	196.17	201.93	213.67	202.11	228.94	201.01	192.86				
Forecast (Median)	205.36	209.00	233.00	225.00		239.50	227.00	245.00				
Diff (Median - Curr)	+9.19	+7.07	+19.33	+22.89		+10.56	+25.99	+52.14				
7) NYMEX Heating Oil	215.17	219.05	215.45	213.77	215.88	240.48	215.75	215.11				
Forecast (Median)	218.00	231.00	237.00	242.95		242.00	236.50	271.00				
Diff (Median - Curr)	-1.05	+15.55	+23.23	+27.07		+1.52	+20.75	+55.89				
8) NYMEX Henry Hub	3.08	2.95	2.80	3.03	3.23	3.30	3.50	3.50				

- Yellow dropdown to change category between "Energy", "Metals" and "Agriculture" commodities
- Yellow date box to get forecast as of specific date
- Click on commodity name to get the full list of strategists, and toggle between yearly and quarterly forecasts
- Red button "Export" to download data to Excel

Foreign Exchange Forecasts - FXFC <GO>

Contributor	Bloomberg Composite	Spot	Q1 25	Q2 25	Q3 25	Q4 25	2026	2027	2028	2029
10 Euro	EURUSD									
Forecast		1.04	1.05	1.05	1.06	1.09	1.08	1.11	1.12	
Forward		1.06	1.06	1.07	1.07	1.08	1.10	1.12	1.14	1.16
17 Japanese Yen	USDJPY									
Forecast		150	149	147	147	140	137	133		
Forward		150	148	147	145	144	139	135	130	126
13 Japanese Yen	EURJPY									
Forecast		157	156	155	156	153	151	145		
Forward		159	158	157	156	154	151	149	146	
14 British Pound	GBPUSD									
Forecast		1.27	1.27	1.27	1.28	1.30	1.33	1.37		
Forward		1.28	1.28	1.27	1.27	1.27	1.27	1.27	1.27	1.28
19 British Pound	EURGBP									
Forecast		.83	.82	.82	.82	.83	.82	.82		
Forward		.83	.83	.84	.84	.85	.87	.88	.90	.91
10 Swiss Franc	USDCHF									
Forecast		.90	.90	.89	.90	.90	.87	.85		
Forward		.88	.87	.86	.85	.84	.81	.78	.75	.73
17 Swiss Franc	EURCHF									

- Yellow dropdown to switch between G10 currencies and regional currencies
- Change the date to get forecasts as of a specific historical date
- Red button "Export to Excel"

Credit Rating Profile - CRPR <GO>

- Left column for credit ratings by agency. Click each item for rating change history and transparency
- Right column for alternative risk measures, including for companies not covered by major ratings agencies
- **DRSK, MIPD <GO>** for market implied default risk where available
- Credit Benchmark **CRSR <GO>** for consensus rating and analytics based on contributed risk views from 40+ of the world's leading financial institutions.
- Red button "Company Tree" for subsidiary information

World Interest Rate Probabilities - WIRP <GO>

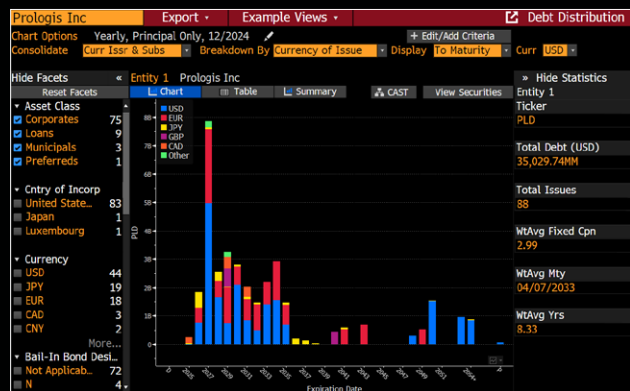
- Implied probability of central bank rate hikes/cuts based on market interest rates
- Click right-hand rail list to toggle between country and futures vs. OIS based models
- Top-right date input to change model date
- Red buttons to change model default and export to Excel

Graph Curves - GC <GO>

Curve Id	3M	1Y	2Y	3Y	5Y	10Y	15Y
10 B574	4.575	4.576	4.531	4.659	4.909	5.369	5.625

- Top-left yellow box to search for corporate or sovereign interest rate curves. "BVAL" refers to a fixed rather than benchmark curve
- **GC <GO>** will open with the suggested curve for the loaded security
- Top left yellow date box or dark grey buttons to add historical curves
- Red button "Settings," "Curve Dates" to add or remove more dates
- Top-right "Curves & Relative Value" to add or remove additional curves and see spreads
- Red button "Actions" to save or load
- Red button "Table" to see data
- Right click on chart, "Copy Data to Clipboard" to export to Excel

Debt Distribution/Maturity Profile - DDIS <GO>



- Debt maturity profile for selected issuer
- Left rail to filter by asset class, currency or country
- Yellow dropdown to filter, e.g. by rating or currency
- Grey tab "View Securities" to get full list
- Red button "Export" to download to Excel or Fixed Income Worksheet FIW (SEE NEXT PAGE)

Bloomberg Treasury and Money Markets Data - BTMM <GO>

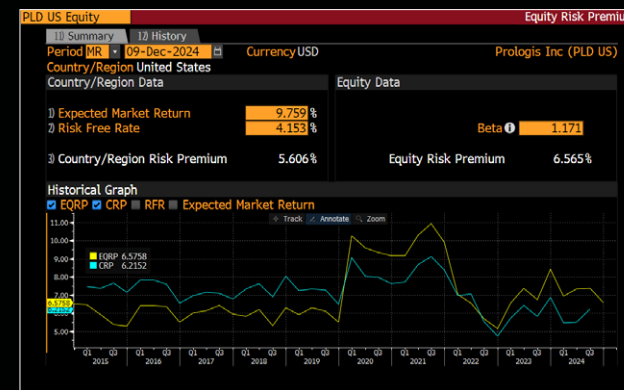
- Regional interest rate security pricing
- Top-left dropdown or red button "Browse" to toggle between country/market
- Left-click on individual security to load
- Right-click on an individual security for a dropdown list with options such as Description (DES) or Price Chart (GP)

Issuance Curve/Fixed Income Worksheet - FIW <GO>



- Plot list of debt securities from single or multiple issuers
- Yellow "Group By" input to change grouping e.g. from rating to currency
- Yellow y-axis input to change from "Yield" to "Cross Currency Yield" to see yield in local currency
- Red button "Settings" to change XCCY base currency as required
- Right click on stray bonds, "Hide Selected Points" to remove from distribution
- Grey tab "Curves and Groups", "click the chart icon to plot a curve over the selected points"

Equity Risk Premium - EQRP, WACC <GO>



- Toggle between "MR" (Most Recent), with the specific date of calculation, and the selected quarter or year of calculation
- Update "Expected Market Return," "Risk Free Rate" or "Beta" to change calculation
- EQRP = RF + B * (Market Return - RF)
- Grey "History" tab to see the change in equity risk premium components
- Also see WACC <GO> for Weighted Average Cost of Capital calculation

Mergers & Acquisitions, Equity Offerings - MA, IPO <GO>

The screenshot shows the Bloomberg Mergers & Acquisitions search interface. At the top, there are tabs for 'Search', 'Advanced Search', 'Actions', 'Export', and 'Settings'. Below these are filter options for 'M&A', 'Investment', and 'Other', along with a 'Date Range' dropdown set to 'Last 120 Days' and a 'Currency' dropdown set to 'USD'. A red button labeled 'Advanced Search' is visible. Below the filters, there are several summary tables: 'Deal Status Breakdown', 'Geographic Breakdown', and 'Industry Breakdown'. At the bottom, a 'Deal List' table is displayed with columns for Type, Ann Date, Target, Acquirer, Value, Payment Type, and Status. The deal list includes entries for various companies like Seven & I Holdings Co Ltd, Anglo American PLC, Kellanova, Discover Financial Services, ANSYS Inc, Paramount Global, Endeavour Energy Resources, Skydance Media LLC, and Wiz Inc.

Deal Status	Value	Count	Target Region	Value	YoY(%)	Target Industry	Value	YoY(%)
All	3.9T	51,624	All	3.9T	17.8 ↑	All	3.9T	17.8 ↑
12 Pending	1.5T	12,241	12 North America	1.8T	15.8 ↑	53 Financials	534.7B	44.8 ↑
13 Completed	1.5T	35,789	12 Asia Pacific	931.8B	10.9 ↑	53 Technology	524.8B	35.0 ↑
13 Terminated	36.0B	236	12 Europe	879.6B	25.5 ↑	53 Communications	393.7B	112.8 ↑
14 Proposed	603.6B	2,684	14 Middle East & Africa	134.6B	95.8 ↑	54 Industrials	392.5B	-2.4 ↓
15 Withdrawn	202.4B	574	15 LATAM & Caribbean	112.2B	16.4 ↑	53 Energy	362.8B	-11.3 ↓

Type	Ann Date	Target	Acquirer	Value	Payment Type	Status
118 M&A	08/19/24	Seven & I Holdings Co Ltd	Multiple acquirers	66.1B	Cash	Proposed
118 M&A	04/24/24	Anglo American PLC	BHP Group Ltd	42.0B	Stock	Withdrawn
118 M&A	08/14/24	Kellanova	Mars Inc	35.5B	Cash	Pending
118 M&A	02/19/24	Discover Financial Services	Capital One Financial Corp	34.4B	Stock	Pending
119 M&A	01/05/24	ANSYS Inc	Synopsys Inc	33.4B	Cash and Stock	Pending
118 M&A	04/19/24	Paramount Global	Multiple acquirers	26.0B	Cash	Withdrawn
117 M&A	02/12/24	Endeavour Energy Resources	Diamondback Energy Inc	25.0B	Cash and Stock	Completed
118 M&A	07/07/24	Paramount Global	Skydance Media LLC	24.5B	Cash or Stock	Pending
118 M&A	04/03/24	Paramount Global	Skydance Media LLC	23.5B	Cash	Withdrawn
118 M&A	07/14/24	Wiz Inc	Alphabet Inc	23.0B	Cash	Proposed

- MA <GO> for mergers and acquisitions, IPO <GO> for equity capital market transactions
- Red button "Advanced Search" to access the search builder
- Within search builder, click on criteria including "Date Range," "Region/Country" and "Sector/Industry" to narrow search. Check boxes to apply to Target, Seller or Acquirer
- Click "Save" or "Results" in bottom-right corner to complete search
- On output page, click "Deal List" tab to get full list of transactions. Yellow "Add Column" box to enter more fields, including deal valuation metrics
- Click on individual deals for more information, with deal documents under "Sources/News"
- Red button "Export" to output deal list to Excel

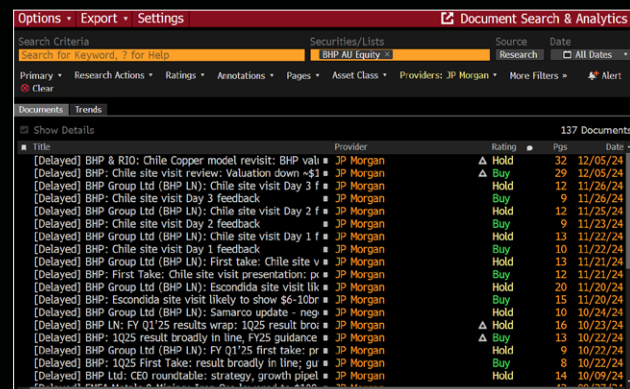
Research

Analyst Recommendations - ANR <GO>



- Current and historical price targets from contributing sell-side analysts
- Can also be run on an index for aggregated price forecast data
- Dark grey date buttons to change the length of chart history
- Yellow date box to change the historical date of price targets
- Click on the analyst name to get the full coverage list
- Click on the chart icon on the right to get analyst recommendation history
- Red button "Export" to download the table in Excel

External Research - DS RES <GO>



- Search analyst reports by company or ticker list
- Add keywords or Securities/Lists in yellow dropdowns
- Add additional criteria filters with dark grey buttons
- Red button "Options," "Save Search & Set Alert" to save; "Options," "My Searches" to load
- Red button "Export," "Bulk Download" to pull multiple reports
- Red button "Settings," to switch between document viewer and auto-download

Internal Research - Bloomberg RMS*

Comprehensive Research System Administration Suite

- Team Management**
RESM <GO>
CMTY <GO>
- Internal Data Access and Control**
CDE <GO> FILE <GO>
TAGS <GO>
- Broker Entitlement and Evaluation**
RESM <GO> ENTC <GO>
RVAL <GO>

Structured and unstructured content creation, tagging, and custom data capture

Powerful search, discovery, analytics, and integration in the Bloomberg platform maximizes the visibility and impact of internal research insights

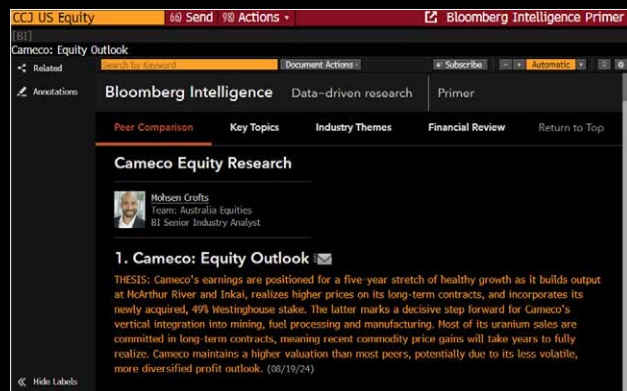
- AI and NLP Powered Intelligent Document Search**
DS <GO>
- Custom Worksheets and Shared Dashboards**
W <GO>
- Custom Company Tearsheets**
TRST <GO>
- Research Analytics and Model Portfolio Configuration**
RESA <GO>
CDAP <GO>
- Chat-Based Research Forums and Document Engagement**
IB <GO> DS <GO>
- Portfolio Management with Order Modeling and Pro Forma Analysis**
PM <GO>
- Portfolio Analytics and Optimization**
PORT <GO>
PORT WS <GO>
- Portfolio Report Generation and Scheduling**
PREP <GO> JMGR <GO>

API access to Bloomberg data and client data unlocks truly unique insights and highly customizable reporting

- BQL**
Bloomberg data and analytics
- RMS BQL**
Research library and notes meta data
- CDE BQL**
Internal recommendations and forecasts
- AIM BQL**
IBOR positions and transactions
- PORT BQL**
Portfolio characteristics, performance and risk

*Enterprise subscription model may apply, contact sales for more information

Bloomberg Intelligence Company Outlook - BICO <GO>



- **BICO <GO>** for outlook primer on equity, fixed income, currency, commodity or strategy topics
- Red button "Actions," "Export to PDF" to download report
- Click on the headings to view the underlying topic information
- Click "Related" on the left rail to see related research and data
- Click on the analyst's name for contact details
- **BIP <GO>** for topic primer search
- **BI <GO>** for directory of industry data and research dashboards

Bloomberg ESG Data - ESG, BESG <GO>



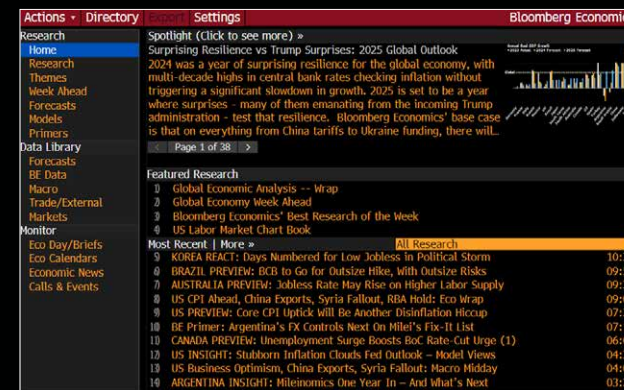
- **ESG <GO>** displays a company's ESG data by theme, including scores and alignment with major regulatory frameworks.
- **BESG <GO>** landing page for all of Bloomberg's sustainable finance solutions, including documentation
- **ESGD <GO>** directory of ESG data fields available on Bloomberg

Bloomberg New Energy Finance - BNEF, NEFW <GO>



- Terminal portal for BNEF sustainability, carbon and energy transition research
- Yellow boxes and left-hand rail
- Red button "Actions," "Set Alert" to save search to NLR
- Red button "Website" or **NEFW <GO>** to access website for authorized clients
- Click "Recent Research," for full list of results

Bloomberg Economics Dashboard - BECO, BIE <GO>



- Dashboard for Bloomberg's in-house economic research team
- "Research" for recurring updates on economic indicators
- "Themes" for in-depth thematic reports
- "Models" to download proprietary models by country
- "Primers" or **BIE <GO>** for macro chart deck

Market Alerts - MLRT, MLRT NEW <GO>

Last Securities	T Alert Conditions	Limit	Ta... Notes	Delivery
7854.102 AS51 Index	Last Trade >	8645		All
67.66 Q1 2024 Com	Last Trade <=	53		
6.39 FUEL All Equity	Last Trade <=	5.0		
102.50 TOEAL62 Index	Last Trade <	85		
19704.66 NDQ Index	Last Trade <=	19300		
5638.94 SPX Index	Last Trade <	5400		
7854.102 AS51 Index	BEst P/E Ratio <= 16 at 17:00 with 1 Overr...Met			

New Charts

- MLRT <GO> for list of existing rules
- Yellow boxes to substitute securities, prices or notes
- Icons on the right to delete rule or change delivery method
- MLRT NEW <GO> or red button "Create" to add new rule
- Enter conditions in yellow box, or click "Browse Conditions," then use dropdowns to modify
- Add time range/expiration and delivery options
- Click "1) Create Alert" in bottom left to complete alert

Price and Valuation

Line, Candle, OHLC, Intraday Chart - GP, GPC, GPO, GIP <GO>



New Charts

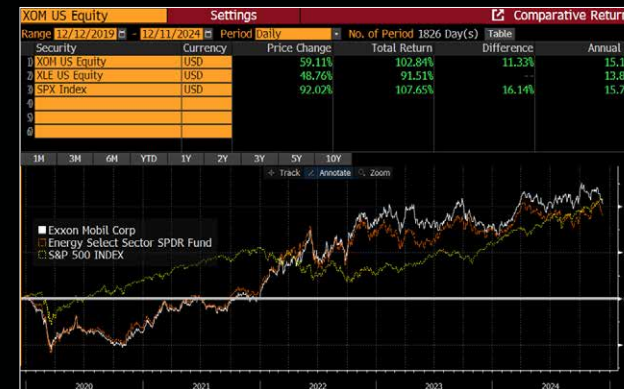
- Top-left yellow input and dark grey buttons to quickly change date range
- Red button "Edit," "Securities & Data" to add, edit, or delete securities and data fields. Pen icon on the left, "Configure Data" to add or change estimate period for BEst fields.
- Red button "Edit," "Normalization" to set series to a common base
- Red button "Edit," "Chart Color/Styles" to update appearance
- Red button "Edit," "Date Range" to update chart range and periodicity
- Top right corner "Edit Chart," "Browse Data," "Studies" to add technicals or rate of change
- Right click on chart, "Copy Data to Clipboard," to export to Excel
- Red button "Actions," "Save As" to store in G <GO>

Saved Charts - G <GO>

View	G #	Graph Title	Type	Last Viewed	Sec C	Period	Tags
My Graphs & Maps							
Shared Graphs & Maps							
Trashcan							
Communities							
All Graphs & Maps							
#BI							
Asia BI							
BI - Corp Sales							
BI Asia - BQNT Repos							
Tags							
Create New Tag							
All Graphs & Maps							
Untagged							
Bookmarks							
From NW							
All Real Estate							
Markets							
Retail							
Gold							

- Left-click on chart to load
- Right-click on chart to copy, delete, rename or share
- Red button "Bulk Mode" to update multiple charts
- Yellow box "Create New Tags" to make chart folders
- Drag charts into "Tags" to store in folder

Comparable Returns - COMP <GO>



- Compares returns across multiple securities
- Yellow dropdowns to change date range, periodicity or currency
- Yellow input boxes to update securities and currency
- Grey "Table" button to see data

Total Return Analysis - TRA <GO>



- Historical total return chart, including impact of distributions
- Yellow dropdowns to change date range, periodicity or currency
- Toggle between gross and net dividends

Relative Valuation - RV <GO>



- Compare security against peers on a range of fundamental and valuation metrics
- Top-left dropdown to change the comparable source
- Grey "vs Self" tab for historical chart by metric
- Grey date buttons to change the range for historical premium/discount
- Right-click on a security for links to other functions
- Bottom-right "Analyze List" to manually change the list of comparables

Historical Equity Relative Valuation - EQRV <GO>



- Compare security against peers based on current and historical valuation
- Top-left dropdown to change comparable source
- Left-click on individual security to load
- Right-click on individual security for dropdown list with Description (DES) or Price Chart (GP)
- Bottom-right "Analyze List" to manually change the list of comparables

Market Relative Valuation - MRV <GO>



- Compare equity indices by charting historical valuation metrics
- Yellow dropdown "Index Basket" to change the list of indices
- Grey buttons to change comparisons
- Left-click on column heading to sort
- Yellow chart dropdown to change metric
- Grey chart buttons to change range
- Top left or 99 <GO> to save as default

Historical Spreads, Correlation, Regression - HS <GO>



- Track spread, ratio, correlation and regression between a pair of securities or indices
- Top-left yellow boxes to change security and add multipliers or constants
- Yellow "-" dropdown to change between spread and ratio
- Yellow "Last Price" dropdown to change data field
- Date boxes to change range
- Top-right checkboxes to add regression and correlation chart, with number of days next to correlation
- Right-click on chart, "Copy/Export Options," "Copy Data to Clipboard" to export
- Red button "Actions" to save or export
- Red button "Actions," "View Regression" or BETA <GO> to get full regression analysis

Short Interest - SI, SIA <GO>



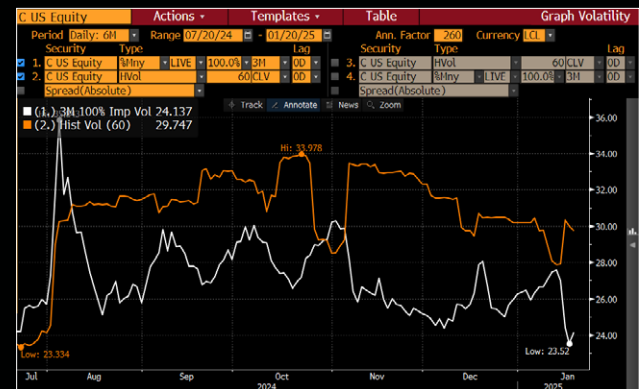
- Change date range in top left
- Short Interest Ratio = Short Interest / Average Daily Trading Volume
- Right click on chart, "Copy/Export Options," "Copy Data to Clipboard" to extract data into Excel
- SIA <GO> for aggregate short sale volumes at the index or sector level

Options Expiry - OPX <GO>



- Analyze the effect of options expirations to estimate the impact to the underlying security
- Set options expiry date in yellow dropdown box
- Chart shows put and call open interest at various strikes
- Click on the grey "Max Pain" tab above the chart to see aggregate options intrinsic value at each strike and the hinge point

Graph Volatility - GV, HVG <GO>



- Chart implied or historical (realized) volatility for selected securities
- Yellow boxes and dropdowns to change security or data field
- Yellow date box to change range
- Right-click on chart, "Copy Data to Clipboard" to export to Excel
- HVG <GO> shows historical volatility on multiple periods
- Red button "Table" shows a chart view of the function

About the Bloomberg Terminal

Since 1981, business and financial professionals have depended on the Bloomberg Terminal® for the real-time data, news and analytics they need to make the decisions that matter. The Terminal provides information on every asset class – from fixed income to equities, foreign exchange to commodities, derivatives to mortgages – all seamlessly integrated with on-demand multimedia content, extensive electronic-trading capabilities and a superior communications network.



Take the next step.

Take the next step. For additional information, press the <HELP> key twice on the Bloomberg Terminal®

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