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**2025 Users Conference**



# Test and Supply Chain Orchestration

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December 4, 2025

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# Agenda

1. Supply Chain Orchestration
2. Customer Presentation : Silicon Motion
3. Customer Presentation : ST Micro

01.

## **Supply Chain Orchestration**

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# COMPLEX GLOBAL SUPPLY CHAIN



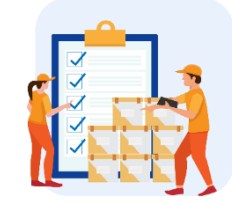
# Sapience Supply Chain Hub: Automated, Unified System to Manage Your Suppliers



**Yield Improvement**

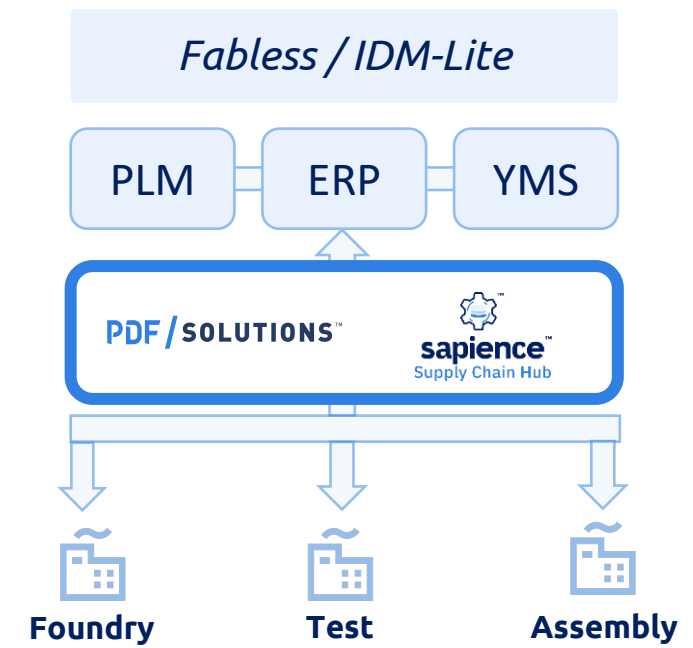


**On-Time Delivery**



**Reduced Inventory**

-  **Manufacturing & Test Governance**  
Recipes, Test Flows, & ECNs
-  **Communication Management**
-  **WIP** – Regular tracking & management
-  **Quality** – Regular tracking & management
-  **Cross-System Integration** with PLM, ERP, YMS





Product & Test  
Engineering

Production  
Control

Quality

Work As One Team

# Use Case 1: Unified Test Flow Management

## Standardized, Automated Platform for Test Flow Management

### Solution: Standardized, Automated Platform for Test Flow Management



Engineers and OSATs **collaborate on a single platform**



Test programs are **version-controlled, traceable, and downloadable** by OSATs



Test flows can be **reused and upgraded**, forming a **centralized knowledge base**



All **changes** (modifications, upgrades, copies) **are tracked** in the system



**Internal and external** manufacturing operations are **unified** under one system



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Demo Part 1



# Fast forward 6 months

In Mass  
Production

Owned by  
Sustaining PE

Running at  
OSAT

## Lot goes on hold for a Yield Trigger

Now what?

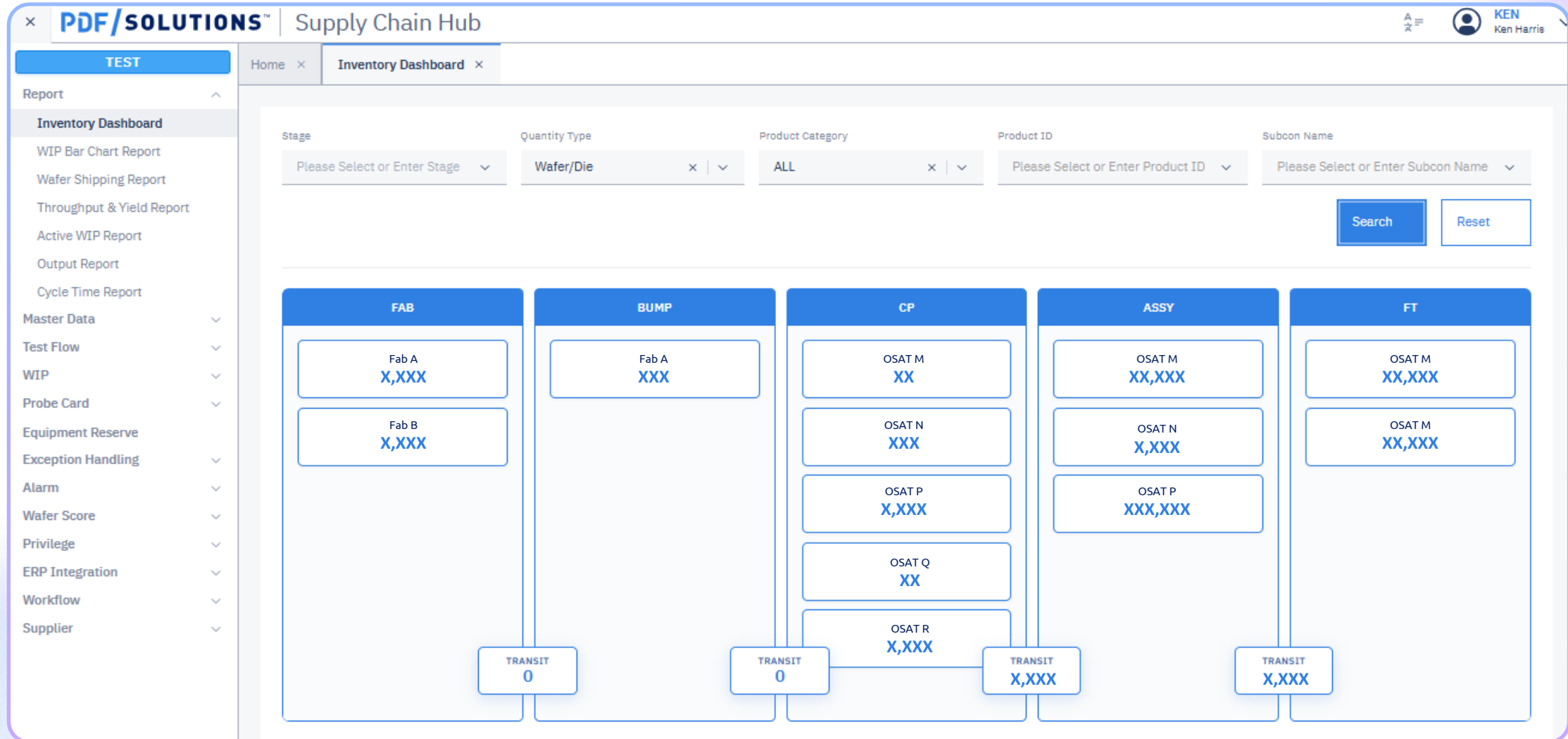
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Demo Part 2



# Use Case 3: Tracking Inventory in a Complex Supply Chain





# Supply Chain & Manufacturing Pain Points

## Manual & Siloed Systems

Test flows and programs are scattered across spreadsheets and disconnected tools.

## Inefficient Communication

Emails, calls, and chats lead to misalignment with fabs and OSATs.

## Limited WIP Visibility

Real-time monitoring and control of production is not possible.

## Fragmented Quality Checks

QA processes are manual and spread across multiple systems.

## Disconnected ECN Process

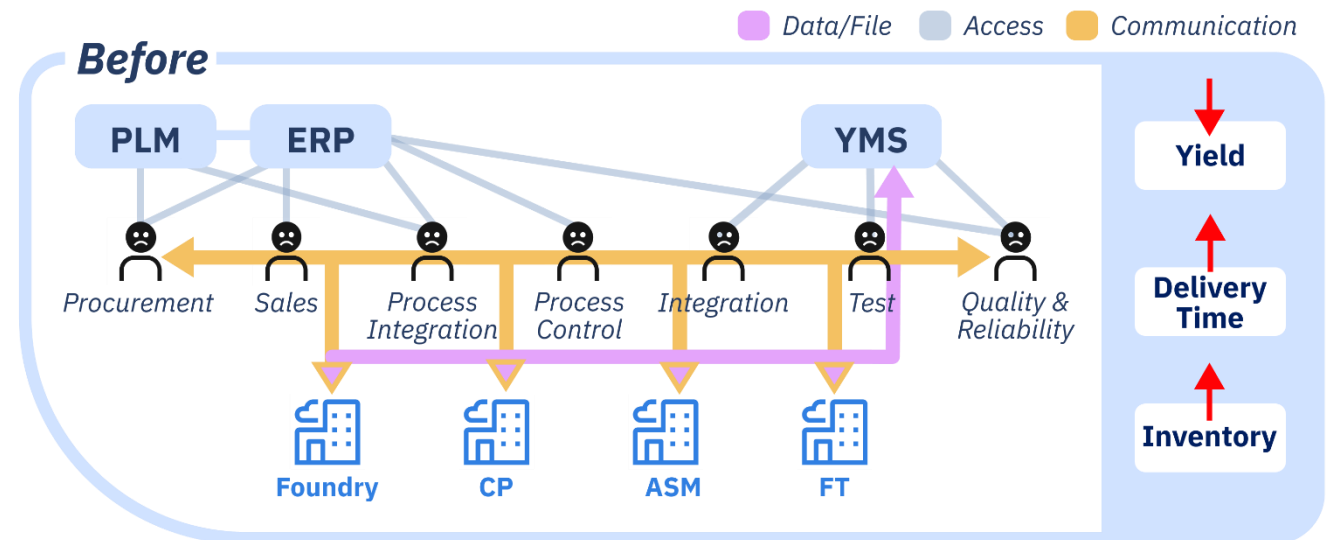
Engineering changes are shared and approved via email, increasing risk.

## Slow Exception Handling

Issue resolution is delayed due to offline, manual coordination.

## No ERP Integration

Lack of real-time cost and performance comparison hinders decision-making.



# Our Guest Speakers



**Tao Cheng**

VP of Manufacturing &  
Operations



**Massimo  
Longaretti**

Software Automation  
Manager

# Thank You

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