

MCP SERVER

NO CODE

CLOUD HOSTED

# Commodity Insights MCP

Track Every Global Commodity Price Benchmark.

S&P Global Commodity Insights provides access to over 12,000 daily price assessments across global commodities. Track everything from WTI crude oil and natural gas benchmarks (Henry Hub, TTF) to power prices in PJM/ERCOT, agricultural goods like corn and wheat, and metals such as copper and gold. This MCP is the market intelligence source for energy traders, risk managers, and commodity analysts.

**A+** Quality Score 100/100

commodity-pricing

market-intelligence

benchmarks

trading-data

energy-markets

financial-data



# The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

# Your AI Connections Run Through Vinkius Cloud

The world's largest  
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

*The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.*

— Architecture principle

---

## Four Pillars of the Vinkius Runtime

### 01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

### 03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

### 02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

### 04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

**AES-256**

Encryption at rest

**Ed25519**

PKI vault signatures

**24h TTL**

Ephemeral session keys

**V8 Isolate**

Sandboxed execution

---

## One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

---

## Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

### 01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

### 02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

### 03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

### 05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

### 04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

### 06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

## Emergency Kill Switch

EU AI Act Art. 14(1)  
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

#### 01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

#### 02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

#### 03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

## Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

**Control Plane**

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

**FinOps**

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

**Firewall & DLP**

PII redaction activity, sensitive data protection counters, and security event timeline.

**Agent Activity**

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

**Tool Health**

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

**Incident Log**

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at [cloud.vinkius.com](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# S&P Global Commodity Insights MCP

12 tools available  
Cloud-hosted on Vinkius

This connector brings professional-grade global commodity data directly into your AI client. You can access world-class price assessments from Platts, tracking everything needed to understand current market dynamics—from crude oil grades like Brent and WTI to regional electric power benchmarks in Europe or the US. It lets you monitor complex feedstock prices for petrochemicals, track base metals (copper, aluminum), or analyze agricultural yields across major crops. You can even fetch historical data spanning years, which is critical for backtesting trading strategies. Connecting this MCP via Vinkius gives your agent immediate access to an industry-standard library of benchmarks and market methodologies. Your AI client becomes a comprehensive commodity analyst, letting you track input costs, model price spreads, and make truly data-driven decisions without leaving your chat window.

---

## Core Capabilities

### 01 — Get current global prices

Retrieve the latest daily assessments for specific commodities like crude oil, natural gas hubs, or power markets.

### 03 — Analyze historical trends

Fetch time-series data for any specified commodity over custom date ranges (weekly, monthly, or daily).

### 05 — Track energy transition markets

Access data on carbon credits, battery metals (lithium, cobalt), and renewable energy certificates.

### 02 — Monitor commodity categories

Browse and understand all available price assessment types, including refined products, metals, and energy transition assets.

### 04 — Investigate market methodologies

Retrieve the official calculation rules and specifications used by S&P Global Platts for specific benchmarks.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/sp-global-commodity-insights](https://vinkius.com/mcp/sp-global-commodity-insights) — connect your AI agent in three steps.

- 01 Subscribe to the MCP using your Vinkius account.
- 02 Input your S&P Global Commodity Insights API key into your AI client's settings.
- 03 Ask your agent a question, like 'What was the price of copper last quarter?' and let it execute the relevant tool call.

The bottom line is you get immediate access to institutional-grade commodity pricing data inside any compatible AI agent.

---

## Built For

Energy traders, procurement managers, and financial analysts use this MCP when they need instant market intelligence that requires multiple data sources. They struggle with manually pulling price sheets from different providers for every commodity type.

### Commodity Trader

Determines immediate arbitrage opportunities by comparing real-time prices across various energy hubs, like the spread between WTI and Brent crude.

### Supply Chain Manager

Optimizes purchasing timing by tracking input costs for feedstocks—such as ethylene or diesel—to forecast inventory needs accurately.

### Sustainability Analyst

Compares the cost movements of carbon credits (EUA) against alternative energy sources like green hydrogen to build ESG reports.

---

## What Changes When You Connect

- 01 Instant Market Comparison: You can instantly compare prices across different physical assets. For example, ask for the current assessment of both WTI crude oil and regional natural gas hubs in a single query.

- 
- 02 Deep Historical Analysis: Forget relying on limited spreadsheet data. Use `get_historical_commodity_prices` to pull price trends for any commodity over months or years, perfect for backtesting models.

---

  - 03 Full Supply Chain Visibility: Track input costs across multiple sectors—from petrochemical feedstocks (ethylene) to refined products (diesel)—to model total project expenses accurately.

---

  - 04 Energy Transition Reporting: Quickly gather necessary data points like EUA carbon credit prices and lithium assessments needed for comprehensive ESG compliance reporting.

---

  - 05 Methodology Clarity: When a client asks about pricing, use `get_assessment_methodology` to provide the precise, industry-standard calculation rules behind any benchmark.
- 

---

## Real-World Applications

### Analyzing Oil Market Spreads

A trader needs to know if there's an arbitrage opportunity. They ask their agent for a comparison between the current WTI crude oil price and the regional power prices in the US, instantly getting both sets of data.

### Due Diligence on Investments

An investment professional needs to assess a company's energy exposure. They request both historical natural gas price data and current EUA carbon credit assessments for their due diligence report.

### Forecasting Fertilizer Costs

A farm supplier is budgeting for next season's inputs. They use `get_agriculture_prices` to check current wheat and corn assessments, then cross-reference it with the fertilizer prices using `get_refined_products_prices`.

---

# Patterns to Avoid

---

## Treating commodities in isolation

### X AVOID

Asking separately: 'What is the corn price?' then 'What is the gasoline price?'. This creates fragmented data that requires manual comparison.

### ✓ INSTEAD

Group related queries. Ask your agent to compare current agricultural prices (`get_agriculture_prices`) against refined product costs (`get_refined_products_prices`). The MCP handles the cross-comparison automatically.

---

## Relying on outdated data sources

### X AVOID

Using an old spreadsheet or a limited public API that doesn't cover regional variations, like missing Asian power markets.

### ✓ INSTEAD

Use `get_power_prices` and `get_crude_oil_prices`. These tools provide coverage for specific regions (e.g., PJM, ERCOT) and grades worldwide.

---

## Confusing price with methodology

### X AVOID

Assuming a simple query about a commodity gives the full market context or calculation rules.

### ✓ INSTEAD

If you need to know *how* the price is determined, do not just ask for the price. Use `get_assessment_methodology` first, citing the specific assessment code.

---

## The Right Fit

Use this MCP if your job requires tracking commodity pricing across diverse sectors—energy, agriculture, metals, or chemicals. You need a single source of truth that covers WTI crude oil, natural gas hubs (Henry Hub/TTF), and power markets simultaneously. This is ideal for risk management and high-level financial modeling.

Do NOT use this if you only need simple stock quotes or generalized economic indicators. For general market news or basic macroeconomics, a standard search engine is fine. If your problem is limited to *only* one type of commodity (e.g., just copper prices), then while this MCP works, it's overkill. Stick with this when the complexity and cross-sectoral nature of the data are key.

---

## Today, getting a full view of global input costs is an exercise in copy-pasting.

You start by checking oil prices on one dashboard. Then you have to jump over to a separate tab for natural gas benchmarks. Next, you open a third source just to pull the latest copper assessment. You spend time manually cross-referencing these disparate sheets—checking if the price spread between different commodities makes sense.

With this MCP, your agent does all that work in one go. You simply ask: 'Compare the current energy input costs for running a manufacturing plant.' The system pulls together data from multiple tools, including `get_crude_oil_prices` and `get_petrochemicals_prices`, and gives you a single, consolidated answer.

---

## S&P Global Commodity Insights delivers full commodity lifecycle pricing.

No more juggling separate tools for different timeframes or asset classes. You can combine historical trend analysis using `get_historical_commodity_prices` with current data from `get_metals_prices`, all in one conversation flow.

The difference is that you stop analyzing isolated price points and start modeling the entire market lifecycle—from extraction to finished product—with unparalleled depth.

---

# S&P Global Commodity Insights: 12 Tools

These twelve tools allow you to query specific market data points, from commodity price assessments to detailed historical records and calculation methodologies.

#	TOOL	DESCRIPTION
01	<code>get_agriculture_prices</code>	Gets current and historical price assessments for key crops, including wheat, corn, soybeans, and fertilizers.
02	<code>get_assessment_methodology</code>	Retrieves the official rules and specifications on how a specific commodity price benchmark is calculated.
03	<code>list_commodity_categories</code>	Lists every major category of commodities covered by S&P Global Platts, helping you explore available benchmarks.
04	<code>get_coal_prices</code>	Provides price assessments for various coal types and regional benchmarks, like Newcastle and API2.
05	<code>get_crude_oil_prices</code>	Delivers spot and forward pricing for major crude grades globally, including WTI and Brent.
06	<code>get_energy_transition_data</code>	Accesses market data on carbon credits (EUA), battery metals, and renewable energy certificates.
07	<code>get_historical_commodity_prices</code>	Fetches detailed price history for any commodity over a user-defined period with flexible frequency options.
08	<code>get_metals_prices</code>	Provides current and historical pricing assessments for base metals like copper, aluminum, and precious metals like gold.
09	<code>get_natural_gas_prices</code>	Tracks gas prices from major global hubs such as Henry Hub and TTF across different regions.
10	<code>get_petrochemicals_prices</code>	Gathers pricing assessments for chemical feedstocks, including ethylene, propylene, and benzene.
11	<code>get_power_prices</code>	Queries wholesale electricity prices from major regional power grids in North America and Europe (PJM, ERCOT).
12	<code>get_refined_products_prices</code>	Tracks the costs of refined petroleum products like diesel, gasoline, and jet fuel globally.

---

## See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

### U What is the current WTI crude oil price?



Fetching latest WTI Cushing crude assessment... Current WTI is assessed at \$78.45/bbl for today's session. The benchmark has been relatively stable this week, trading in a \$77-79/bbl range. Market participants are monitoring OPEC+ production decisions and US inventory levels.

### U Show me natural gas prices at Henry Hub and TTF for today.



Retrieving gas hub assessments... Henry Hub (US) is currently assessed at \$2.85/MMBtu, while TTF (Netherlands) is trading at €28.50/MWh (approximately \$8.90/MMBtu). The spread between US and European gas remains elevated due to strong Asian LNG demand and European storage dynamics.

### U What are current carbon credit prices (EUA)?



Fetching EU Allowance (EUA) carbon credit assessment... Current EUA price is €68.50/tonne CO<sub>2</sub>. Carbon prices have been volatile this month, ranging between €65-72/tonne as markets digest EU energy policy updates and industrial demand forecasts. The UK ETS is trading at a slight discount at £45.20/tonne.

---

# Frequently Asked Questions

---

## 01 What commodity types and benchmarks are covered?

The API covers over 12,000 daily price assessments across: Crude Oil (WTI, Brent, Dubai, Mars, WCS + hundreds of grades), Natural Gas (Henry Hub, TTF, NBP, JKM), Electric Power (PJM, ERCOT, CAISO, European markets), Coal (Newcastle, API2, API4), Refined Products (gasoline, diesel, jet fuel), Petrochemicals (ethylene, propylene, benzene), Metals (copper, aluminum, gold, steel), Agriculture (wheat, corn, soybeans, fertilizers), and Energy Transition (carbon credits, battery metals, RECs).

---

## 02 How do I get an S&P Global Commodity Insights API key?

API access requires an active S&P Global Commodity Insights subscription. Contact your S&P Global account manager or visit <https://www.spglobal.com/commodityinsights> to discuss licensing options. Once licensed, you'll receive API credentials through your SSO (Single Sign-On) account. The authentication uses Bearer tokens generated via the `/auth/api` endpoint with your SSO email and password.

---

## 03 Are the prices real-time or delayed?

S&P Global Platts price assessments are published daily based on market activity. Most assessments reflect same-day or next-day values depending on the commodity and market. Some benchmarks (especially power markets) may have intra-day updates. Historical data is available for backtesting and trend analysis with flexible date range queries. The exact publication timing varies by commodity — crude oil and gas benchmarks are typically available by end of trading day.

---

## 04 Can I query historical prices for trend analysis?

Yes! Use the `get_historical_commodity_prices` tool with a specific commodity identifier, start date, and optional end date. You can query daily, weekly, or monthly aggregated data. For example, to get WTI crude prices for the last 30 days, use `commodity='crude-oil', start_date='2026-03-08'`. The API provides extensive historical data suitable for backtesting, trend analysis, and market research.







---

# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://cloud.vinkius.com), then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
 <b>Claude AI</b>	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 <b>Cursor</b>	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 <b>VS Code</b>	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"sp-global-commodity-insights": { "url": "..." }</code>
 <b>Windsurf</b>	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 <b>ChatGPT</b>	Settings → Tools & plugins → Add MCP server → Paste endpoint
 <b>Gemini</b>	Extensions → Add MCP Server → Paste endpoint URL

## ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  **Ask ChatGPT** 
-  **Ask Claude** 
-  **Ask Perplexity** 
-  **Ask Gemini** 
-  **Ask Grok** 

READY TO CONNECT

# S&P Global Commodity Insights is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and  
start building. No SDK. No deployment. Just results.

[Start at cloud.vinkius.com](https://cloud.vinkius.com) →

[vinkius.com](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

### INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by S&P Global Commodity Insights. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

### DOCUMENT INFORMATION

Generated	June 2026
MCP Server	S&P Global Commodity Insights MCP
Server ID	019d760b-46e2-7146-9aff-01b252c50e30
Platform	Vinkius Cloud for AI Agents
Endpoint	<a href="https://edge.vinkius.com/{token}/mcp">https://edge.vinkius.com/{token}/mcp</a>

### LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit [vinkius.com/mcp/sp-global-commodity-insights](https://vinkius.com/mcp/sp-global-commodity-insights).