

HachiAI

Case Study

Intelligent Digital Co-Workers

increase profitability of a leading, speciality vehicle-parts manufacturer by automating pre-production planning and scheduling to optimize manufacturing execution.

3x
Capacity
Increase



> 80% Cost
Reduction



0%
Rework



3 Months
Payback
Period





BACKGROUND

The Production Planning Team, at a leading manufacturer of roll-up doors and LED lighting modules for vehicles, is tasked with:

- Receiving purchase orders from via email as PDF attachments.
- Reviewing the list of orders received daily.
- Categorize the orders by clients and types for processing.
- Process the purchase orders in the Epicor ERP system.
- Set up shipping details for the finished products in the ERP system.
- Create a production "Job" in the Epicor ERP for every order entered.
- Optimal scheduling of production Jobs to initiate the manufacturing process.
- Complete order fulfillment processes within client requested timelines.

MAJOR CHALLENGES



Complex Decision Logic across **5** disparate **systems**



24x7 capacity needed to handle unpredictable order volume, especially over the weekend



Human errors in production scheduling lead to need for costly manufacturing rework

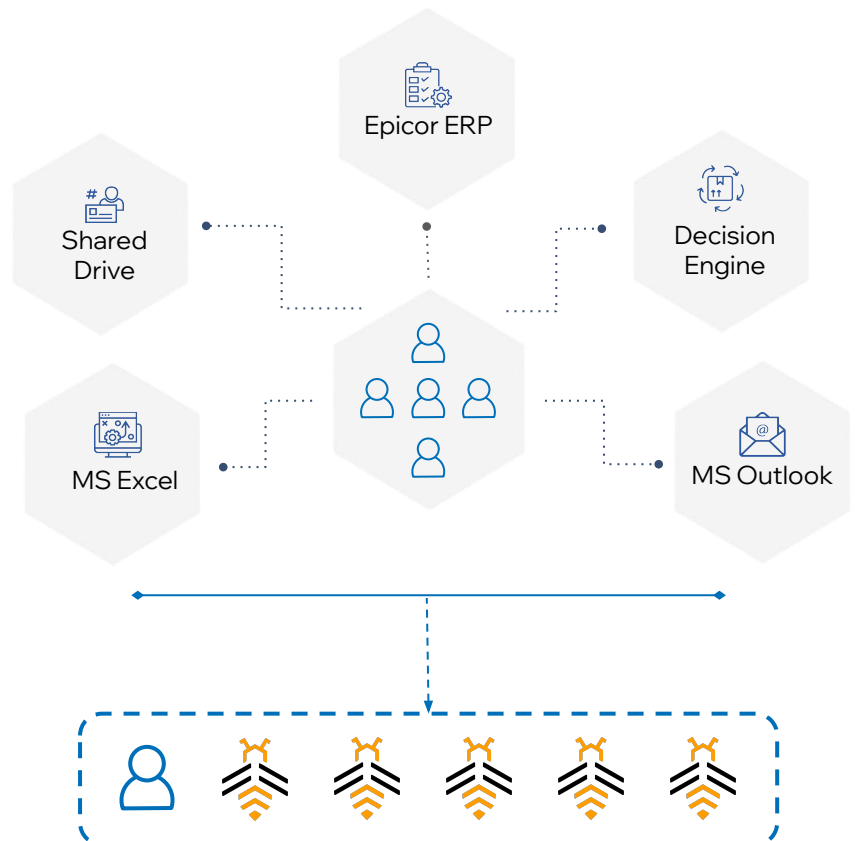


Multi Million \$\$ Integration required over 6+ months

APPROACH

Intelligent Digital Co-Workers (IDCWs):

Taking a **Hybrid Workforce** approach, the IDCWs were created with zero coding by stitching **15+** existing **microskills** in a calculated and coordinated fashion. They seamlessly emulate human actions and perform tasks efficiently, across existing applications without the need for any custom software development or costly system integrations effort.



SUCCESS

We created agile, **non-intrusive** bots that seamlessly integrate into existing systems, assisting workers with necessary yet redundant tasks.

This approach ensured:

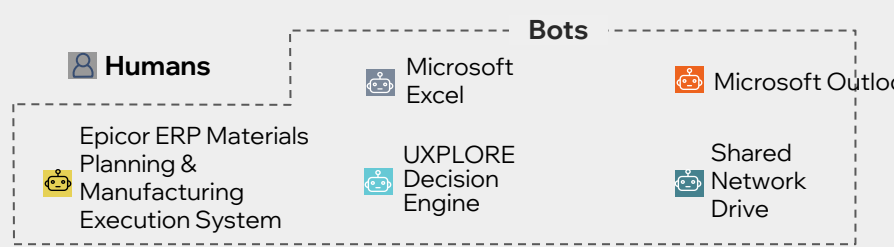
- **0** new **integrations** needed
- Immediate Increased Efficiency
- **100%** Accuracy
- Assistance **24x7x365**

Keys Skills Exercised:

1. Multi-Platform Login Access
2. Data Reading and Extraction
3. Order Detail Auditing
4. Data Entry and Migration
5. Cross-Platform and System Specific Task Execution
6. Emailing
7. Searching and sorting
8. Updates & Corrections
9. Error Detection and Escalation

Achieved Results

- ❖ **> 80%** Cost Reduction
- ❖ **3x** Capacity Increase
- ❖ **3** Months Payback Period
- ❖ **ROI** from **Day 1**
- ❖ **100%** Automated
 - **17 of 17** tasks
- ❖ **5** Systems Involved
- ❖ **100+** Daily Orders



BEFORE



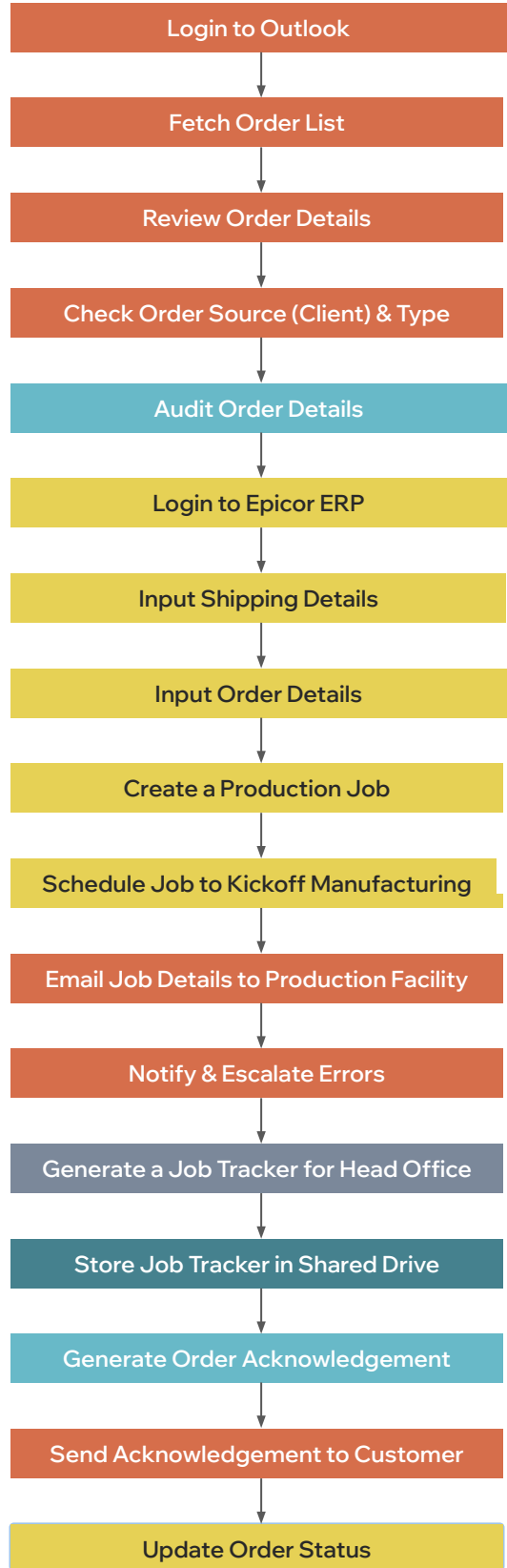
Manual Process



AFTER



Hachi IDCWs



ABOUT HACHI

HACHI is a Hyper Automation platform for training Digital Co-Workers (Bots) to automate complex workflows as per job descriptions using a no-code approach. All possible human gestures and actions are pre-coded and readily available to read, interpret, write & transform data, make decisions and even manage escalations. Alongside the existing team, these Bots can be rapidly trained to perform tasks just like people, by emulating human actions across existing applications without the need for custom software development or costly system integrations effort on a variety of platforms such as mobile, tablet, web, desktop and even legacy CLI based systems non-intrusively.

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APPLICABLE INDUSTRIES

 CPG |  Distributors |  Retail |  Logistics |  Banks |  Telcos

KEY BENEFITS OF AN IDCW

-  **Elimination of High-Volume, Repetitive Tasks**
-  **High-Speed & Consistency**
-  **High Accuracy & SLA adaptability**
-  **Complete automation of Standardized & Rules-Based tasks**
-  **Scalability & Capacity Increases**

WORKFLOW-BASED AUTOMATION

-  **Finance & Accounting**
-  **Sales Process**
-  **HR Support Assistant**
-  **Contact Center**
-  **Supply Process**