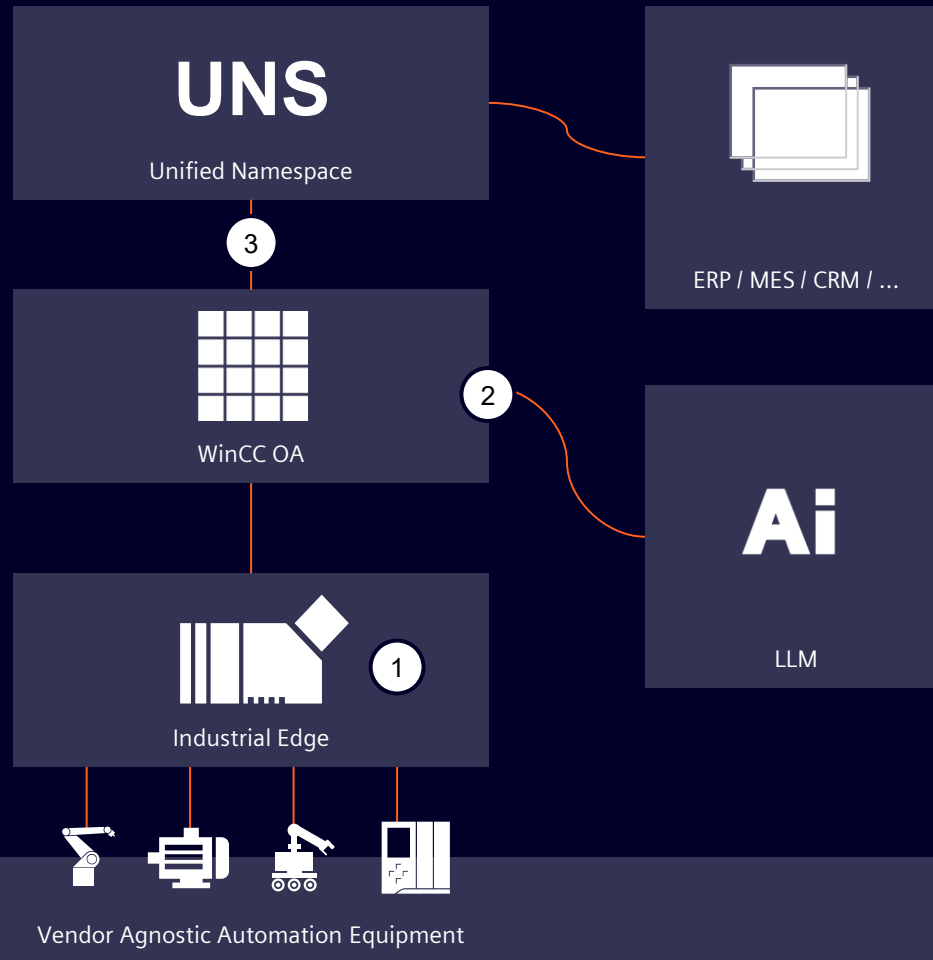


IAIOL

Industrial Artificial Intelligence Orchestration Layer

Level 1
Overview

Level 2
Detailed



1

Run AI models on the Industrial Edge device next to the PLC for low, predictable latency. Decisions remain locally during wide-area network or datacenter outages, and data resynchronizes when the link returns.

2

The Machine Proxy on Industrial Edge maps existing equipment and protocols to a consistent MTP structure of tags, states and events. WinCC OA and AI services consume this same model, so onboarding a new asset becomes a mapping task rather than a bespoke integration.

3

Industrial Edge harmonizes timestamps, units of measure and data quality, and enriches signals with machine mode and state before they leave the cell. It filters, aggregates and compresses locally, then publishes clean, contextualized data to WinCC OA and to the plant-wide namespace using UNS.