

MCP SERVER

NO CODE

CLOUD HOSTED

Amsterdam Parking and Traffic Zones MCP

Navigate Amsterdam's complex driving and parking rules with your agent.

Amsterdam Parking & Traffic Zones MCP provides direct access to the City of Amsterdam's official open-data platform. Your AI client can query specific parking zones, individual bays, emission restrictions, and zero-emission zones without needing an API key. It's a single connection to the city's spatial data for logistics, fleet management, and urban planning.

A+ Quality Score 100/100

amsterdam

parking

traffic-zones

emission-zones

zero-emission

open-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 — connect your AI agent in under 60 seconds.

Amsterdam Parking & Traffic Zones MCP

6 tools available

Cloud-hosted on Vinkius

You can stop manually digging through city portals to find out where a delivery van can actually park. This MCP pulls directly from the Amsterdam DSO open-data platform to give your agent the exact spatial data it needs. Whether you are checking if a specific street has a parking bay or if a vehicle class is barred from a zero-emission zone, the data is ready. You can map out parking polygons, identify specific zone exceptions, and locate designated touring car stops. It turns complex municipal datasets into actionable information your AI client can use to plan routes or verify compliance in real time.

Core Capabilities

01 — Zone Identification

Your agent identifies which parking or emission zone applies to a specific location.

02 — Vehicle Compliance Checks

The AI checks if a specific vehicle class is allowed in a restricted zone.

03 — Spatial Data Retrieval

Your client pulls polygon and point geometry directly from the city's data platform.

04 — Parking Bay Mapping

The agent locates individual parking spots and their fiscal categories.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/amsterdam-parking-traffic-zones — connect your AI agent in three steps.

- 01 Subscribe to the MCP on the Vinkius marketplace.
- 02 Connect your client like Claude or Cursor with one click.
- 03 Ask your agent a question about Amsterdam parking or zones.
- 04 The agent calls the necessary tool to pull data from the city platform.
- 05 You receive specific, actionable data in your chat interface.

Connecting to this MCP gives your AI client immediate access to Amsterdam's traffic data.

Built For

This MCP is built for professionals managing movement within Amsterdam's urban core.

Logistics Operators

They use the agent to plan routes that avoid restricted emission zones.

Fleet Managers

They verify zone rules for specific delivery addresses to avoid fines.

Mobility Analysts

They query spatial data to study parking availability and traffic patterns.

What Changes When You Connect

- 01 Eliminates the need for manual API key management.
- 02 Provides direct access to official Amsterdam DSO open data.

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- | | |
|-----------|--|
| 03 | Removes the friction of searching through municipal web portals. |
|-----------|--|
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- | | |
|-----------|---|
| 04 | Enables automated compliance checks for vehicle restrictions. |
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Real-World Applications

Route Planning

An agent calculates a delivery path that stays outside of heavy vehicle emission zones.

Parking Verification

A driver checks if a specific street has a valid parking bay before arriving.

Compliance Auditing

A fleet manager confirms that all vehicles in a zone meet the zero-emission requirements.

Transit Coordination

A planner identifies the nearest touring car stops for a scheduled coach arrival.

Patterns to Avoid

Guessing zone boundaries

❌ AVOID

You ask your agent to guess if a delivery van can enter a specific neighborhood based on general knowledge.

✓ INSTEAD

Use `list_zero_emission_zones` to get the exact spatial boundaries for restricted areas.

Ignoring vehicle class rules

❌ AVOID

You assume a van can park anywhere in the city center without checking emission requirements.

✓ INSTEAD

Check `list_milieu_zones` to see exactly which vehicle classes face restrictions in specific areas.

Missing specific parking details

❌ AVOID

A driver arrives at a location only to find out the spot is for residents only.

✓ INSTEAD

Use `list_parking_bays` to identify if a spot is fiscal or non-fiscal before the vehicle arrives.

The Right Fit

Logistics companies and fleet managers operating in Amsterdam should connect this MCP. If your operations are strictly outside the city limits or don't involve vehicle compliance, you don't need it. The deciding factor is whether you need real-time, official municipal data to avoid fines and routing errors.

Amsterdam Parking and Traffic Zone Tools

These tools provide direct access to Amsterdam's DSO open data. Your agent can query specific zone boundaries, vehicle restrictions, and parking bay locations.

#	TOOL	DESCRIPTION
01	list_parking_zones	This tool lists all Amsterdam parking zones as polygons. Use it to determine which specific zone a coordinate or address falls under.
02	list_parking_zone_exceptions	This tool retrieves specific exceptions within parking zones. It provides details on validity dates and usage goals for exempted spots.
03	list_parking_bays	This tool identifies individual parking bays. It returns street names, neighborhood info, and whether a bay is fiscal or non-fiscal.
04	list_milieu_zones	This tool lists emission zones by vehicle class. It shows where mopeds, taxis, vans, or trucks face restrictions.
05	list_zero_emission_zones	This tool provides the boundaries for zero-emission zones. Use it to find areas restricted to zero-emission delivery vehicles.
06	list_touring_car_stops	This tool finds designated touring car and coach stops. It provides the stop name and point geometry for each location.

See It in Action

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

Which parking zones exist in the West part of Amsterdam?



The West 6 zone and other West-area zones are available. Your agent can match your specific address against these MultiPolygon geometries to find the exact rules.

Where is the zero-emission zone for delivery trucks?



The vracht_en_bestelauto zero-emission zone is defined by specific polygons. These areas restrict access to only zero-emission delivery trucks and vans.

List the touring car stops in the city centre.



Designated stops include H7: Spui at Nieuwezijds Voorburgwal 355. The data includes the stop count and point geometry for each location.

Frequently Asked Questions

01 Do I need an API key for this data?

No. This MCP uses the city's open-data platform, so no individual API key is required.

02 How is the data sourced?

All data comes directly from the official City of Amsterdam DSO open-data platform.

03 Which AI clients can use this?

Any MCP-compatible client like Claude, Cursor, or Windsurf can use this once connected via Vinkius.

04 Can I check specific vehicle restrictions?

Yes. The milieu zones tool allows you to check restrictions for vans, mopeds, taxis, buses, and trucks.

05 Does this include zero-emission zones?

Yes. The MCP includes tools to list both emission zones and zero-emission zones.

06 Do I need an API key?

No. The parkeerzones, parkeervakken, milieuzones, uitstootvrije_zones and touringcars services of the city's DSO open-data platform are public (OPENBAAR) and work without credentials.

07 What are the coordinates in?

All geometries are in EPSG:28999 (RD New, the Dutch national coordinate system, metres). Convert to WGS84 latitude/longitude before plotting on most world maps.

08 Can I check whether my street has public parking bays?

Yes. list_parking_bays filters by street name (straatnaam) or neighbourhood code (buurtcode) and returns each bay's type (e.g. Langs = parallel parking), fiscal/non-fiscal category and count.

09 What vehicle classes does the emission zone tool cover?

list_milieu_zones covers bestelbus (light delivery vans), bromensnorfiets (mopeds), taxi, touringcar (tour buses) and vrachtauto (trucks). list_zero_emission_zones covers vracht_en_bestelauto (delivery trucks/vans) and brom_en_snorfiets (mopeds/scooters).

Go Live in 60 Seconds

Get your connection token from 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
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"amsterdam-parking-traffic-zones": { "url": "..."} </code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	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

Amsterdam Parking & Traffic Zones 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 →

vinkius.com · support@vinkius.com

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DOCUMENT INFORMATION

Generated	September 2026
MCP Server	Amsterdam Parking & Traffic Zones MCP
Server ID	01a0d9c8-a44d-7399-af03-27ce2dc4b3e6
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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