

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Electrical Visit Preparation Plan MCP

Get your electrical repairs organized and ready for professional technicians.

Electrical Visit Preparation Plan MCP handles the heavy lifting for electrical repair logistics. It turns your raw observations of electrical issues into structured service requests, creates clear access plans for technicians, and builds safety checklists to ensure you gather the right information before a professional arrives.

A+ Quality Score 100/100

electrical

safety

service-request

home-repair

logistics



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.

Electrical Visit Preparation Plan MCP

5 tools available

Cloud-hosted on Vinkius

You shouldn't have to guess what an electrician needs to see or how they'll get to your breaker panel. This MCP takes your descriptions of electrical problems and turns them into professional documentation. Instead of sending a vague message about a flickering light, you'll provide a structured service request that tells a licensed professional exactly what's happening.

It also manages the logistics of the visit. If your electrical panel is buried behind storage in a garage, the MCP helps you build an access plan so the technician isn't wasting time moving boxes when they arrive. You can also use it to stay safe; it generates specific checklists of things to look for, like unusual smells or sounds, without you ever having to touch a potentially dangerous component. Once the work is done, it provides quality control questions to make sure the job was actually completed to standard. It's about moving from a messy observation to a coordinated, professional repair plan.

Core Capabilities

01 — Service Request Generation

Your agent creates professional summaries of electrical issues for licensed pros.

02 — Logistical Planning

Your agent builds access plans to ensure technicians can reach electrical hardware.

03 — Safety Checklists

Your agent provides observation guides to help you gather evidence safely.

04 — Provider Matching

Your agent selects the most appropriate professional from your available options.

05 — Quality Control

Your agent generates verification questions to confirm work was done correctly.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/electrical-visit-preparation-plan — connect your AI agent in three steps.

- 01 Connect your MCP-compatible client to the Vinkius platform.
- 02 Describe the electrical issue or observation to your AI agent.
- 03 The agent uses the MCP tools to generate requests, access plans, or checklists.
- 04 Use the generated documents to coordinate with your chosen electrical provider.

Connect your client to Vinkius and start turning electrical observations into actionable plans.

Built For

This MCP is built for anyone managing property or home repairs who needs to coordinate with electrical professionals.

Property Managers

Hand off raw tenant reports to the AI to create professional work orders.

Homeowners

Use the AI to prepare for service visits and ensure technicians have access.

Facility Coordinators

Convert site observations into structured requests for maintenance teams.

What Changes When You Connect

- 01 Reduces technician downtime by planning access to hardware in advance.
- 02 Standardizes electrical issue reporting for better professional responses.

-
- | | |
|-----------|--|
| 03 | Improves safety by providing non-contact observation checklists. |
| <hr/> | |
| 04 | Ensures work quality through post-repair verification questions. |
-

Real-World Applications

Clearing Access Paths

The AI tells you to move boxes in the garage so the electrician can reach the breaker panel.

Gathering Evidence

The AI provides a list of smells or sounds to check for before a technician arrives.

Professional Work Orders

The AI turns a quick note about a flickering light into a formal request for a pro.

Post-Repair Inspection

The AI gives you questions to ask the electrician to confirm the repair is solid.

Patterns to Avoid

Vague issue reporting

❌ AVOID

You tell the electrician that something feels wrong with the power in the kitchen. This leaves the pro guessing what to bring.

✓ INSTEAD

Use ``get_service_request`` to turn your notes into a professional summary that a licensed electrician can actually use.

Ignoring physical access

❌ AVOID

You schedule a repair but forget that the breaker panel is blocked by heavy shelving in the basement. The technician arrives and can't start work.

✓ INSTEAD

Run ``generate_access_plan`` first to ensure the path to the hardware is clear before the pro gets on site.

Skipping the final check

❌ AVOID

The technician says the job is done and you just let them leave without verifying the fix. You find out later the flickering hasn't stopped.

✓ INSTEAD

Use ``get_completion_verification`` to get a specific set of quality control questions to ask before the work is signed off.

The Right Fit

Property managers and homeowners who coordinate professional repairs should connect this MCP. People who don't deal with physical maintenance or electrical troubleshooting won't find a use for it. The deciding factor is whether you need to turn raw observations into actionable work orders for technicians.

Electrical Visit Preparation Plan MCP Tools

These tools turn messy electrical observations into structured service requests and logistical plans. They handle everything from initial evidence gathering to final quality checks.

#	TOOL	DESCRIPTION
01	compile_evidence_checklist	This tool generates a specific list of things you should observe or gather to help the technician diagnose the issue.
02	generate_access_plan	Use this to create a logistical guide that ensures the technician can actually reach the hardware they need to fix.
03	get_completion_verification	This tool produces a set of quality control questions to ask once the electrical work is finished.
04	get_service_request	This tool builds a professional summary of the electrical issue specifically for a licensed electrician.
05	select_provider	This tool identifies the best matching professional from your list of available service providers.

See It in Action

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

U I have a flickering light in the kitchen and the living room. The panel is in the basement and it is unlocked.



I can help you prepare for this. I will generate a professional service request for the flickering lights in the kitchen and living room, and create an access plan for your basement panel.

U The circuit breaker keeps tripping in the garage. The panel is behind some heavy boxes.



I will generate a service request for the garage circuit issue and an access plan that instructs you to clear the boxes so the technician can reach the panel.

U What should I look for to help the electrician with my outlet issue?



I will provide an evidence checklist. Please observe if there are any unusual smells, sounds, or visible discoloration around the outlet, but do not touch the device.

Frequently Asked Questions

01 How do I use this MCP with my AI client?

You connect your client, such as Claude or Cursor, to Vinkius once. After that, the tools are immediately available for your agent to use during your conversations.

02 Can this MCP help me find an electrician?

Yes, the `select_provider` tool helps you identify the best matching professional from your available options.

03 Does this MCP provide safety instructions?

It provides an evidence checklist that tells you what to observe, such as smells or sounds, while explicitly advising you not to touch dangerous components.

04 What kind of output does the service request tool provide?

It generates a professional summary of the electrical problem designed specifically for a licensed electrician to read.

05 How does it help with logistical issues?

The `generate_access_plan` tool creates a guide to ensure the technician can actually reach the necessary electrical hardware when they arrive.

06 Can I use this to diagnose my own electrical issues?

No. This tool follows a strict No-DIY safety boundary. It is designed only to help you prepare information for a licensed professional.

07 How does ``get_service_request`` help me?

It converts your description of the problem and affected rooms into a professional summary that a licensed electrician can use for accurate quoting.

08 What is an access plan?

The ``generate_access_plan`` tool creates a guide to ensure the technician can reach your electrical panel and work safely without unnecessary interruptions.

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>"electrical-visit-preparation-plan": { "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

Electrical Visit Preparation Plan 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by Electrical Visit Preparation Plan. 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	September 2026
MCP Server	Electrical Visit Preparation Plan MCP
Server ID	01a0dfa0-b2ca-718d-9b23-e9446cd6f5f7
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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/en/ai-agent-connect/electrical-visit-preparation-plan.