

Snowisdom Product Roadmap: From Smart Pharmacy to Inteligent Laboratory

Phase 1 — Smart Pharmacy Automation (Foundation Layer)

Digitize medication storage, dispensing, and tracking



Milestone 1: Smart Medicine Cabinet

- RFID/weight/barcode-integrated cabinet
- User access control & temperature/lock monitoring
- Supports hospitals & retail pharmacies



Milestone 2: Storage / Dispensing / Pickup Robots

- Modular dispensing robots (unit-dose / bin-based)
- 24H pickup lockers



- Automated refill tasks
- Ideal for: hospitals, outpatient pharmacies, convenience medical points



Strategic Impact: Creates Snowisdom's hardware footprint in high-frequency use-case environments

Phase 2 — Digital Infrastructure Layer (Software Core)



Goal: Build the nervous system of Snowisdom automation

Milestone 3: **WMS Platform** - Manages pharmacy inventory, cold chain items, kits, consumables, Connectors with HIS / ERP / LIS systems, Supports MFC expansion and lab inventory modules

Milestone 4: Machine Vision Software - Robotic vision for picking/packing, Medication recognition (shape/color/imprint), Lab sample identification, Quality control automation

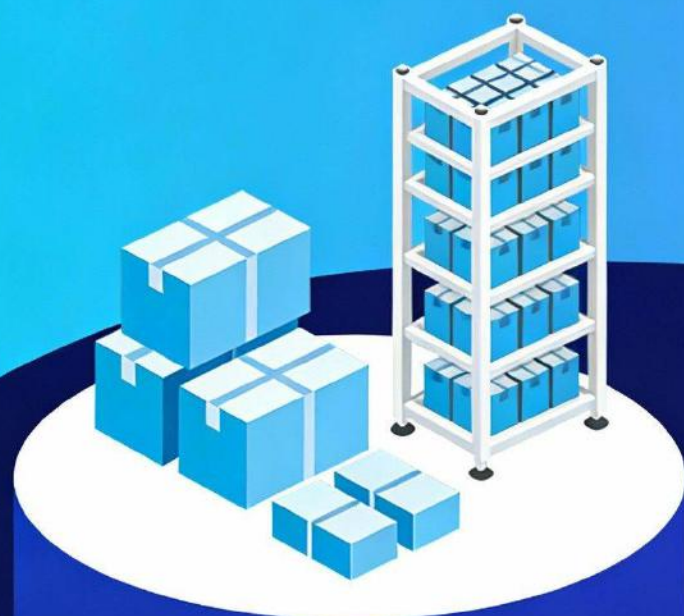
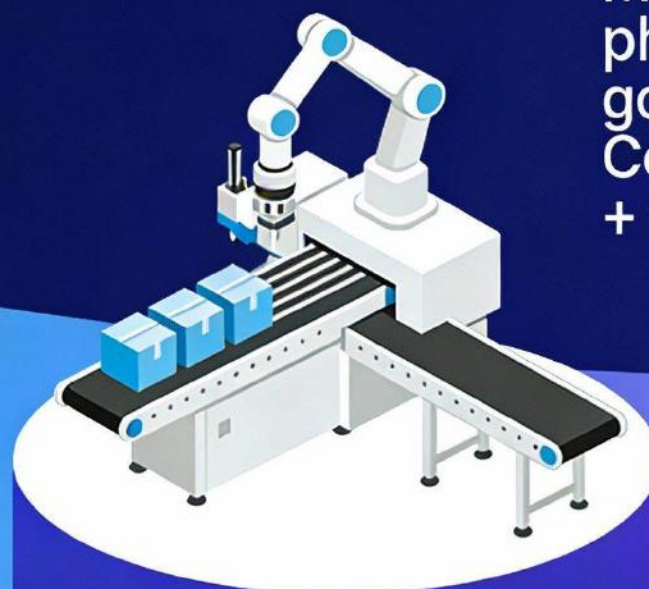
Strategic impact: Creates long-term service revenue and a unified cloud automation platform

Phase 3 – High-Value Automation Expansion

Goal: Move up-market into drug automation and lab technology

Milestone 5: Automated Medication Packager -
Unit-dose packaging, High-speed blister/bag packer,
Compatible with pharmacy cabinet + dispensing robots,
Adds value to chain pharmacies & hospitals

Milestone 6:
Micro Fulfillment Center (MFC) -
Mini warehouse automation for retail
pharmacies, clinics, grocery/fresh
goods, cold chain and e-commerce,
Combines: storage robots + WMS
+ vision + pickup lockers



Strategic impact: MFC captures
Strategic impact: MFC captures the "warehouse automation sinking market" —
next major growth wave.

Phase 4 — Intelligent Laboratory Automation (Tech Barrier Peak)

Build Snowisdom's presence in high-tech biotech & R&D segment

Milestone

Milestone 7: Laboratory Animal Management System

- Automated animal housing, Feeding, watering,
- environmental monitoring, Smart cage tracking,
- Integration with lab sample & consumable management

Strategic inspection

Strategic impact: High technical barriers, strong recurring revenue, and premium market positioning

Core Market Alignment

Market | Why It Matters | Matching Snowisdom Milestones



Hospitals (Highest value) | Complex workflows, strict compliance, high budget | Smart cabinet → dispensing robots → packager



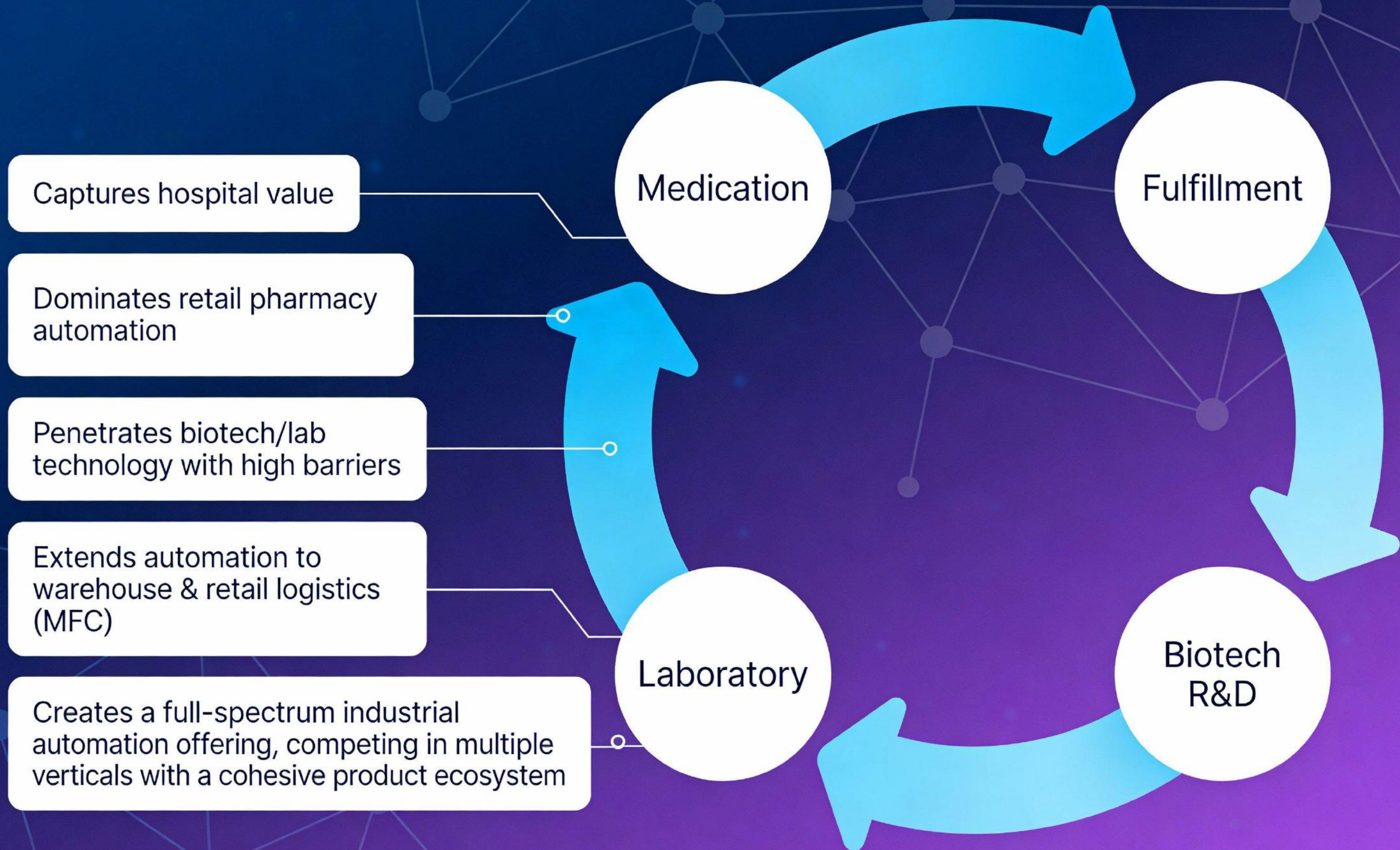
Retail Pharmacy (High frequency) | Fast turnover, high automation ROI | automation



Smart cabinet → pickup robots → MFC



Drug companies / R&D labs (High-tech barrier) | Precision, compliance, animal studies | Vision → WMS → Lab automation



Future Vision Snowisdom

will become a horizontal automation provider with deep vertical expertise across healthcare, retail, logistics, and laboratory industries.

Full-stack ecosystem covers:

