

A unified, automated platform to control communication, quality, and execution across the semiconductor supply chain.



Unified Control for Fabless Supply Chains

Sapience™ Supply Chain Hub (SCH) **centralizes communication, control, and execution** across fabless and IDM-lite supply chains.

It replaces email-driven coordination with **structured workflows, real-time visibility, and governed collaboration** across fabs, OSATs, and internal teams.

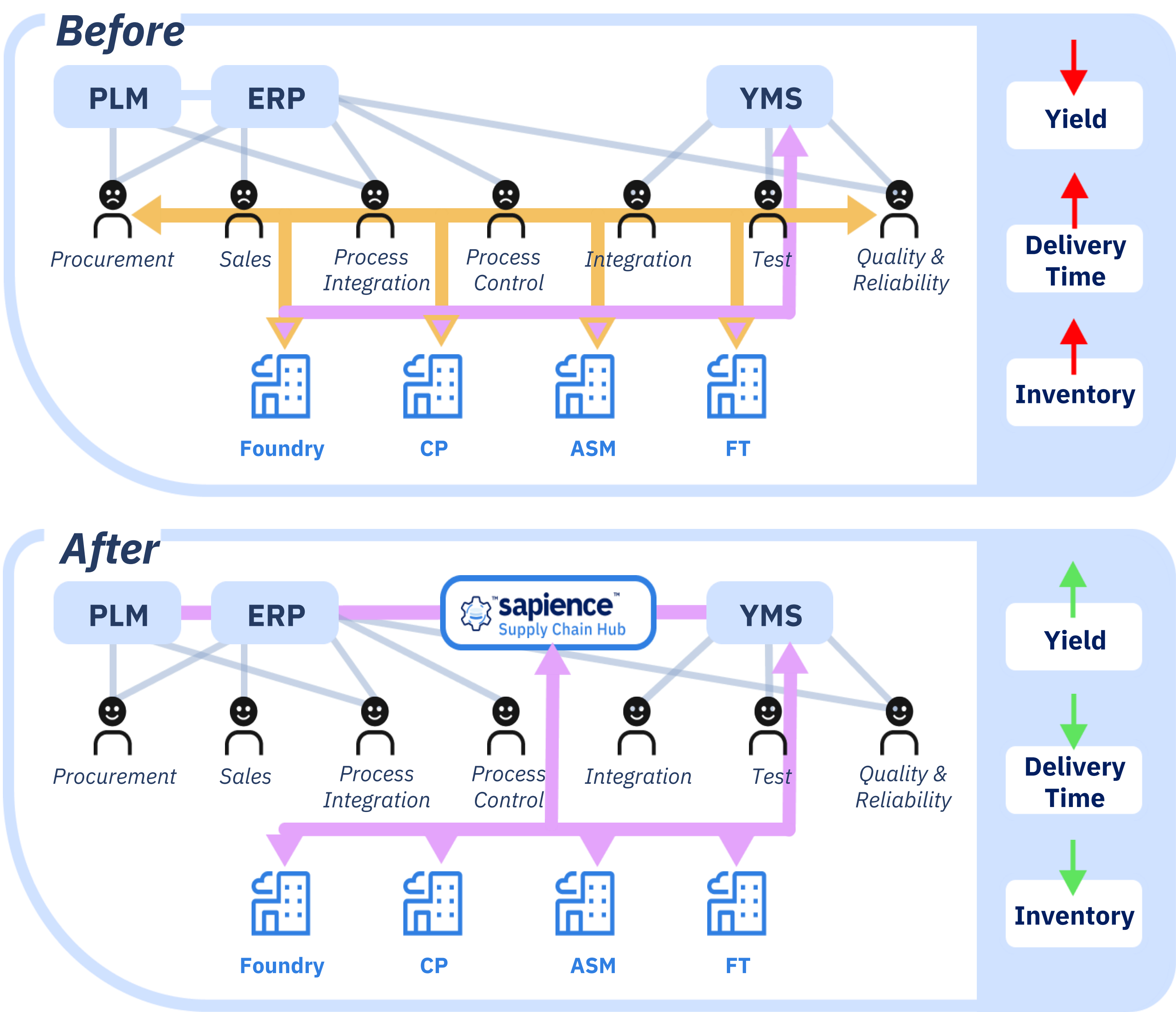
Problem with Status Quo

Supply chain operations rely on **manual, siloed processes** across email, spreadsheets, and disconnected systems. WIP visibility is delayed, quality checks are manual, and exception handling is fragmented, leading to errors, missed deliveries, and high operational overhead.

Solution Highlights

- Centralized supply chain communication & control
- Real-time WIP, quality, and exception visibility
- Native integration with PLM, ERP, and YMS

Components

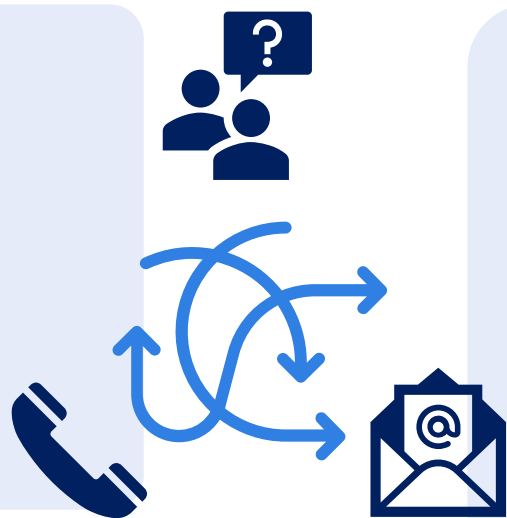


- Manufacturing & Test Governance**
Manages test programs and flows as a **version-controlled knowledge base**, synchronized with PLM and change processes.
- WIP Tracking & Management**
Provides **end-to-end WIP visibility** across fabs and OSATs to support delivery commitments and execution control.
- Quality Tracking & Management**
Applies **rule-based quality checks** and real-time monitoring to support outgoing quality assurance and compliance.
- Communication & Exception Management**
Automates **structured collaboration** with fabs and OSATs using workflows to manage holds, exceptions, and corrective actions.
- Cross-System Integration Layer**
Integrates supply chain execution with **PLM, ERP, and YMS** for unified operations, cost, and decision-making.

Use Cases

Test Program Management

Test Program; Version; Active Flag; Copy, Freeze, Upgrade



Test Flow Management

System-Level Test
Material Binning Control
Die Grade Rule
Hold Rule
Multi Test
Special Test Request
Special Ink Rule

Unified Test Flow Management

Managing complex test flows across multiple internal teams and OSATs is often handled through spreadsheets and email.

SCH provides a **centralized platform** where test programs and flows are version-controlled, traceable, and shared with external partners-creating a **single source of truth**.



Challenge

Manual file sharing and unstructured communication create **version errors** and **high risk** late in production.



Result

SCH enables **standardized, automated test flow management** with full traceability across internal teams and OSATs.



Challenge

Exception handling is **slow, unstructured**, and **difficult to track** across multiple stakeholders.



Result

SCH enables **faster resolution** with full traceability across teams and external partners.

Streamlined Exception Management

When lots are placed on hold, teams must coordinate **root cause analysis and corrective actions** across engineering, QA, supply chain, and OSATs.

SCH replaces fragmented emails and calls with **structured workflows** where issues, actions, and approvals are tracked centrally.

Lot Move

Lot Scrap

Lot Scrap Cancel

Lot Hold

Lot Hold Cancel

Lot Future Hold

Lot Locate

Update Wafer Parameter

Fab & CP Wafer Query

FT Lot Query

CP Exception List

Approval Success
2025-06-02 08:18:44

Row 1 selected

Exception ID	Stage	Task Name	Supplier Code
☒ E2025060208034000	CP	SUPPLIER_APPROVE	100001
☐ E2025060206165800	CP	FINISH	100001
☐ E2025060202372000	CP	FINISH	100001
☐ E2025052906471400	CP	FINISH	100001
☐ E2025052809451700	CP	PE	100001
☐ E2025052809451700	CP	PE	100001

35%

Better OSAT collaboration

35%

Faster quality resolution

40%

Higher product efficiency

results based on typical SCH customers

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