

AgentixEdge

The full spectrum of commodity intelligence

Quantitative

Signal Engine

Narrative

Intelligence

Cross-Asset

Synthesis



What Do We Deliver?

Quantitative Signal Engine

- Systematic signal sentiment generation across commodity futures
- Multi-horizon confidence scoring with full category breakdown
- Invalidation clauses published with every signal

Narrative Intelligence

- Six intelligence lenses evaluated simultaneously
- Physical supply chain: 50+ live nodes, real-time disruption tracking
- Geopolitical pressure: country → force → asset transmission mapping

Cross-Asset Synthesis

- σ -scored cross-commodity relationships across Energy, Metals, Agriculture
- Equities & Crypto correlation monitoring for macro moves capture
- Constituent bundle behavior: breadth, dispersion, indexed performance

What Is It For?

01

Signal Strength Assessment

Quantify directional conviction with confidence scoring across 10-session windows. Each signal carries bull/bear/neutral distribution

02

Underlying Signal Drivers

Decompose exactly what is moving each signal: breaking news contribution, macro narrative weight, geopolitical risk, market positioning, and demand/supply surprises — all scored and visible.

03

Active Risk Management

Every published signal includes a pre-written invalidation clause, the exact condition that kills it. Stops are pre-published, not discretionary. No hidden positions.

04

Trade Opportunity & Calibration

Identify highest-conviction entries across asset classes. Signal gate enforces curve confirmation, physical evidence, and minimum confidence before any signal is admitted.

05

Position Sizing Intelligence

Regime maturity, conviction percentage, and z-score displacement inform sizing. Graded independently by track

Who Is It For?

Hedgers

Physical & Financial

Producers, refiners, utilities, and merchandisers hedging price exposure. Prism delivers regime durability, invalidation signals, and supply chain disruption propagation — the inputs that govern when and how much to hedge.

Regime Durability

Supply Chain Risk

Forward Curve

Systematic Desks

CTA · Quant · Algorithmic

Rules-based and model-driven desks seeking systematic signal integration. Prism publishes structured signals with confidence scores, spread/outright separation, and pre-defined invalidation clauses compatible with algorithmic frameworks.

Signal Structure

Confidence Scores

Spread/Outright

Discretionary Traders

Prop · Portfolio · Macro

Active traders seeking institutional-quality cross-asset context. Prism synthesizes quant signals, narrative intelligence, and physical market conditions into conviction-ranked opportunities with pre-published stops.

Cross-Asset

Macro Context

Conviction Ranking

Sector Analysts

Research · Advisory · Risk

Energy, metals, and agricultural analysts monitoring market regimes and risk transmission. Seven intelligence lenses and geopolitical pressure mapping provide structured evidence for sector calls and client reports.

Geopolitical Mapping

Intelligence Lenses

Risk Transmission

Platform Components

Bias & Market Sentiment

Per-asset bias distribution (bull/neutral/bear %) updated each session. Seven intelligence lenses — Breaking News, Macro, Geopolitical, Positioning, Demand/Supply, Government Signals, Wildcard — each scored and weighted.

Supply Chain Intelligence

50+ live nodes. 182 edges. Real-time disruption monitoring across Middle East, Europe/FSU, Americas, and Asia-Pacific chokepoints. Propagation chains surface second-order exposure across related assets.

Geopolitical Pressure Transmission

Sankey-format mapping of country → geopolitical force → commodity → pressure direction. Visualizes how sovereign events translate into physical market impacts before price reacts.

Forward Curve & Term Structure

Front-end vs fundamentals divergence analysis. Backwardation/contango detection with z-score displacement. Curve and Term Structure view integrates physical supply tightness against financial structure.

Cross-Asset Relationships

σ -scored relationship maps across Energy, Metals, Agriculture, Equities, and Crypto. Bundles view tracks constituent breadth, dispersion, and indexed performance over 1M/3M/6M/1Y windows.

Market Regime Engine

22-asset regime table spanning Energy, Metals, and Agriculture. Tracks active regime, macro and tactical bias, confidence level, situation maturity, and date first detected. Hedger, Sector Analyst, and Macro views.

Accuracy & Track Record

Energy asset class • Every call is logged, timestamped, and graded right or wrong.

65.4% Full-period accuracy since January 2026

Prediction Outcome Matrix

Circle area represents the number of scored bullish and bearish predictions.



Asset	All Signals	≥ 0.60 ★	Avg Move (Bullish ≥ 0.60)
Brent Crude	69.5%	83.9%	+3.60%
WTI Crude	65.9%	83.3%	+3.43%
RBOB Gasoline	69.9%	76.9%	+2.18%
Heating Oil	65.5%	72.7%	+4.20%
Natural Gas	56.2%	62.5%	+2.49%

Leadership



Dr. Amir Azar

Founder & CEO of AgentixEdge, an AI-native commodities trade signal intelligence platform.
Amir.Azar@AgentixEdge.ai



Energy Finance & Markets

15+ years across SMBC-Nikko, TD Securities, and KPMG; CFTC-registered CTA. NFA & FINRA Registered. Series 3, 79, 82, 63.



Artificial Neural Networks

Ph.D. in Engineering focused algorithmic forecasting using Artificial Neural Networks (ANNs).



Recognized Research

Research on shale oil and gas financing cited in a U.S. House Energy Subcommittee hearing record, the Wall Street Journal, and Federal Reserve research.

AI-native intelligence for interconnected commodity and macro markets

Dr. Amir Azar is the Founder & CEO of AgentixEdge, an AI-native trade signal intelligence platform built to connect the relationships between energy, metals, agriculture, and macro markets that conventional tools often evaluate in isolation. AgentixEdge continuously maps supply chain topology, detects regime shifts, and identifies directional signals across commodity futures.

He brings a rare combination of institutional energy finance experience and a doctorate in engineering, with research focused on quantitative data modeling and Artificial Neural Networks, the engine behind modern deep learning and AI. Over 15 years of institutional experience across SMBC-Nikko, TD Securities, and KPMG at the VP and AVP level gave him a front-row seat to how energy, credit, and macro markets behave under pressure.

His 2017 Columbia University Center on Global Energy Policy paper, *Reserve-Based Lending and the Outlook for Shale Oil and Gas Finance*, established him as a leading voice on energy market structure, cited in a U.S. House Energy Subcommittee hearing record, the Wall Street Journal, Federal Reserve research, and major industry studies. It remains one of the most referenced works on shale finance written outside of a bank or government agency.

AgentixEdge is where these disciplines converge. By combining institutional market intuition with AI-driven signal detection, it identifies cross-market dislocations in energy, metals, agriculture, and macro and translates that structure into actionable intelligence for traders and portfolio managers who need an edge, not more noise.

PLATFORM · CAPABILITIES

Live Market Pressure

Treemap visualization of global market pressure. Tile size reflects relative pressure magnitude; color signals direction. Instant situational awareness across all monitored assets in one view.

KEY METRICS

All Assets

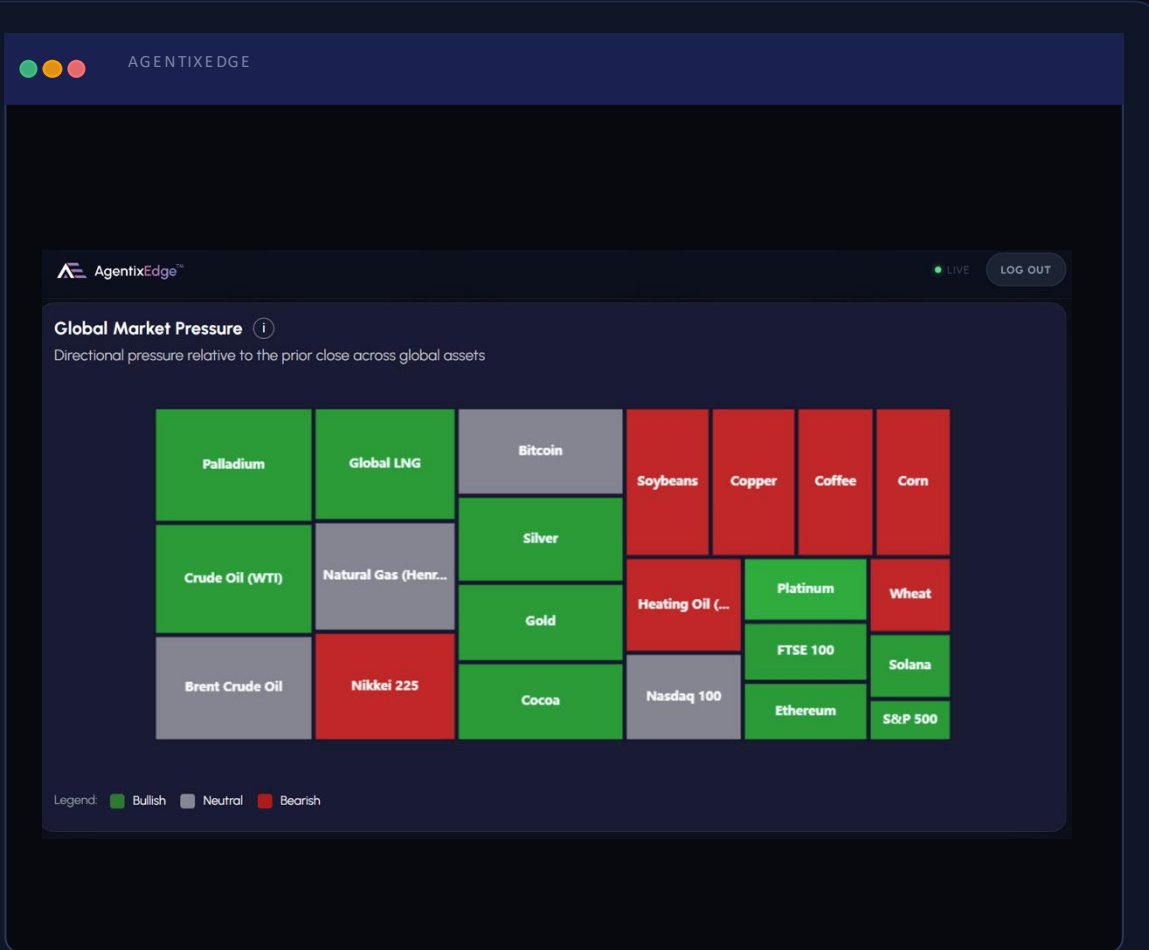
Full portfolio in one treemap view

Magnitude

Tile size = relative pressure weight

Instant

No drill-down needed for overview



Live Supply Chain Intelligence & Pressure Mapping

50+ live nodes across global commodity supply chains. 182 active network edges. Interactive world map displaying disruption severity, at-risk nodes, and active propagation chains in real time.

KEY METRICS

50+

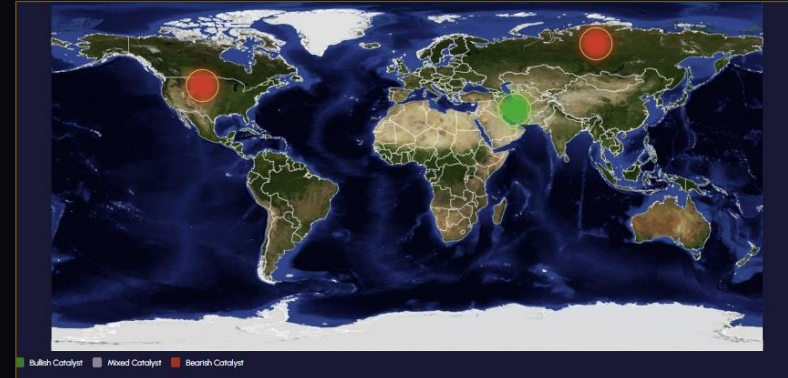
Live supply chain nodes monitored

182

Active network edges tracked

4

Global regions: ME, FSU, Americas, APAC



Asset Level Intelligence

Per-asset detail with four tabs: Charts, Map, Intelligence, and Quants. The Intelligence tab breaks down contribution by lens — Macro, Geopolitical, Positioning, Demand/Supply, and more.

KEY METRICS

4

Analysis tabs per asset detail page

7

Intelligence lenses weighted per signal

Session

Updated at every market session



Energy

Crude Oil (WTI)

View Insights

Brent Crude Oil

View Insights

Heating Oil (ULSD)

View Insights

Natural Gas (Henry ...)

View Insights

Global LNG

View Insights

Heating Oil (ULSD)

Updated: 2024-10-15 18:00 EDT

Bias Overview

SEARCH

Signal Strength: 54%

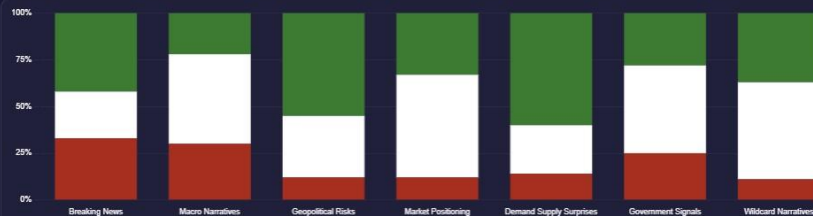
Bias Distribution



Charts Map Intelligence Quants

Market Intelligence Breakdown

Narrative intelligence contribution to the asset's current bias



Breaking News

The dominant near-term lightening impulse is the IEA weekly report showing a 2.5 million barrel distillate draw to 102.6 million barrels, 12% below the five-year average, alongside an 8.6 million barrel crude draw driven by hurricane production shut-ins. This confirms physical power tightness in OECD-level distillate balances and supports backwordation and crack strength. Reinforcing the bullish side, Ukraine resumed drone strikes on Russian refineries after a three-day pause, with a confirmed fire at the Ryzhany refinery, restoring direct risk to Russian distillate processing capacity. Offsetting this, the IEA agreed to accelerate release of over 20 million barrels of diesel from emergency strategic reserves, a confirmed bearish supply injection, though market reaction was muted because the figure fell short of the 50 million barrels discussed by France and the EU. Active Gulf Coast refinery turnarounds (OTI 200 Lake Charles CDU, PBF Chalmers color, possible ExxonMobil Beaumont hydrocracker) add further run-out pressure, but these are partially balanced by the IEA reserve release. Houthi/Israel-linked attacks on Saudi Aramco infrastructure and Strait of Hormuz tanker incidents continue to weigh on Middle East export flows, supporting Atlantic Basin diesel trade tightness. Net: the confirmed distillate draw and renewed Russian refinery strike risk provide a modest bullish tilt, but the IEA diesel release caps upside, leaving a three-way distribution with bullish slightly dominant.

Sources

- IEA: US crude oil inventories down 8.6 million bbl; distillate stocks fall 2.5 million bbl
- US crude stocks fall on hurricane production shut-ins; distillate inventories fall, IEA says
- IEA to speed up oil stocks release including over 20 million barrels of diesel
- IEA to Speed up Oil Stocks Release Including Over 20 Million Barrels

Intelligence Justification

Full-text signal justification published with every call: bias direction, price displacement, open interest dynamics, cross-asset contradictions, and the physical-to-price transmission mechanism.

KEY METRICS

Full

Thesis published with every signal call

Pre-set

Kill conditions defined before publication

Zero

Discretionary overrides permitted

Summary — Heating Oil (ULSD)

Justification

Bias is bearish (54%). The dominant driver is the confirmed EIA distillate draw of 2.5 million barrels to 102.6 million barrels — 12% below the five-year average — combined with renewed Ukrainian drone strikes on Russian refineries and a confirmed fire at the Ryazan facility, which together sustain physical tightness in Atlantic Basin diesel balances; however, despite these bullish supply-side catalysts, the extreme bearish price displacement of -2.44% versus prior close is the price-led signal that anchors the directional read. The transmission mechanism runs through long liquidation rather than fresh short conviction: open interest fell 28.71% alongside the price decline, suggesting the move reflects position unwinding rather than aggressive new bearish positioning, which tempers follow-through expectations at horizon end. The current displacement of -2.44% sits far outside the $\pm 0.450\%$ neutral noise band, making a Neutral finish implausible at this horizon — the move would need to fully retrace to within ± 0.0222 absolute, which the tape does not support. RBOB Gasoline confirms the bearish complex lean, also showing an extreme bearish displacement of 6.48x its neutral band, while Crude Oil (WTI) contradicts with a 2.62% gain, reflecting a split within the energy complex driven by divergent crack dynamics. The S&P 500 shows a modest bullish displacement at the edge of its neutral band, providing a mildly risk-on macro backdrop that does not materially alter the bearish ULS.

Key Market Drivers

- Extreme bearish displacement at 5.42x neutral band
- Open interest down 28.71%, signaling long liquidation
- Very low realized volatility despite extreme price move
- Refinery outages lifting product cracks
- Diesel cracks at 2022 highs

Close

Geopolitical Transmission

Sankey diagram mapping country-level events through transmission forces to affected commodities. Visualizes how sanctions, strikes, and export bans translate into directional market pressure.

KEY METRICS

Country

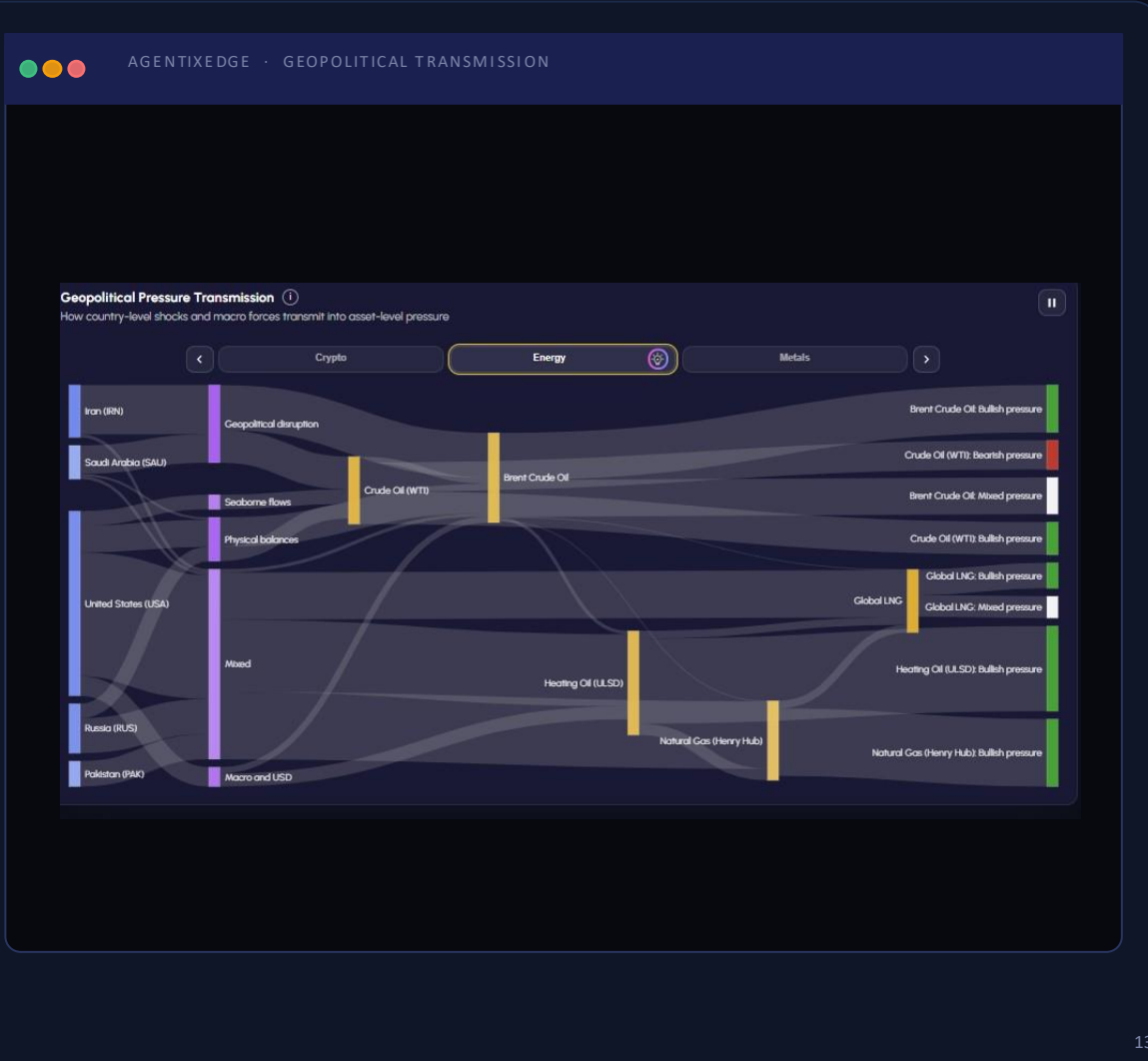
To asset transmission chain mapped

Real-Time

Sovereign events tracked live each session

Bull / Bear

Directional pressure shown per commodity



Bundles Analytics

Each asset class analyzed as a cohesive group — standardized moves, market participation breadth, constituent dispersion, and indexed performance

KEY METRICS

5

Market bundles tracked as groups

4

Performance windows: 1M / 3M / 6M / 1Y

σ

Standardized moves per constituent



Cross-Asset View

σ -scored relationship maps across Energy, Metals, Agriculture, Equities, and Crypto. Identifies when cross-asset signals confirm or contradict commodity-specific reads — a key signal gate filter.

KEY METRICS

σ -Scored

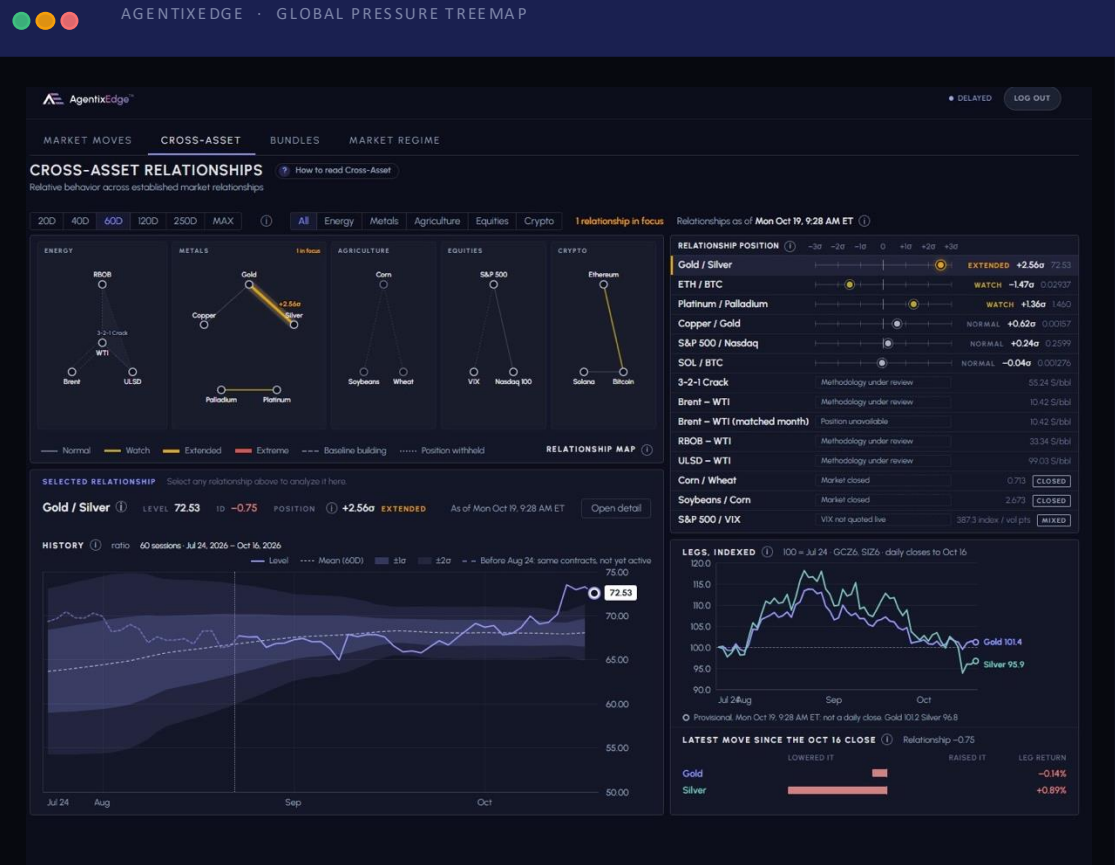
Statistical significance per relationship

5

Asset classes in the relationship scan

Session

All pairs scanned every session



Market Regime Table

Cross-asset regime table covering 22 markets. Tracks active regime, macro and tactical bias, confidence, maturity, and first-detected date — across Energy, Metals, and Agriculture.

KEY METRICS

22

Markets covered in the regime table

8

Regime metrics tracked per asset

3

Sectors: Energy, Metals, Agriculture



LOG OUT

MARKET REGIME

LATEST ASSESSMENT Oct 19, 10:05 AM ET

Current market behavior at each cutoff (v2), assessed every two hours, 4:05 AM–4:05 PM ET on weekdays, daily-daily markets once a weekday at 4:05 AM ET

Search asset, regime or status

22 assets

ASSET	ACTIVE REGIME ①	CONFIDENCE ①	SITUATION ①	MATURITY	FIRST DETECTED ①	LAST ASSESSED	STATUS ①
ENERGY 6							
WTI	Bullish Momentum	57	New behavior dominant	Developing	Oct 18, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Brent	Bullish Momentum	72	Counter-move within prior	Established	Oct 2, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
RBOB	Range Bound	62	New behavior dominant	Developing	Oct 6, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
ULSD	Range Bound	68	Continuation	Established	Oct 15, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Natural Gas	Range Bound	55	Continuation	Developing	Oct 19, 4:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
METALS 5							
Gold	—	—	—	—	—	Oct 19, 10:05 AM ET	FAILED
Silver	Bearish Momentum	55	Counter-move within prior	Weakening	Oct 15, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Copper	Range Bound	60	Continuation	Established	Oct 8, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Platinum	—	—	—	—	—	Oct 19, 10:05 AM ET	NO DATA
Palladium	—	—	—	—	—	Oct 19, 10:05 AM ET	NO DATA
AGRICULTURE 5							
Corn	Bearish Momentum	72	Continuation	Established	Oct 12, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Wheat	Bearish Momentum	74	Continuation	Established	Oct 2, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Soybeans	Bearish Momentum	68	New behavior dominant	Developing	Oct 16, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Coffee	Bullish Momentum	45	New behavior dominant	Developing	Oct 19, 6:05 AM ET	Oct 19, 6:05 AM ET	CURRENT
Cocoa	Range Bound	55	New behavior dominant	Developing	Oct 8, 6:05 AM ET	Oct 19, 6:05 AM ET	CURRENT
EQUITIES 4							
S&P 500	Transitional / Mixed	55	Contested reversal	Not applicable	Oct 19, 4:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Nasdaq 100	Bearish Momentum	62	Counter-move within prior	Developing	Oct 15, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
Nikkei 225	Bearish Momentum	62	Counter-move within prior	Developing	Oct 15, 6:05 AM ET	Oct 19, 10:05 AM ET	CURRENT
FTSE 100	Bullish Momentum	50	New behavior dominant	Emerging	Oct 16, 6:05 AM ET	Oct 19, 6:05 AM ET	CURRENT
CRYPTO 3							
Bitcoin	Range Bound	42	New behavior dominant	Developing	Oct 13, 6:05 AM ET	Oct 19, 6:05 AM ET	CURRENT
Ethereum	Bearish Momentum	45	New behavior dominant	Developing	Oct 15, 6:05 AM ET	Oct 19, 6:05 AM ET	CURRENT
Solana	Bearish Momentum	50	New behavior dominant	Developing	Oct 14, 6:05 AM ET	Oct 19, 6:05 AM ET	CURRENT

Select View/Persona

Eight role-based entry points each surfacing the signals, regime reads, and intelligence most relevant to that desk function.


AGENTIXEDGE · SELECT VIEW

VIEW 1

Daily Brief

What's happening in the markets today, in plain English

MIXED regime across 8 bundles. U.S. macro sentiment and trading flows are driving energy prices up and down, while supply risks from Iran and Russia take a back seat. Top drivers — Hormuz Closure Risk Premium, Hormuz Blockade Tightens Supply

OPEN VIEW +

VIEW 2

Hedger

How durable is today's regime, what tenor does that imply for the back, and what would invalidate the thesis?

CRITICAL regime: supply risk ELEVATED, escalation triggers Black Sea wheat corridor effectively severed, +4-6 Mth/month removed from global trade as cocoa and coffee chains fracture simultaneously

OPEN VIEW +

VIEW 3

Country Risk

Which countries are pressuring the bundle, through what mechanisms, and what's the resolution path?

Split agriculture: bullish weather in softs, bearish demand and positioning in grains

MIXED pressure: DISTRIBUTED regime — Brazil driving 34% of pressure

OPEN VIEW +

VIEW 4

Curve and Term Structure

Where is the front signaling against the fundamentals — and where is the curve about to catch up?

TIGHT (cont 74%) cross-bundle: Hormuz-driven energy backwardation dominates the cross-bundle tape while agricultural carry structures mask fracturing physical supply chains — the spread between these two regimes is the trade. Top shifts: Cocos front spread collapsed 56 points in a single session as Abqaiq and San Pedro port congestion created acute near-term delivery bottlenecks even as West African output rebounds. Coffee's (direction_downward) reflects a narrowing of backwardation by 410 as long liquidation and a softer dollar cuts Brazilian export sales, reducing the near-term tightness signal. 16 assets recorded. 8 relative trades on back

OPEN VIEW +

VIEW 5

Physical Desk

Which shipping routes and supply hubs are disrupted today?

Supply chain at 14 active disruptions led by Minneapolis Spring Wheat — 12 reroutes in flight

OPEN VIEW +

VIEW 6

Sector Analyst

Which named companies benefit or suffer from today's regime, and where is near-term price action conflicting with the structural thesis?

Sector tape at ELEVATED supply risk. Macro BULLISH tactical BULLISH 12 active disruptions led by Ghawar / Saudi Arabia, Hormuz-Qatar dual closure severs — H mild crude + HX global LNG, USDO at 1990 record low

OPEN VIEW +

VIEW 7

Macro & Futures

Where do today's signals point on each market?

BULLISH regime across 23 assets. Crypto and metals are bid while agriculture craters — a fragmented tape with no clear macro anchor

OPEN VIEW +

VIEW 8

Strategy Desk

What are this week's strongest trades and how is the book performing?

0 new picks across 0 bundles today. 20 open positions: +1.0% unrealized. 180 closed today

OPEN VIEW +