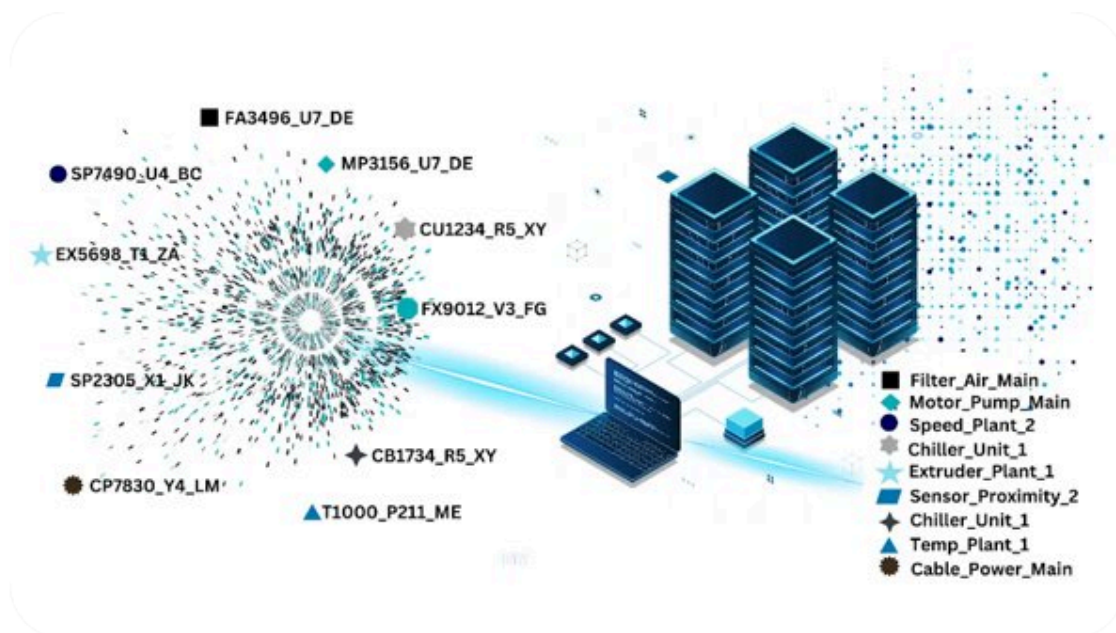# Factory Namespace MCP

Provides MCP Server support for the Factory Namespace Agent, built on our Factory Namespace Manager SLM

Data from diverse manufacturing equipment, often decades old, can be challenging to integrate. Standardizing data naming is crucial for effective data analysis and decision-making, but manual efforts are time-consuming and error-prone.

Factory Namespace MCP provides MCP Server support for the Factory Namespace Agent, built on our robust Factory Namespace Manager SLM—a Small Language Model that translates diverse factory data naming systems into standardized corporate formats. With high-speed, high-volume data mapping, Factory Namespace MCP replaces slow, manual work by subject matter experts—typically applied to only a small subset of data—with automated translation at scale.

FA3496_U7_DE
SP7490_U4_BC
MP3156_U7_DE
CU1234_R5_XY
EX5698_T1_ZA
FX9012_V3_FG
SP2305_X1_JK
CB1734_R5_XY
CP7830_Y4_LM
T1000_P211_ME

Filter_Air_Main
Motor_Pump_Main
Speed_Plant_2
Chiller_Unit_1
Extruder_Plant_1
Sensor_Proximity_2
Chiller_Unit_1
Temp_Plant_1
Cable_Power_Main

Core Capabilities:

- Small language model analyzes a sample of renamed data to learn patterns behind data naming conventions. Doesn't require detailed renaming rules
- Translates inconsistent data field names into standardized corporate formats for use in data dictionaries or unified namespace
- Makes the universe of factory data AI-ready. Enables integration of factory data with enterprise data systems and tools for end-to-end optimization

Integrations and Ecosystem:

- Exports data to Sight Machine or any ERP, BI, analytics or data governance system.