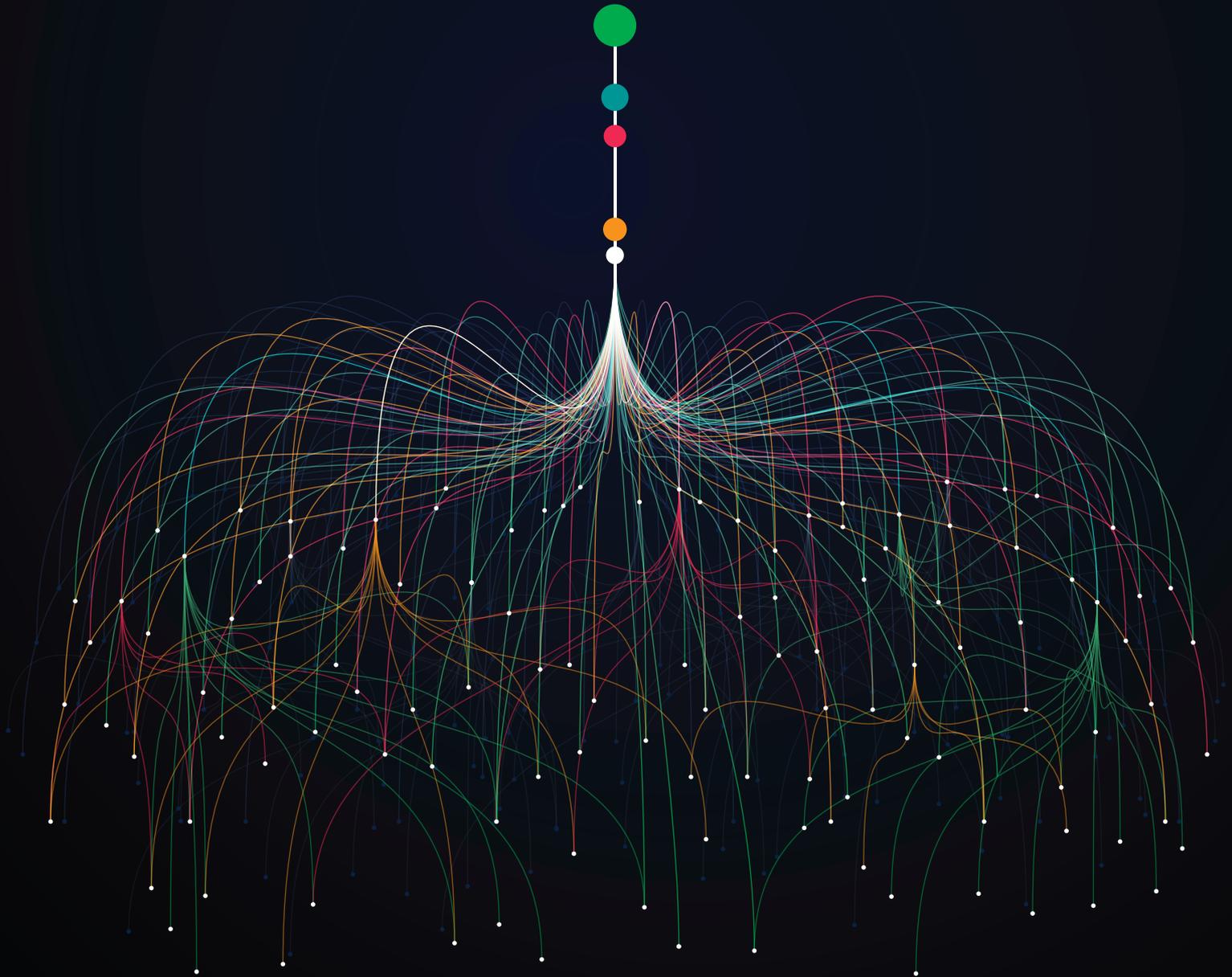




IHS Markit®

Alternative data for financial services

Capture investment insights

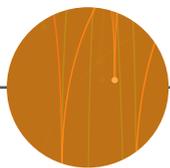
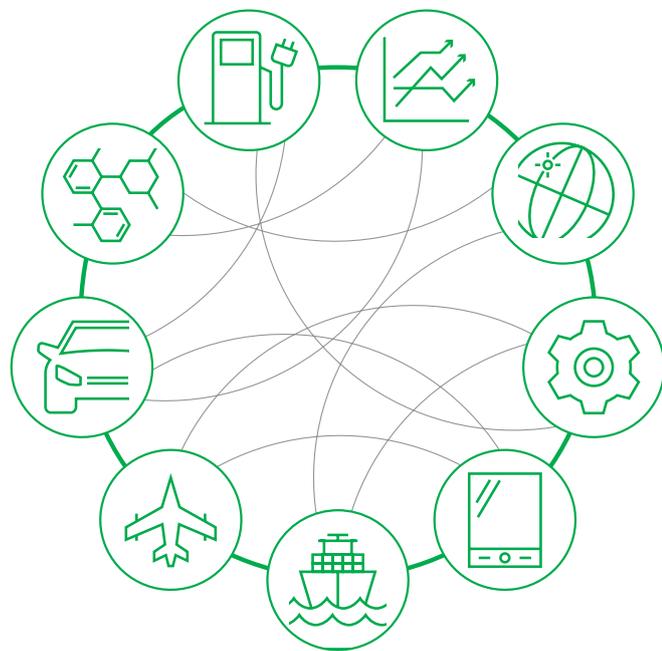


Actionable alternative data supported by insights from industry experts

IHS Markit provides information and analysis to support the decision-making process of businesses and governments in major industries, including Aerospace & Defense; Automotive; Chemical; Energy; Capital Markets; Maritime & Trade, Technology, Healthcare & Pharmaceuticals. We are one of the largest data firms in the world.

Our data scientists, financial experts and industry specialists apply their deep expertise to our 1,500+ datasets and research/information products to provide clients with essential information and analysis to support investment decisions.

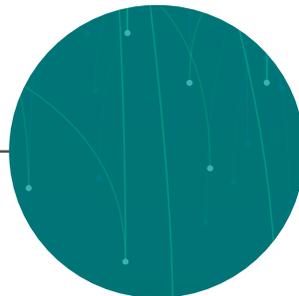
Virtually all of our datasets can be considered alternative data for the equity investor. Even our well-known credit market data can be viewed as alternative by traditional long-short equity investors.



1,500+
datasets



200+
economists



5,000+
information &
industry experts



600+
insights
shared daily

Alternative data to support investment decisions

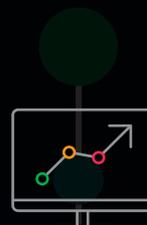
We believe that the ability for financial firms to access, analyze and make investment decisions using real time data from the capital markets and the industrial economy can define competitive advantage. It is no longer good enough to know what has happened, firms want to be able to make informed predictions about what will happen to help them conduct a range of activities, including:



Gain insights into the economic factors that drive the performance of companies, sectors and regions globally



Identify new sources of risk and opportunities in the market



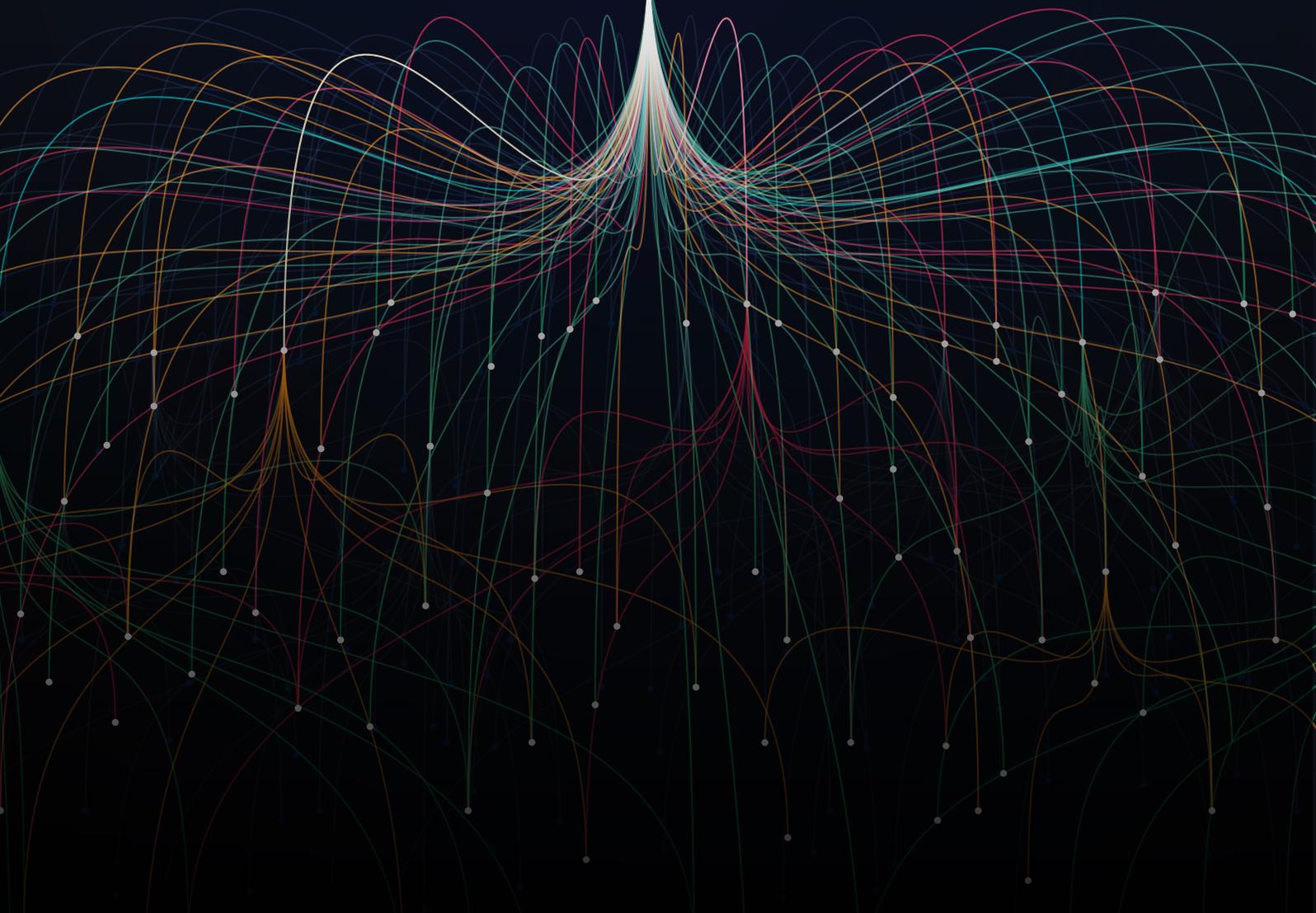
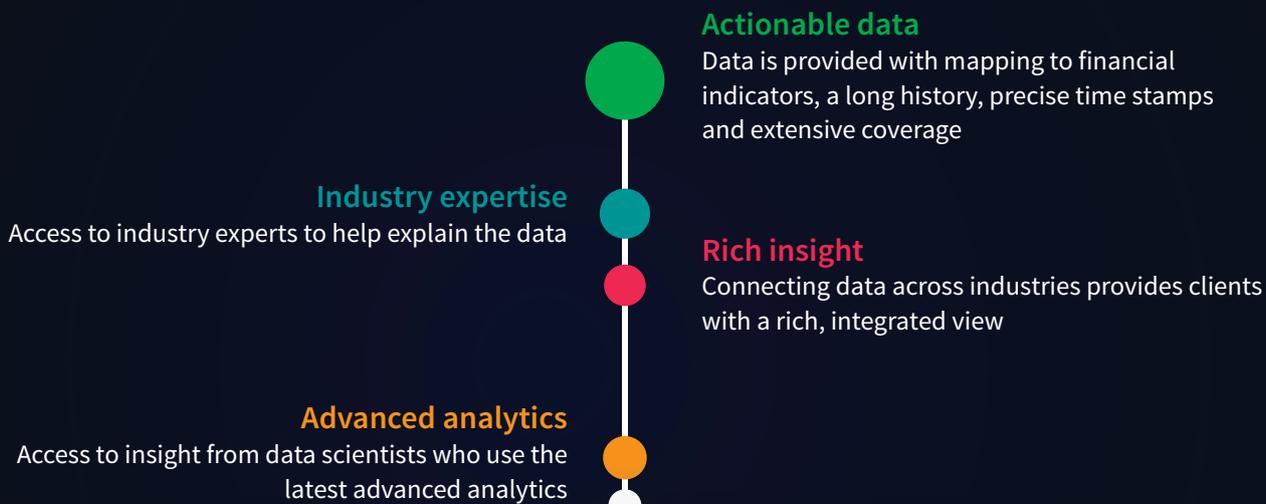
Enhance analysis of new promising private companies

Our datasets can deliver signal value for equity and bond price (sector specific data), investments in natural resources (energy data) and commodities (energy and economics data), and real estate (transport data, economics and country risk data).

We provide access to some of the most comprehensive and rich datasets available, as well as access to the tools, techniques and crucially the experts to help explain the data and identify trends.

Key Benefits

IHS Markit: Your one stop shop for managing the end to end alternative data value chain.



IHS Markit Alternative Datasets

We provide a vast array of alternative datasets that are directly consumable by algorithm or analyst/trader and can support firms in their investment decisions. The following highlights are indicators of the wealth of data contained in each business line.

Financial Services

IHS Markit is a leading provider of critical financial market data and information services. Through a unique combination of leading edge technology and expertise, we refine and distribute billions of gigabytes of data every day, providing customers with deep insight into the global financial markets.

- Global daily short interest data tracking short selling and institutional fund activity covering more than \$20 trillion of global securities in the lending programs of over 20,000 institutional funds sourced directly from industry practitioners including prime brokers, custodians, asset managers and hedge funds
- A comprehensive library of over 500 global quantitative stock selection and strategy signals, covering more than 30,000 securities in 80 countries to support quantitative research using the latest alternative data and analytics
- Proprietary global ownership data covering ETF and index compositions, ETF fund flows, mutual fund holdings and detailed institutional ownership data
- Financial reference mapping service that links a unique entity to its related loans, equity, bonds and credit default swaps, using identifiers such as RED codes, LXID, ISIN and other third-party IDs
- Enterprise data management platform that centralizes and manages disparate data types from multiple sources into a central hub. It creates a single version of the truth in a consistent, transparent and fully audited environment





Aerospace, Defense & Security

Jane's by IHS Markit helps governments, militaries, defense contractors, intelligence agencies and businesses identify and capture profitable opportunities in a shifting global defense environment. We cover three main areas: i) Defense Equipment and Technology, ii) Defense Markets, Forecasts and Budgets, and iii) Threat Intelligence.

- 41,500+ equipment profiles
- Defense budgets for 105 countries with 10 years of historical analysis & 10 years of forecast
- National offensive and defensive nuclear, biological and chemical capabilities of 150+ states



Automotive

IHS Markit provides historical and predictive automotive industry data for U.S. and global markets. Investors can obtain market-driven intelligence on production, sales, and ownership across segments (Light Vehicles, Medium Vehicles, Heavy Vehicles and Commercial Vehicles).

- 17 bn+ records based on 100,000 data sources with history reports on used cars and light trucks since 1981
- Global light vehicle production forecast updated monthly and backed by 10 years of historical data
- Long-term macroeconomic forecast with automotive detail and 2 alternative scenarios out 2035



Energy

IHS Markit brings together a unique blend of global datasets across upstream, midstream and downstream energy markets. With unparalleled depth, investors can access vital details on international wells, exploration and production (E&P), land and lease mapping, markets and infrastructure, and offshore rigs.

- 4,300+ onshore and offshore 3-D seismic survey outlines
- Database including 400+ publicly-traded energy companies and 1,200+ metrics
- Up-to-the-minute market coverage of offshore oil rig activity for Europe, North America and worldwide



Engineering & Product Design

IHS Markit's experts apply advanced analytics/ technologies to comprehensive engineering data resources to find the answers you need. We deliver a market-leading combination of technical content and world-class knowledge discovery tools utilizing artificial intelligence technologies such as cognitive search, machine learning and natural language processing to unlock answers buried deep inside enterprise systems and the vast universe of technical knowledge.

- Defense parts and logistics management system with the most current pricing, technical and availability data on 190+ million part references in 70+ databases (Haystack® Gold)
- A comprehensive online library of 1.7 million documents from 400+ standards developing organizations and publishers
- Product change alerts with track notices from 600+ suppliers and 1,600+ original component manufacturers for 1.5 billion electronic parts



Chemical

Nearly every industry depends on chemicals—from agriculture, energy, industrial manufacturing and consumer products to retailers. IHS Markit solutions provide actionable insight, workflow tools, global and regional market forecasts, and credible analytics covering 300+ chemical products and 2,000+ process technologies from upstream commodity chemicals to downstream specialty chemical segments.

- Chemical price, production cash cost & margin database covering 70+ chemicals providing 2,000+ unique data series
- Searchable online database providing details on 14,000 chemical firms
- In-depth, independent technical and economic evaluations of 2,000+ commercial & emerging technologies used to manufacture 600+ chemicals



Economics & Country Risk

IHS Markit employs more than 200 economists and country risk specialists. Our Economic and Country Risk data delivers the insight for identifying new economic trends, sizing growth opportunities, monitoring risk and opportunity ratio, conducting market assessments, planning for alternate scenarios and securing business continuity.

- Economic and risk data and analysis for 211 countries
- Macroeconomic forecast for 206 countries with 30-year annual forecast, 3-year quarterly and monthly outlook for 100+ key countries
- 15-year forecasts for the global construction industry covering 74 countries and 20 structure types



Maritime & Trade

Successfully managing interconnected global supply chains requires a detailed understanding of international trade flows. With over 90% of international trade being transported by ship, an in-depth understanding of the shipping industry is also critical. IHS Markit is the leading source of critical maritime and trade insight. Our datasets are used to manage complex global supply chains, find sources of competitive advantage, identify new business opportunities and secure our oceans and borders from potential security risks.

- Movements for 200,000+ ships and vessels every 60 seconds
- 10-year supply and demand forecast for container ships, bulk carriers, crude oil and product tankers, LNG and LPG tankers, Ro-Ro and general cargo ships, vehicle carriers, offshore support vessels
- Bill of lading data with 100% coverage of imports into and exports out of the U.S.



IHS Markit®

Alternative data to support investment decisions



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About IHS Markit

IHS Markit (NYSE: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 80 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.



ihsmarkit.com/alternativedata