

Traceability add-in for Dynamics 365 Supply Chain Management

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Agenda

- Overview of Traceability
- Demo
 - Integration with PFE
 - Integration by API
- Roadmap
- Q&A



Problem Solved

“**What** happened?”

- The as-build/maintained BOM
- The activities across SCM life cycle

“**How** did it happen?”

- The Time, Operator, Activity Type, Activity Code and Data collection are included in the activity detail.

“**Which** are impacted?”

- The where-used report advised the impacted object against unique identity (Serial/Batch/Lot/Asset number).

Contoso-EV

Incident: INC13429385

Issue : Power attenuation

Customer : US-001

VIN No : VIN-CGM2024063001434343

Model : E-VEHICLE



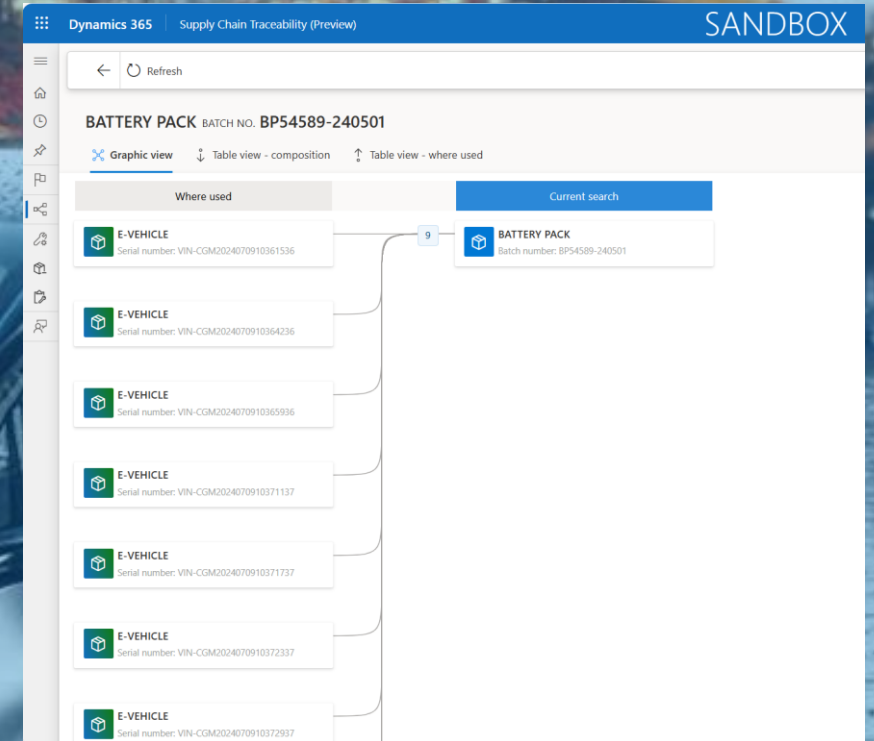
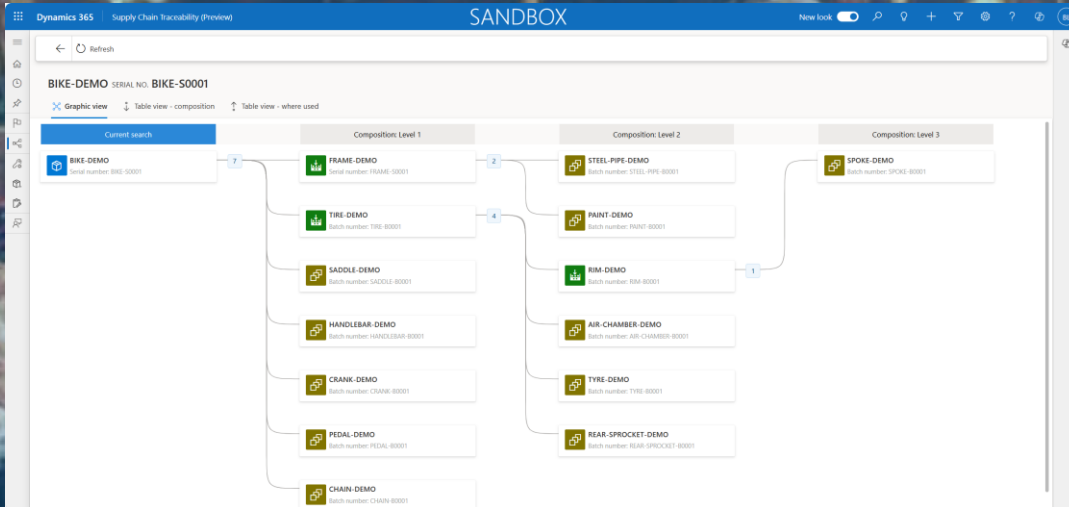
Reason : Defective Battery Pack

Solution : Replace

Defective object Identity: BP54589-240501

QE: Marci

QM: Paul





N



Dynamics 365

Supply Chain Traceability (Preview)

SANDBOX



Refresh

BATTERY PACK BATCH NO. BP54589-240501

Graphic view

Table view - composition

Table view - where used

Item name	Tracking dimension group	Batch number	Serial number
BATTERY PACK	batch number	BP54589-240501	
E-VEHICLE	serial number		VIN-CGM2024070910361536
E-VEHICLE	serial number		VIN-CGM2024070910364236
E-VEHICLE	serial number		VIN-CGM2024070910365936
E-VEHICLE	serial number		VIN-CGM2024070910371137
E-VEHICLE	serial number		VIN-CGM2024070910371737
E-VEHICLE	serial number		VIN-CGM2024070910372337
E-VEHICLE	serial number		VIN-CGM2024070910372937
E-VEHICLE	serial number		VIN-CGM2024070910373937
			VIN-





Hi Nicole,



For Incident INC13429385, the battery pack need be replaced.

Attach the customer list for **RECALLING** process.

For any question or concern, please let me know.

BR,

Marci





Hi Klein,



For Incident INC13429385, the battery pack need be replaced.

Attach the VIN list for **REFURBISHMENT**.

For any question or concern, please let me know.

BR,

Marci





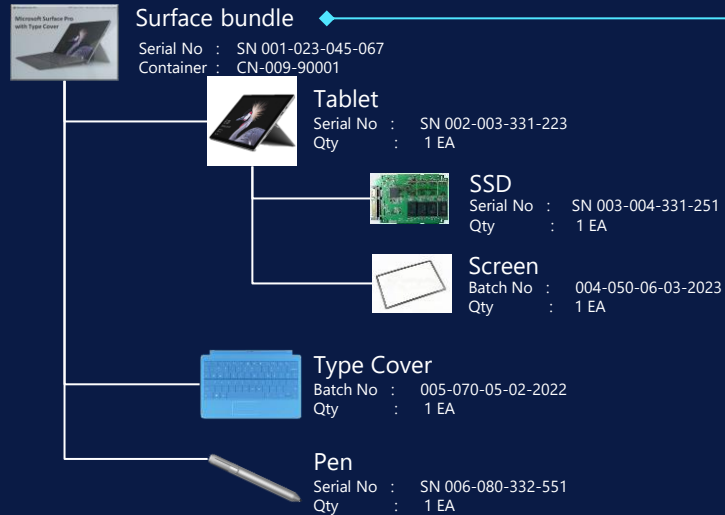
Legend

- > Genealogy event
- > Custody event



Traceability

Genealogy Tree



Activity Events

Date: 2023-02-06 Time: 14:42:00 Operator: JL001
Create, Sales Order - SO0001

Date: 2023-02-16 Time: 14:42:00 Operator: MY001
Create, Production Order - PO0001

Date: 2023-02-16 Time: 14:43:00 Operator: MY001
Release, Production Order - PO0001

Date: 2023-02-17 Time: 15:42:00 Operator: CK002
Start, Operation -OP1, Resource - RSC001

Date: 2023-02-17 Time: 14:50:00 Operator: CK002
Consume, Type Cover,
Batch No: 005-070-05-02-2022, Qty: 1 EA

Data Collection

Vendor : PS001

Vendor Batch : PS001-05-02-2022

Test item: Outfit Result: PASS

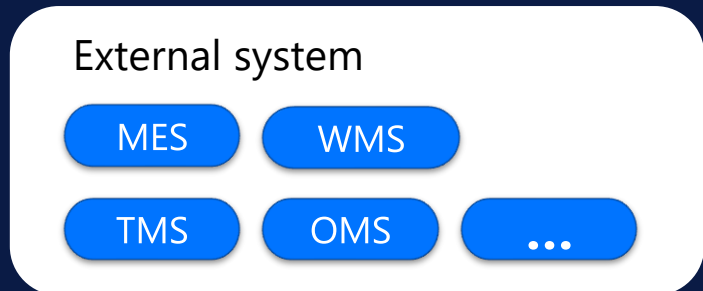
Test item: Size Result: PASS

Test item: Color Result: PASS

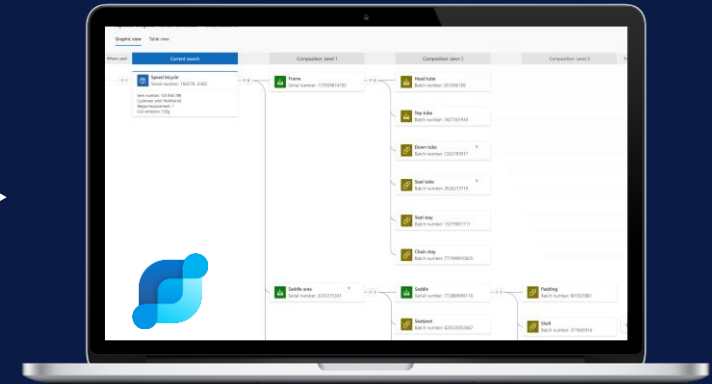
Data Flow – SCM and Traceability



Backend Job



Public API



- Ability to do the **Forward (to finish goods) and Backward (to raw material) search** against genealogy information (as-built BOM).
- Ability to **log the custody activity event** per raw material and finish goods
- **Integration** with Dynamics 365 SCM (Purchase, Manufacturing, EAM, Sales etc.) and external system.

Traceability & Evolving Integration

Dynamics 365 Supply Chain Management

Sales & Procurements

Production management

Warehouse management

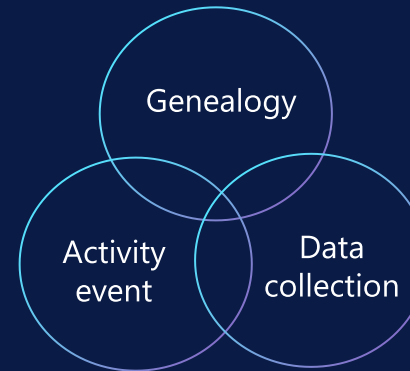
Transportation management

Asset Management

Inventory Management

Traceability add-in for Dynamics 365 Supply Chain Management

- Support works with D365 Purchase process to track
 - Purchase order creation
 - Inventory registration
 - Goods receipt
- Support works with D365 Production process to track
 - Production/batch order creation/release
 - Operation/Job start/stop/complete
 - Report scrap
 - Report progress
 - Post pick list
 - Report as finished
- Support works with D365 Warehouse management to track
 - Work order creation
 - Work order complete
 - Inventory transfer
- Support works with D365 Sales management to track
 - Inventory reservation
 - Post packing slip of sales order



- Genealogy search (Top-down)
- Where-used search(Bottom-up)
- Batch/serial number search by activity event
- Batch/serial number search by data collection
- Integration with Non D365 SCM modules by open APIs

- Support works with D365 Quality and quarantine process to track
 - Quarantine order creation/split
 - Quarantine order report as finished
 - Quarantine order end/scrap
 - Quality order creation
 - Quality order validation
- Support works with D365 Asset management process to track
 - Schedule work order
 - Complete work order
 - Asset status update
 - Move to parent asset
 - Remove from parent asset
 - Install asset at location
- Support works with D365 Transportation management to track
 - Unload(pick)complete
 - Load complete
 - Status change of shipment
 - Shipment confirmation



Search people ...

< June 2024 >

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Work items assigned to me

Work items will be displayed here after they are assigned to you.

To do list

APPS

Business performance analytics (preview)

Business performance planning

Copilot for Finance (Preview)

Demand planning

Invoice capture

WORKSPACES

Bank management

Customer credit and collections

Learning

Purchase order preparation

Benefits

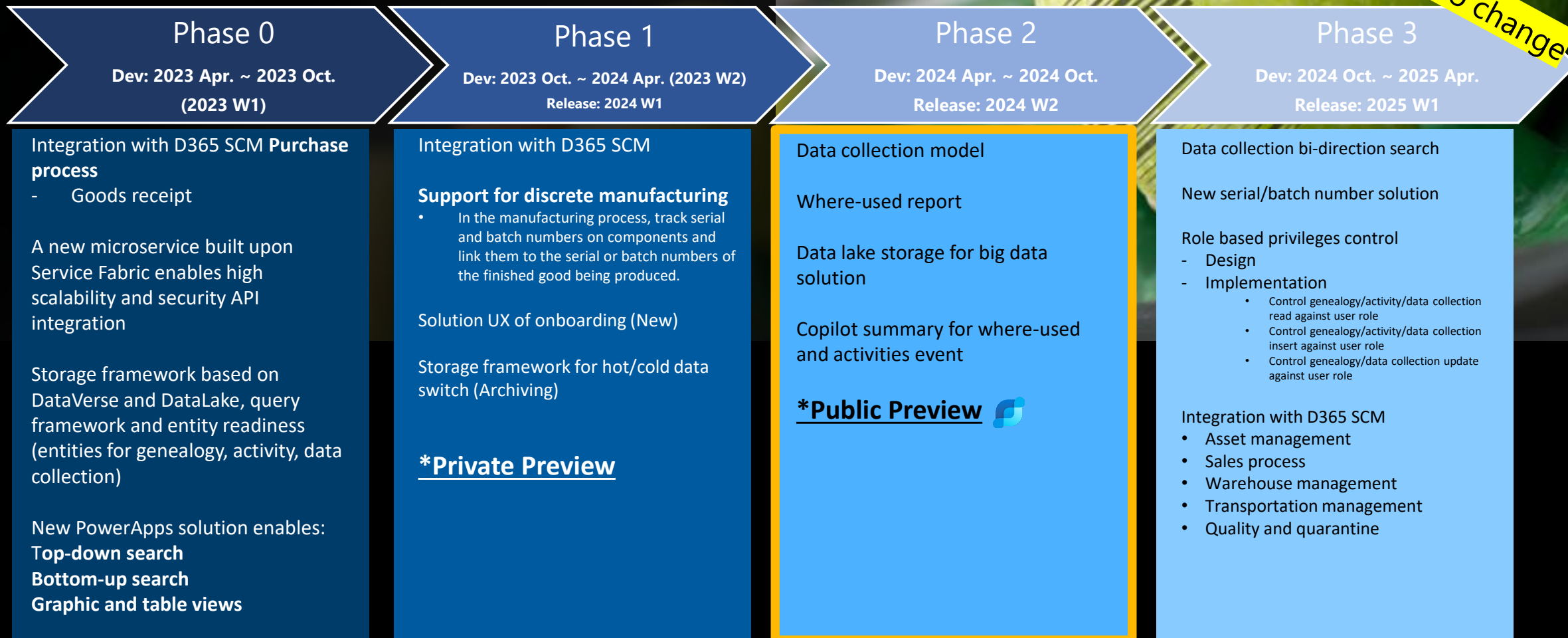
Customer invoicing

Leave and absence

Purchase order receipt and follow-up

Roadmap

Subject to change



When Top-down search is ready, the questions about “What happened?”, “Who did it?” and “When did it happen?” can be supported.

When Bottom-up search is ready, the question about “Which goods are impacted?” can be supported.

When the integration with Sale process and Warehouse management is ready, the questions about “Who has the goods?” and “Where are the goods now?” can be supported.



Q & A



Yammer group

(2) Viva Engage : Dynamics 365 and Power Platform Preview Programs
: Project: Supply Chain Traceability : All Conversations (yammer.com)

Product team

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Thank you