



MarketPsych's Financial News Summarizations vs ChatGPT

How Specialized Financial AI Beats General Models for Market Intelligence





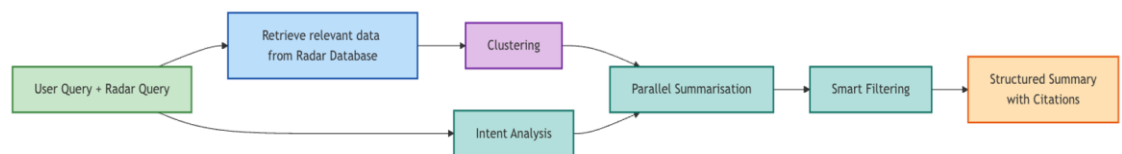
Generating Financial Intelligence With AI News Summaries

Many asset managers feel like they are drowning in information flow about their portfolios. Given the many sources of information moving asset prices - global news, market sentiment swings, and regulatory changes, among others - many turn to chatbot to distill news into digestible insights. And while general-purpose chatbot deliver useful insights, they can also deliver inaccurate or irrelevant content. Using NLP analytics to enhance AI accuracy, MarketPsych created a dedicated financial intelligence system that filters, synthesizes, and summarizes the information affecting individual portfolios.

A variety of formats for information that conveys “signal” (not “noise”) are available, as depicted below:

- **Pre-market briefs** - Comprehensive overnight summaries ready at market open
- **Position-specific alerts** - Real-time notifications on assets moving now, or subject to upcoming data releases, in a portfolio
- **Industry intelligence** - Emerging trends and themes in AI, biotech, renewable energy, and others
- **Risk detection** - Early warnings on regulatory changes, supply chain issues, geopolitical events

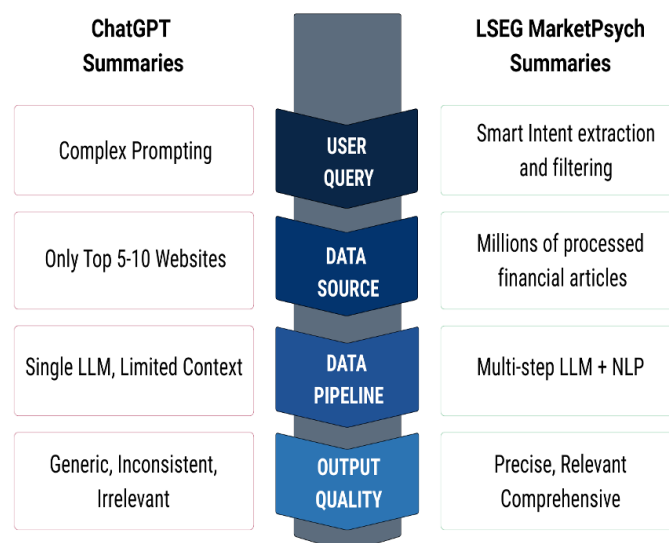
The financial intelligence system described in this paper identifies material and timely asset-related information, summarizes it, and presents it in a readable format that is customized to each user’s workflow. The system pipeline is depicted in the figure below.



ChatGPT vs NLP-Enhanced Summarization: The Key Differences

Summarizing recent news about the Chinese energy storage industry can also be performed by commercial chatbot such as ChatGPT. However, chatbot based on web search frequently fail to find and identify useful recent news into their summaries.

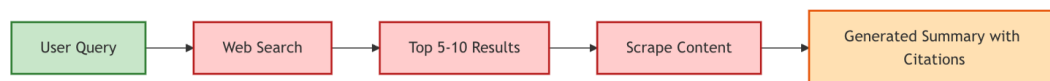
In the infographic below, we show differences between a standard chatbot-created news summarization service and one bolstered by NLP tagging. In Appendix 1 we provide a detailed table comparing the 2 approaches and in Appendix 2, we provide annotated screenshots of MarketPsych Summaries against ChatGPT in Exhibits A through D.





ChatGPT's Web Search Limitations

To better appreciate the challenges faced by commercial chatbot, it helps to review the ChatGPT Web Search Pipeline which is outlined in the figure below. The weakness of the general chatbot approach is described further below in this section.



Database Retrieval vs Web Search

Financial intelligence requires consistent, comprehensive data retrieval from a curated database where every relevant article is captured and indexed. Unfortunately, web searches are inherently non-deterministic - the same query at different times yields different results based on SEO rankings, trending topics, and search engine algorithms.

Look back Period Limitations

Time-sensitive financial decisions require precise temporal filtering. Unfortunately, ChatGPT struggles with time-based queries like "show me all Apple news from the past week." Web search engines prioritize recent and popular content, rendering systematic historical retrieval of detailed news, breaking news, or thoughtful analysis difficult.

Missing Entity Recognition

The most critical gap is entity resolution. ChatGPT cannot reliably connect "AAPL," "Apple Inc.," "Apple," and "the iPhone maker" as the same entity. This means summaries lack structure and attribution - it is difficult for LLMs to track which companies, sectors, or executives are being discussed.



ChatGPT vs MarketPsych's (MP) AI Summaries

Capability	MP Summary	ChatGPT + Web Search	What This Means
Data Source	Multitude of sources including 4,000+ verified financial news outlets, social media, press releases and filings	Random web searches, whatever Google shows today.	MP has a wider range of source types and source-specific handling capabilities.
Data Preparation	Pre-tagged millions of article database on 200k+ entities and hundreds of topic types, using proprietary dictionaries	No data preparation, most likely using cached web searches	MP uses purpose-built article database
Data Retrieval	Fetches 100k+ relevant sentences in just a few seconds.	Scrapes only the top 5-10 search results. Prone to missing key information.	Retrieves much larger set of relevant media for summary
Data Pipeline	Multi-stage LLM pipeline for intent recognition, precision filtering and summarization.	Single, general-purpose LLM call that tries to do everything at once.	MP summaries are more relevant to the user and easier to customize.
Data Processing	Employs event clustering and parallel summarization to consider all articles.	Limited context window; cannot process all relevant articles in a single request.	MP gives more comprehensive summaries
Summary Result	Deterministic data retrieval and processing leads to consistent summaries.	Inconsistent results based on web searches and how prompt is interpreted.	MP gives more consistent summaries

Real-World Performance Comparisons

Exhibit A: Pre-Market Brief on the US Defense Industry (Past 24H)

MarketPsych’s Summaries clearly outperform ChatGPT on the following US Defense industry summary, with recent and relevant updates on several companies in the US defense sector. ChatGPT was only able to surface one relevant (but uninteresting) event in total - L3Harris’ stock price decline - while MarketPsych's summaries mention L3Harris’ important newly-announced partnership with Joby Aviation.

ChatGPT With Web Search Tool	MarketPsych Summary
Here's a concise summary of key developments affecting U.S. arms and defense firms over the past 24 hours: Stock & Analyst Movements V2X (Defense Logistics Provider) Slightly Stale News V2X's stock surged 10.4% following an upgrade from BofA Securities—from Hold to Buy—and an increased price target of \$65. The boost was driven by a newly secured \$4.3 billion contract with the U.S. Air Force to support T-6 aircraft, marking a strong vote of confidence in V2X's growth potential. Stale L3Harris Technologies (LHX) The stock declined by approximately 2.6%, despite solid fundamentals. The drop appears to reflect cautious sentiment from traders in the face of mixed technical signals. Stale Overall Defense & Aerospace Sector Broader industry coverage has surfaced, including mentions of giants like Boeing, Lockheed Martin, and Northrop Grumman, though no singular standout news—suggesting market observers continue tracking sector activity closely. Insufficient news input from web search Geopolitical & Market Sentiment Trump–Putin Summit Anticipation Markets are on edge ahead of an upcoming U.S.–Russia summit. Investors are weighing the chance of a cease-fire in the Russia–Ukraine conflict—around 35% implied probability—that could trigger a "peace dividend" and impact defense stocks. Oil and gold markets are also reacting to this geopolitical tension. Stale Looking Ahead Filling up response with hypotheticals Opportunities for Ramifications If the V2X contract leads to follow-on deals or similar wins across the sector, expect renewed momentum in defense equities. Conversely, rising geopolitical optimism from a successful cease-fire could temper defense spending prospects, pressuring stock performance. Continued technical weakness at firms like L3Harris may signal cautious positioning among investors regarding short-term valuations.	News Media Post-day U.S. defense-sector news includes unit divestitures, fresh contracts, analyst upgrades, emerging drone partnerships, and missile sales approvals affecting ten publicly traded producers. Kratos Defense and Security Solutions Inc (KTOS.O) BTIG upgraded the stock to Buy from Neutral, citing improving outlook. Featured among notable pre-market movers after the upgrade, signaling heightened investor attention. Lockheed Martin Corp (LMT) Missiles and Fire Control unit highlighted for sustained order momentum; company advancing new missile programs to extend growth streak. Named as one of the principal contractors in a U.S. State Department–approved USD 346 million foreign military sale of bombs, rockets and precision munitions to Nigeria, alongside RTX and BAE Systems. Coherent Corp (COHR.O) Announced agreement to sell its Aerospace & Defense division to private-equity firm Advent for USD 400 million and reiterated strategic shift toward core photonics and micro-electronics markets. Palantir Technologies Inc (PLTR.O) Government segment continues to expand as additional U.S. Department of Defense contracts drive five-year revenue surge illustrated in new growth analysis. Partnered with Red Cat's Black Widow drone program to embed AI-based visual navigation, enhancing military drone capabilities. L3Harris Technologies Inc (LHX) Entered exploratory partnership with Joby Aviation to develop a new aircraft class for defense applications, contributing to the broader rally in drone-related stocks. Raytheon Co (RTN.O) Tucson site secured a USD 258 million U.S. Navy contract to develop and integrate SM-2 ship-based missile-defense systems; reinforces Raytheon's role within RTX Corp's defense portfolio. Howmet Aerospace Inc (HWM) Analyst note highlighted \$4.9 % share-price rise over the past year and forecast continued strength from elevated U.S. defense budgets and engine spare-part demand. AeroVironment Inc (AVAV.O) Puma surveillance drones reported to be competing directly with ARO's Sky Watch units already deployed by NATO and Ukrainian forces, underscoring growing battlefield demand. Kopin Corp (KOPN.O) Received USD 9 million follow-on order for thermal imaging assemblies used in defense applications.

Exhibit B: Americas Central Bank Activity, Pre-market Brief (Past 24H)

MarketPsych's Summaries also capture important overnight central bank news for bond and interest rate investors in the Americas, clearly outperforming ChatGPT, which was unable to find any recent central bank-related events, citing events from one to two months prior.

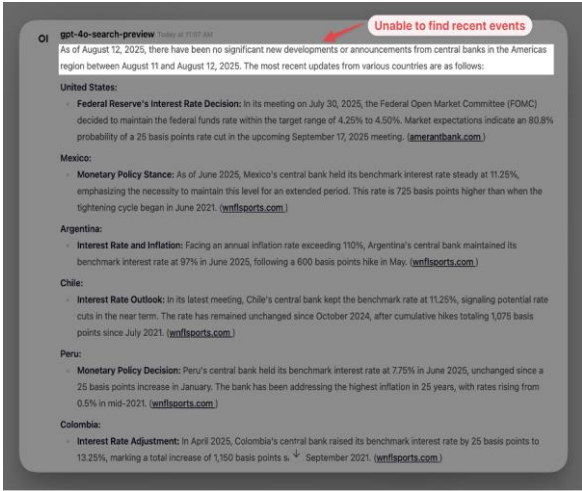
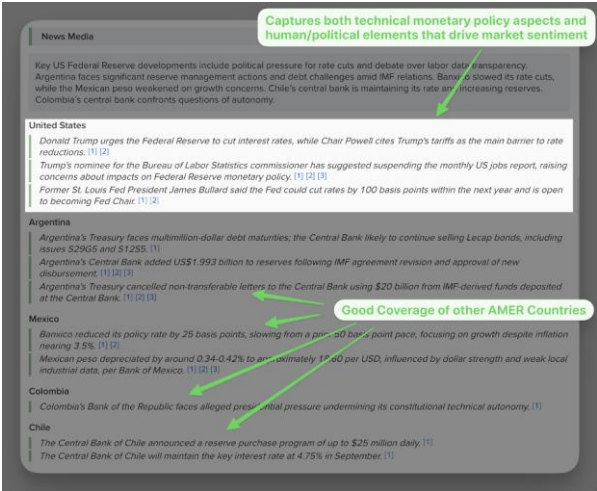
ChatGPT With Web Search Tool	MarketPsych Summary
 get-4o-search-preview Took up 17:02 AM As of August 12, 2025, there have been no significant new developments or announcements from central banks in the Americas region between August 11 and August 12, 2025. The most recent updates from various countries are as follows: United States: Federal Reserve's Interest Rate Decision: In its meeting on July 30, 2025, the Federal Open Market Committee (FOMC) decided to maintain the federal funds rate within the target range of 4.25% to 4.50%. Market expectations indicate an 80.8% probability of a 25 basis points rate cut in the upcoming September 17, 2025 meeting. (ameriabank.com) Mexico: Monetary Policy Stance: As of June 2025, Mexico's central bank held its benchmark interest rate steady at 11.25%, emphasizing the necessity to maintain this level for an extended period. This rate is 725 basis points higher than when the tightening cycle began in June 2021. (wnfsports.com) Argentina: Interest Rate and Inflation: Facing an annual inflation rate exceeding 110%, Argentina's central bank maintained its benchmark interest rate at 9% in June 2025, following a 600 basis points hike in May. (wnfsports.com) Chile: Interest Rate Outlook: In its latest meeting, Chile's central bank kept the benchmark rate at 11.25%, signaling potential rate cuts in the near term. The rate has remained unchanged since October 2024, after cumulative hikes totaling 1,075 basis points since July 2021. (wnfsports.com) Peru: Monetary Policy Decision: Peru's central bank held its benchmark interest rate at 7.75% in June 2025, unchanged since a 25 basis points increase in January. The bank has been addressing the highest inflation in 25 years, with rates rising from 0.5% in mid-2021. (wnfsports.com) Colombia: Interest Rate Adjustment: In April 2025, Colombia's central bank raised its benchmark interest rate by 25 basis points to 13.25%, marking a total increase of 1,150 basis points since September 2021. (wnfsports.com)	 News Media Key US Federal Reserve developments include political pressure for rate cuts and debate over labor data transparency. Argentina faces significant reserve management actions and debt challenges amid IMF relations. Banco de Chile slowed its rate cuts, while the Mexican peso weakened on growth concerns. Chile's central bank is maintaining its rate and increasing reserves. Colombia's central bank confronts questions of autonomy. United States - Donald Trump urges the Federal Reserve to cut interest rates, while Chair Powell cites Trump's tariffs as the main barrier to rate reductions. ^{[1] [2]} - Trump's nominee for the Bureau of Labor Statistics commissioner has suggested suspending the monthly US jobs report, raising concerns about impacts on Federal Reserve monetary policy. ^{[1] [2] [3]} - Former St. Louis Fed President James Bullard said the Fed could cut rates by 100 basis points within the next year and is open to becoming Fed Chair. ^{[1] [2]} Argentina - Argentina's Treasury faces multimillion-dollar debt maturities; the Central Bank likely to continue selling Lecap bonds, including issues S29GS and S12SS. ^[1] - Argentina's Central Bank added US\$1.993 billion to reserves following IMF agreement revision and approval of new disbursement. ^{[1] [2] [3]} - Argentina's Treasury cancelled non-transferable letters to the Central Bank using \$20 billion from IMF-derived funds deposited at the Central Bank. ^{[1] [2] [3]} Mexico - Banxico reduced its policy rate by 25 basis points, slowing from a previous 50 basis point pace, focusing on growth despite inflation nearing 3.5%. ^{[1] [2]} - Mexican peso depreciated by around 0.34-0.42% to approximately 17.60 per USD, influenced by dollar strength and weak local industrial data, per Bank of Mexico. ^{[1] [2] [3]} Colombia - Colombia's Bank of the Republic faces alleged presidential pressure undermining its constitutional technical autonomy. ^[1] Chile - The Central Bank of Chile announced a reserve purchase program of up to \$25 million daily. ^[1] - The Central Bank of Chile will maintain the key interest rate at 4.75% in September. ^[1]

Exhibit C: Pre-Market Brief on US Data Centers (Past 24H)

In the below example of summarization for U.S. data center company news, ChatGPT’s summary is a small subset of MarketPsych’s, which covers 4x more companies and events and invokes related market-moving macro factors such as US tariffs on AI Chip sales to China.

ChatGPT With Web Search Tool	MarketPsych Summary
Major Corporate Announcements & Infrastructure Expansion Meta's Data Center Ambitions Meta CEO Mark Zuckerberg revealed plans for building massive new data centers across the U.S., reflecting the company's aggressive push into AI infrastructure. ARK Google's \$9 Billion AI & Cloud Push in Oklahoma Google is investing \$9 billion over two years to expand its AI and cloud infrastructure in Oklahoma, including a new data center campus in Stillwater and expansion in Pryor. This comes alongside a broader capital expenditure increase to about \$85 billion in 2025. ARK Google's Strategic Infrastructure Tie-up via TeraWulf TeraWulf—known for high-performance compute and bitcoin-mining infrastructure—struck a \$3.7 billion, 10-year deal with Fluidstack to provide AI cloud compute capacity (200 MW) in New York. Google will backstop \$1.8 billion in lease obligations and gain an 8% ownership stake in TeraWulf. Capacity is expected online by early 2026. ARK Equinix Turns to Nuclear Power Data center operator Equinix inked several agreements to power its facilities with advanced nuclear energy, including a 500 MW deal with Oklo and microreactors from Radiant Nuclear. The move addresses sustainability amid the energy-intensive nature of AI workloads. ARK Financing, Market Activity & Sector Dynamics CoreWeave's Mixed Performance CoreWeave, a GPU-intensive cloud provider, reported \$1.2 billion in Q2 revenue—a threefold year-over-year increase, driven by demand for AI compute. However, its stock dropped 21% on concerns about backlog growth and heavy capital spending. The company carries over \$11 billion in debt, including a \$9 billion acquisition of Core Scientific, and upcoming shareholder dilution from IPO lockup expirations. ARK \$3 Trillion AI Infrastructure Surge According to the Financial Times, an unprecedented \$3 trillion wave of global investment in AI infrastructure is underway. Hyperscalers like Google, Amazon, and Microsoft are projected to spend over \$400 billion on infrastructure by 2026. Private debt financing is playing an increasing role, although risks of overcapacity and technological obsolescence apply. Financial Times	AI Summary (Model Strong Instructions added), Citations: On, Smart Filtering: On News Media Major US-based companies reported significant developments in data centers, AI compute, and infrastructure. Highlights include multi-billion-dollar data center investments, rapid AI-related hardware growth, regulatory and trade activity affecting chipmakers, and notable partnerships (e.g., Oracle-Google, TeraWulf-Google). Actionable news covers upgrades in networking, surging demand for AI servers, semiconductor policy impacts, and expansion to renewable-energy-powered data centers. NVIDIA Corp (NVDA.O) Nvidia's H20 AI chips, claimed comparable to Chinese equivalents, were reportedly used in China's DeepSeek AI. US officials allege denial of hidden trackers in Nvidia chips sent to China. NYT Microsoft Corp (MSFT.O) Microsoft plans to invest approximately \$300 billion in AI infrastructure and over \$250 billion in data centers alongside peers in 2025. NYT Oracle Corp (ORCL.O) Oracle Corp secured a deal to sell Alphabet's Gemini AI models, advancing its strategy to offer diverse AI options to customers. NYT Cisco Systems Inc (CSCO.O) Cisco Systems forecasted full-quarter revenue above estimates, driven by AI-related demand for networking equipment from cloud customers, despite a 1.5% share decline. NYT Amazon.com Inc (AMZN.O) Amazon Web Services remains the world's largest cloud platform and a key destination for AI developers in the US data center ecosystem. NYT Advanced Micro Devices Inc (AMD.O) Advanced Micro Devices stock rose after Nvidia reportedly may delay Rubin chip launch, amid new US tariff policies imposing 15% revenue penalty on AI chip sales to China. NYT Palantir Technologies Inc (PLTR.O) Palantir Technologies reported a 30% year-over-year revenue increase from its top 20 AI customers, indicating strong demand and positive outlook. NYT Intel Corp (INTC.O) Intel shares rose 7.4% during trading and an additional 3.4% after hours following reports the Trump administration may acquire an equity stake. NYT CoreWeave Inc (CRWV.O) CoreWeave Inc is a Nvidia-backed cloud provider focused on AI infrastructure, with significant investments in AI compute and investment from Discovery Capital. NYT Equinix Inc (EQIX.O) Equinix partnered with alternative energy providers to support AI-ready data center expansion and appointed Yehliu Li to its Board of Directors. NYT TeraWulf Inc (TWLF.O) TeraWulf secured a \$3.7 billion infrastructure deal with Google acquiring interests for 41 million shares, about an 8% stake, to expand a large US data center campus. NYT Broadcom Inc (AVGO.O) Broadcom stock rose driven by strong AI chip demand and capital returns, benefiting from semiconductor tariffs impacting the industry. NYT Amazon Web Services Inc Amazon Web Services remains the largest cloud computing platform and a key AI developer destination amid Oracle's aggressive AI market push. NYT Micron Technology Inc (MU.O) Microsoft is ramping GB300/8300 AI servers with 50% more high-bandwidth memory than GB200, benefiting Micron Technology. NYT



Conclusion

Integrating an Text Tagging Engine into AI projects, such as news summarization, significantly boosts accuracy and utility. Such purpose-built summarization platforms are faster, more precise, and more adaptable than general model chatbot. MarketPsych's Text Tagging Engine combined with off-the-shelf financial news and document pipelines creates consistently relevant, timely insights for investors, as evidenced by the Radar Summaries & Alerts products offered through MarketPsych.

Please reach out for a MarketPsych demonstration or free trial.