



# Improvement Breakout

**Alex Brooks-Sykes**  
SafetyCulture

**Noelle Harvey**  
YuzeData

# Unlock the power of a **technology ecosystem**

This dynamic workshop will equip you with the knowledge and frameworks to move beyond individual tools and harness the synergistic power of a technology ecosystem with YuzeData



**Alex Brooks-Sykes**  
Head of Strategic Sales, EMEA  
**SafetyCulture**



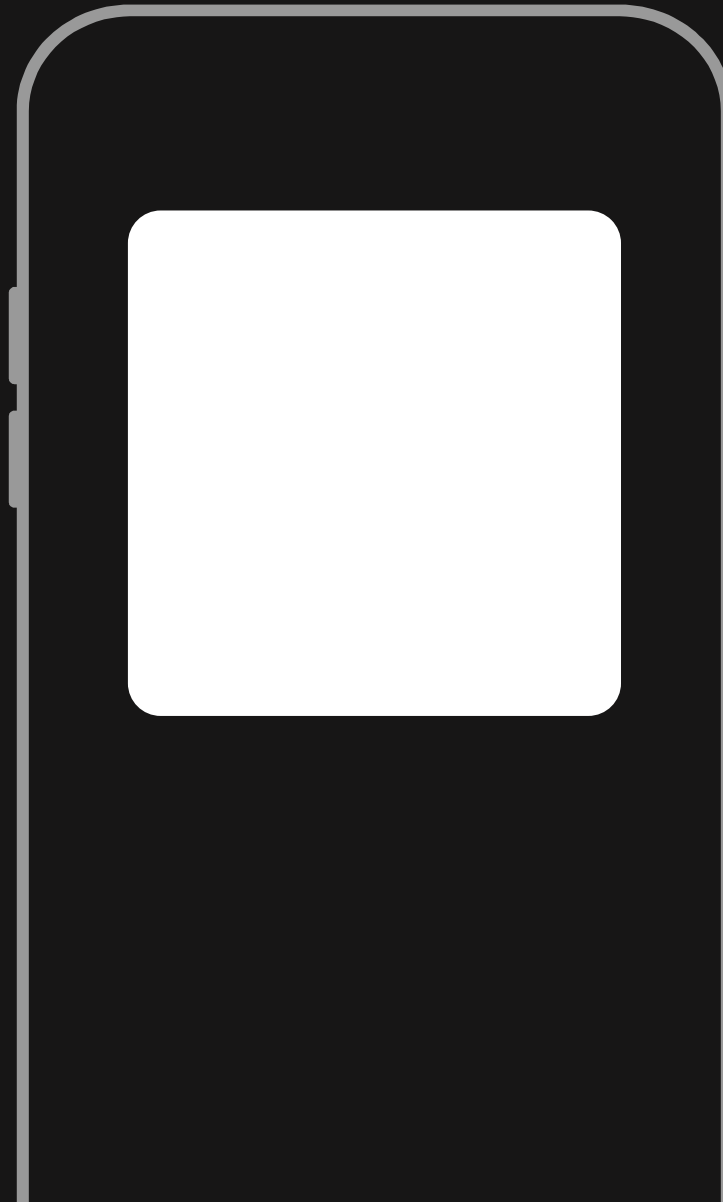
**Noelle Harvey**  
VP Product & Innovation  
**YuzeData**



**Elizabeth Mills**  
Business Outcomes Leader  
**YuzeData**

Why is the **technology/digital ecosystem** so important?

Submit your  
questions via  
**Slido**





## Example 1: ERP & EAM integration **use cases**



Master data

Sites

Equipment

Functional locations

Worker & Contractor profiles

Maintenance actions



Completed inspections

Anomalies/Findings

Maintenance actions

Re-inspection data



Connect SafetyCulture with enterprise resource planning and enterprise asset management systems to ensure data accuracy between the field and enterprise, by synchronizing site, location and equipment master data and acting on shared inspection findings happening in real time at any global location.



# Example 1: ERP & EAM integration **benefits**

- ✓ Maximise inspection planning on current and correct master data
- ✓ ore efficient maintenance tasking by reviewing inspection results in bulk
- ✓ Manual time saved in rekeying data between systems
- ✓ Major findings can be shared to multiple systems at once to reduce notification time to different departments



Master data  
Sites  
Equipment  
Functional locations  
Worker & Contractor profiles  
Maintenance actions



Completed inspections  
Anomalies/Findings  
Maintenance actions  
Re-inspection data





## Example 2: EHSQ integration use cases



Master data  
Sites  
Equipment  
Functional locations  
Maintenance actions



Completed inspections  
Anomalies/Findings  
Corrective actions  
Re-inspection data  
Training course completions

Connect SafetyCulture with enterprise environment, health and safety and quality systems to ensure data accuracy between the field and enterprise, by synchronizing site, location and equipment master data and acting on shared inspection findings happening in real time at any global location. Synchronize completed trainings with EHS training matrix planning.



## Example 2: EHSQ integration **benefits**



Master data  
Sites  
Equipment  
Functional locations  
Maintenance actions



Completed inspections  
Anomalies/Findings  
Corrective actions  
Re-inspection data  
Training course completions

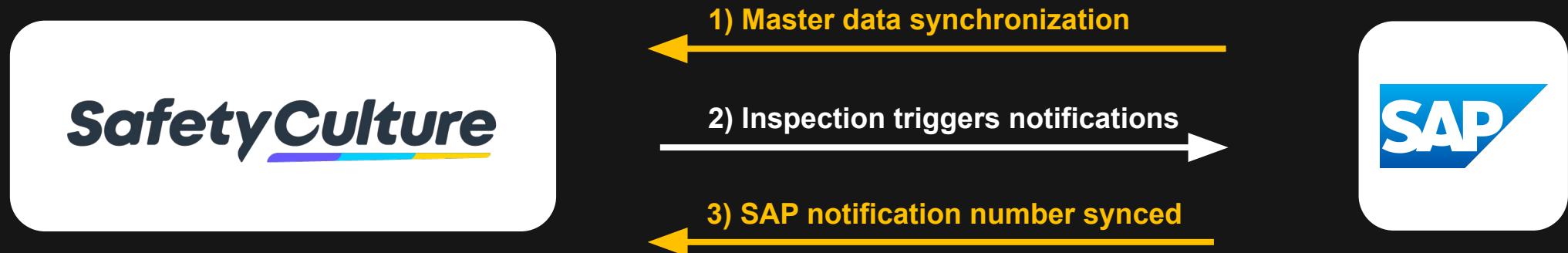
- ✓ Maximise inspection planning on current and correct master data
- ✓ More efficient corrective action management by reviewing inspection results in bulk
- ✓ Manual time saved in rekeying data between systems e.g. courses into training management
- ✓ Route major findings by function to different departments to improve close-out times e.g. Quality, Environment, Health, Safety, Security

## Live demo:

# SafetyCulture integration with SAP S4/HANA asset management

**Challenge:** Connecting findings in field operations with maintenance management is a difficult, especially in organizations with large volumes of assets and inspection management programs.

**Solution:** Raise SAP Asset Management notifications from SafetyCulture inspections to streamline maintenance planning



# 1) Master data synchronization from SAP S4/HANA to SafetyCulture

Partner Demo Development NA4/060

SAP Technical Object

Standard

Application Logs

Search

Technical Object Type: Technical Object: Object Type: Maintenance Plant: Location: Plant Section:

Superior Technical Object: Manufacturer: Planner Group: Main Work Center: System Status:

Go Adapt Filters

Technical Objects (197) Standard

Mass Edit Technical Objects Manage Structure Change Status

Technical Object Type	Technical Object	Object Type	Manufacturer	Planner Group
<input type="checkbox"/> Equipment	Manual Isolation Valve Ralph change here (217100001) System Status: INST Technical Identification Number:	Valve (9400)		PM-Planner Mech. (920)
<input type="checkbox"/> Equipment	Control Valve (217100002) System Status: INST Technical Identification Number:	Valve (9400)		PM-Planner INST. (930)
<input type="checkbox"/> Equipment	Gear Box (217100003) System Status: INST Technical Identification Number:	Gear Box (9700)		PM-Planner Mech. (920)
<input type="checkbox"/> Equipment	Compressor Motor (217100004) System Status: INST Technical Identification Number:	Motors (9100)		PM-Planner Elec. (910)
<input type="checkbox"/> Equipment	DE side Bearing Assembly (217100005) System Status: INST Technical Identification Number:			PM-Planner Mech. (920)
<input type="checkbox"/> Equipment	NDE side Bearing Assembly (217100006) System Status: INST Technical Identification Number:			PM-Planner Mech. (920)
<input type="checkbox"/> Equipment	Compressor Stage 1 (217100007) System Status: INST	Rotary Compressors (9200)		PM-Planner Mech. (920)

Done scrolling (Enter)

# 1) Master data synchronization from SAP S4/HANA to SafetyCulture

The screenshot displays the SafetyCulture interface for the 'Assets' section. The left sidebar contains navigation options: Home, Search, Notifications, Templates, Inspections, Schedule, Actions, Training, Assets (selected), Issues, Heads Up, Sensors, Marketplace, Analytics, Help, and Erin's Team (Erin Joseph). The main content area shows a summary of 197 total assets, 0 open actions, and 3 inspections in the last 30 days. A filter is applied for 'Type: SAP\_EQPT'. Below the summary is a table of assets.

<input type="checkbox"/>	Unique ID ↑	Display name	Type	Last inspection date	Open actions	
<input type="checkbox"/>	217100001	Manual Isolation Valve R...	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100002	Control Valve	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100003	Gear Box	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100004	Compressor Motor	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100005	DE side Bearing Assembly	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100006	NDE side Bearing Assem...	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100007	Compressor Stage 1	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100008	Inlet Water Valve	SAP_EQPT	5 Feb 2025	0	Start inspection ⋮
<input type="checkbox"/>	217100009	Compressor Stage 1 cool...	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100010	Discharge Water Valve	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100011	Compressor Stage 2	SAP_EQPT	—	0	Start inspection ⋮
<input type="checkbox"/>	217100012	Inlet Water Valve	SAP_EQPT	—	0	Start inspection ⋮

# 1) Master data synchronization from **SAP S4/HANA** to **SafetyCulture**

The screenshot displays the SafetyCulture user interface. On the left is a vertical navigation menu with items: Home, Search, Notifications, Templates, Inspections, Schedule, Actions, Training, Assets, Issues, Heads Up, Sensors, Marketplace, Analytics, Help, and Erin's Team (Erin Joseph). The main content area is titled 'Home' and includes a search bar and a '+ Create' button. Below this is a 'Summary' section with three cards: '0 Heads Up', '0 Training', and '0 Issues'. An 'Agenda' section follows, with tabs for 'All', 'Inspections', 'Actions', 'Issues', and 'Training'. The agenda content area shows a calendar icon and the text 'All clear! Scheduled items and items with due dates that are assigned to you will appear here.' A chat icon is visible in the bottom right corner of the dashboard.

## 2) SafetyCulture inspection triggers SAP notification

Asset being inspected  
217100008  
SAP\_EQPT - Inlet Water Valve

Action


Equipment Information 1 1 3 / 4 (75%)

Is the equipment operating as expected  
No

Actions  
Complete Create SAP Notification for anomaly

Action

Anomaly Title  
Inlet valve leaking (see picture)

Photos  


Action

Anomaly Detailed Description  
During routine inspection, we have detected a leakage on the inlet valve that needs fixing asap

Action

Anomaly Type  
Other

Action

Is the Equipment Down  
No

Action

Anomaly Priority  
High

Action



Actions 1

Erin Joseph created an action

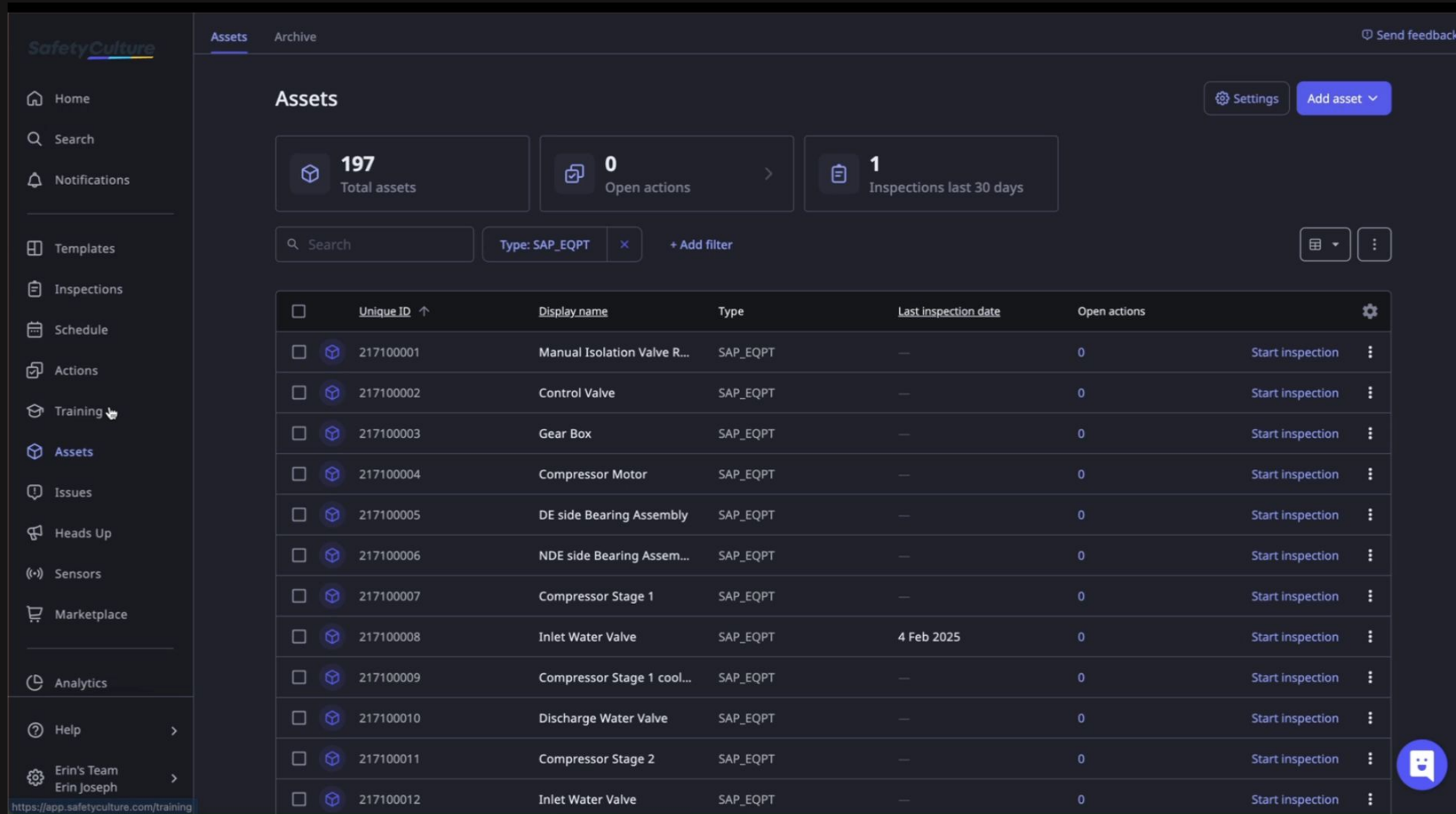
Complete

Create SAP Notification for anomaly  
An SAP Notification has automatically been created for this anomaly and its ID is 10000029

Is the equipment operating as expected  
Equipment Information



## 2) SafetyCulture inspection triggers SAP notification



The screenshot displays the SafetyCulture interface for managing assets. The left sidebar contains navigation options: Home, Search, Notifications, Templates, Inspections, Schedule, Actions, Training, Assets (selected), Issues, Heads Up, Sensors, Marketplace, Analytics, Help, and Erin's Team (Erin Joseph). The main content area is titled 'Assets' and shows 197 total assets, 0 open actions, and 1 inspection in the last 30 days. A filter is applied for 'Type: SAP\_EQPT'. The table below lists 12 assets, each with a unique ID, display name, type, last inspection date, and open actions.

Unique ID	Display name	Type	Last inspection date	Open actions
217100001	Manual Isolation Valve R...	SAP_EQPT	—	0
217100002	Control Valve	SAP_EQPT	—	0
217100003	Gear Box	SAP_EQPT	—	0
217100004	Compressor Motor	SAP_EQPT	—	0
217100005	DE side Bearing Assembly	SAP_EQPT	—	0
217100006	NDE side Bearing Assem...	SAP_EQPT	—	0
217100007	Compressor Stage 1	SAP_EQPT	—	0
217100008	Inlet Water Valve	SAP_EQPT	4 Feb 2025	0
217100009	Compressor Stage 1 cool...	SAP_EQPT	—	0
217100010	Discharge Water Valve	SAP_EQPT	—	0
217100011	Compressor Stage 2	SAP_EQPT	—	0
217100012	Inlet Water Valve	SAP_EQPT	—	0

# 3) SAP notification ID logged on SafetyCulture inspection action

Partner Demo Development NA4080

Maintenance Request

**10000029**  
Inlet valve leaking (see picture)

[Edit](#) [Accept](#) [Reject](#) [Action Required](#) [Determine Output Items](#)

**Overview**

Notification Type: Reactive Work (Y1)

Order: **Screening**

Subphase: Submitted (Request)

Notification Processing Context: —

**Identified Asset**

Technical Object: Inlet Water Valve (217100008)

Identifying Level: 1710-SPA-SAC / ... / 1710-SPA-SAC-PLAR1-CLR1

Failure Mode Group: PM General (YB-PMGNL)

Failure Mode: Other (OTH)

Effect: —

**Dates**

Malfunction Start: 01/28/2025, 23:27:15

Malfunction End: —

Required Start: 02/04/2025, 21:13:18

Required Finish: 02/06/2025, 21:13:18

Final Due Date: 02/06/2025

**Responsible Area**

Planning Plant: US Plant (1710)

Planner Group: PM-Planner Mech. (920)

Main Work Center: Mechanics (RES-0100)

Main Work Center Plant: US Plant (1710)

Person Responsible: —

**Breakdown**

No

**Priority**  
**High**

General Information | Malfunction Information | Maintenance Plan Details | Output Items

**Technical Information**

Technical Object: Inlet Water Valve (217100008)

Technical Object Type: Equipment

Category: Machines (M)

**Location Data**

Maintenance Plant: US Plant (1710)

Current Location: —

Location: Compressor # 1 (YB\_1701)

**Responsible Area**

Plant Section: Linda Yates (YQH)

ABC Indicator: —

Main Work Center: Mechanics (RES-0100)

Hierarchy Standard

Technical Object	Manufacturer	Open Requests	Open Orders
Air Compressor Plant (1710-SPA-SAC)		0	0
Compressor # 1 (1710-SPA-SAC-PLAR1)		0	0
Compr1 - Air Cooler 1 (1710-SPA-SAC-PLAR1-CLR1)		0	0
Inlet Water Valve (217100008)		2	0

Details Activity

**AC-22**

**CREATE ACTION**

**Create SAP Notification for anomaly**

[Complete](#)

An SAP Notification has automatically been created for this anomaly and its ID is 10000029.

Priority: -- None

Due date: Add due date

Assignees: Add assignees

Site: 1710

Asset: 217100008

Labels: Add labels

Links

Linked to: 4 Feb 2025 / Erin Joseph

Equipment Information

Is the equipment operating as expected

No

Created by Erin Joseph on 4 Feb 2025 10:13 PM

Visible to anyone who has access to the relevant inspection.

### 3) SAP notification ID logged on SafetyCulture inspection action

The screenshot displays the SafetyCulture interface. On the left is a navigation sidebar with options: Home, Search, Notifications, Templates, Inspections, Schedule, Actions, Training, Assets, Issues, Heads Up, Sensors, Marketplace, Analytics, Help, and Erin's Team (Erin Joseph). The main area is titled 'Inspections' and shows a table of inspection records. The table has columns for 'Inspection', 'Actions', 'Doc number', 'Score', 'Conducted', and 'Completed'. Two records are visible, both dated '4 Feb 2025 / Erin Joseph' and using the 'Yuzedata SAP SC Demo Inspection Template'. Each record shows a score of 75% and a status of '1 Closed'. A search bar and '+ Add filter' button are at the top of the table. The page shows '1 - 2 of 2 results' and a pagination control for page 1 of 1. A 'Send feedback' link is in the top right corner.

Inspection	Actions	Doc number	Score	Conducted	Completed	
<input type="checkbox"/> TODAY						
<input type="checkbox"/> 4 Feb 2025 / Erin Joseph Yuzedata SAP SC Demo Inspection Template	1 Closed		75%	4 Feb 2025	4 Feb 2025	View report
<input type="checkbox"/> 4 Feb 2025 / Erin Joseph Yuzedata SAP SC Demo Inspection Template	1 Closed		75%	4 Feb 2025	4 Feb 2025	View report

# Q&A

# Key takeaways

## **Make a start**

It's easier than you think!

## **Modern integrations**

now come with master data mapping and maintenance for the life of the integration, no worrying about breaking or upgrades

## **Identify the low hanging fruit**

Do you already know where the biggest pain point lies?

# The power of frontline operations & integrated data

## Stickiness

**SafetyCulture**

 **YUZEDATA™**

### Frontline mobile workplace operations solution

Improve operational efficiency and safety culture:

- Inspections, audits, and checklists
- Actions and task management
- Training & Sensor management
- Analytics and insights

**WORKPLACE SAFETY**

### Connected data & EHSQ

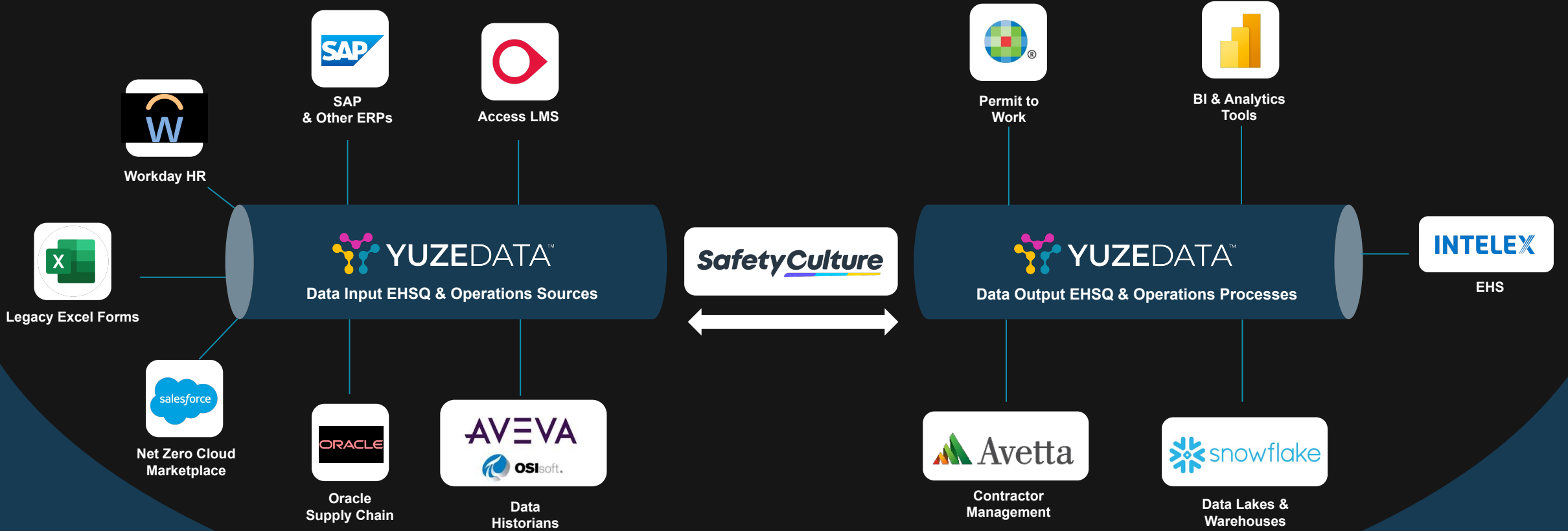
Turn your inspections & operations data into actionable & auditable assets:

- Easily sync asset master data
- Automate asset maintenance notifications for anomalies
- Integrate inspections data back to EHSQ platforms

**CONNECTED DATA**

# YuzeData connected data platform

Creating the EHSQ & sustainability connected data ecosystem



RECOGNIZED BY  
**verdantix**

 Microsoft  
Azure

  
Single Tenant

Scalable, Safe, Secure

  
SOC 2  
TYPE 2  
AICPA SOC

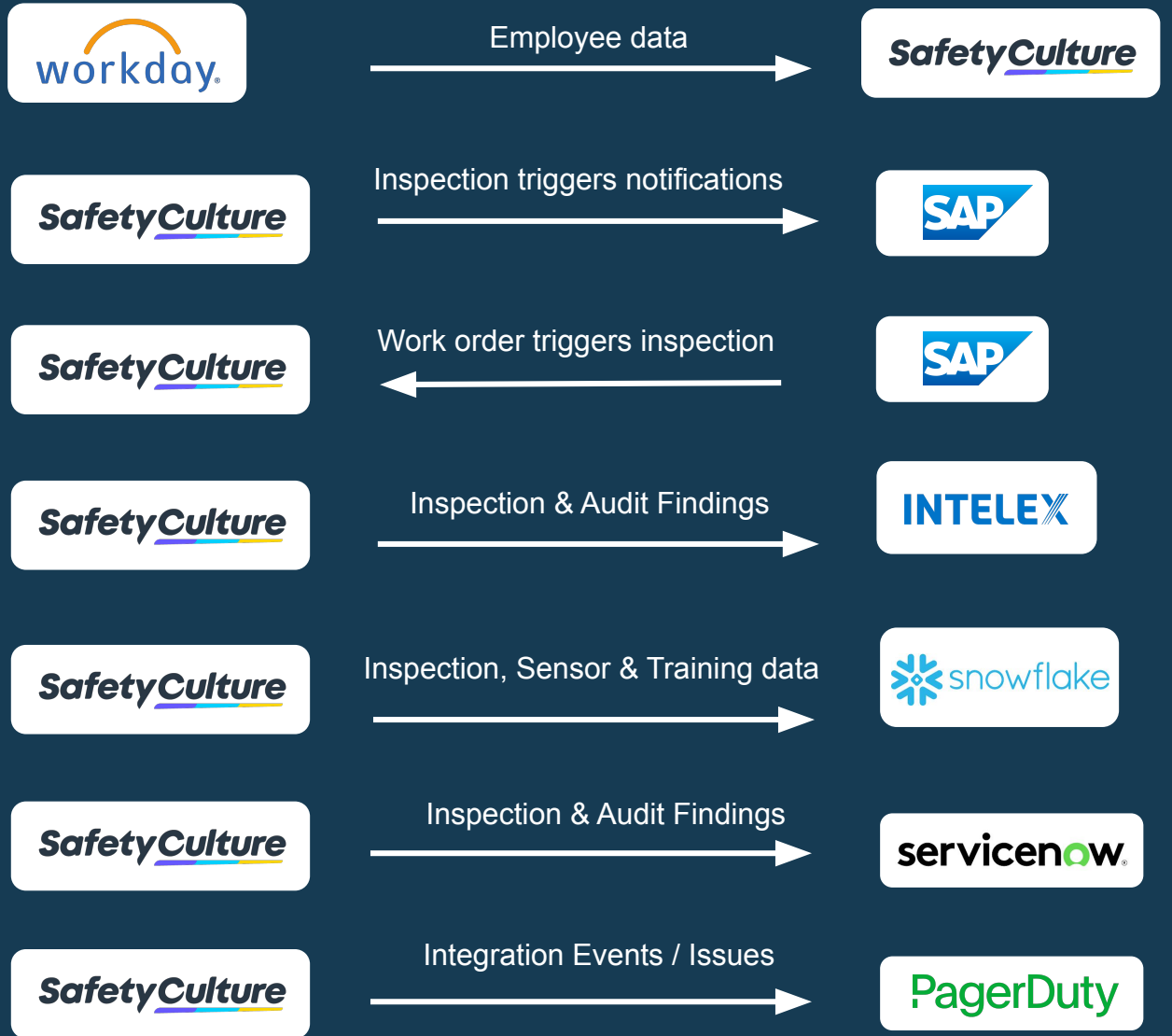
  
ISO  
27001  
CERTIFIED



## Operations & EHSQ integrations

“We’re putting SafetyCulture and SAP to work to enable on-the-go mobile inspections we always wanted but could never get to. We didn’t really go into this thinking YuzeData would solve for that, but it has”

- Future Reference



## Use case 2:

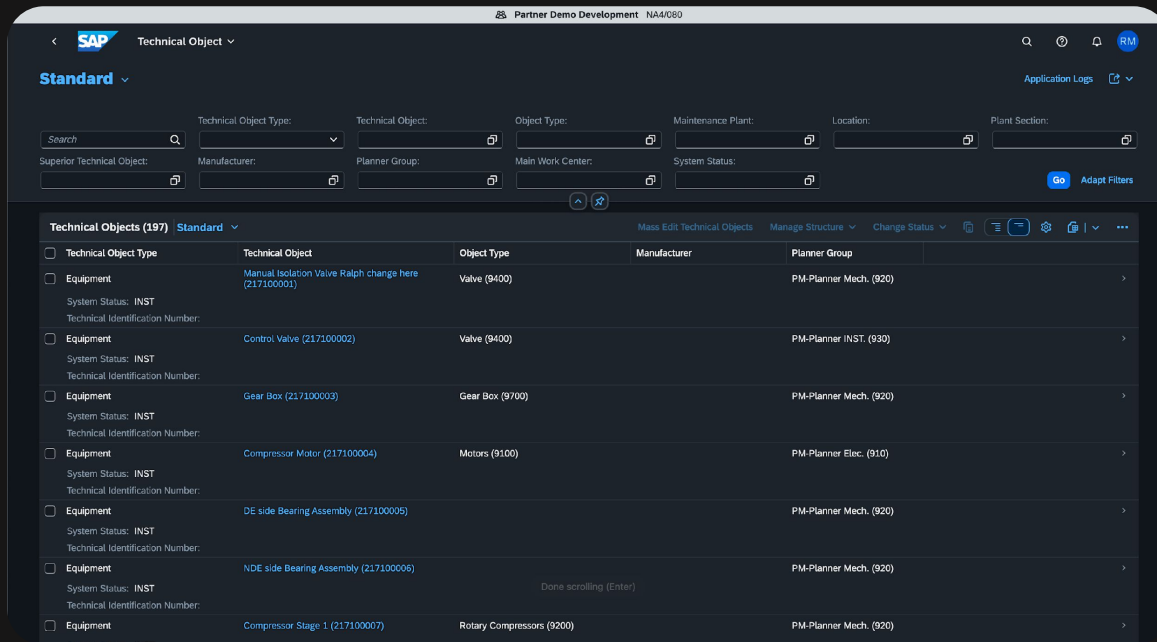
# SafetyCulture integration with SAP S4/HANA asset management

**Challenge:** When different business functions use different tools for inspections in the field it can result in lost admin productivity and inconsistent quality of data collected and rework

**Solution:** Raise SafetyCulture inspections from SAP S4/HANA Maintenance Management to streamline work order completion and inspections

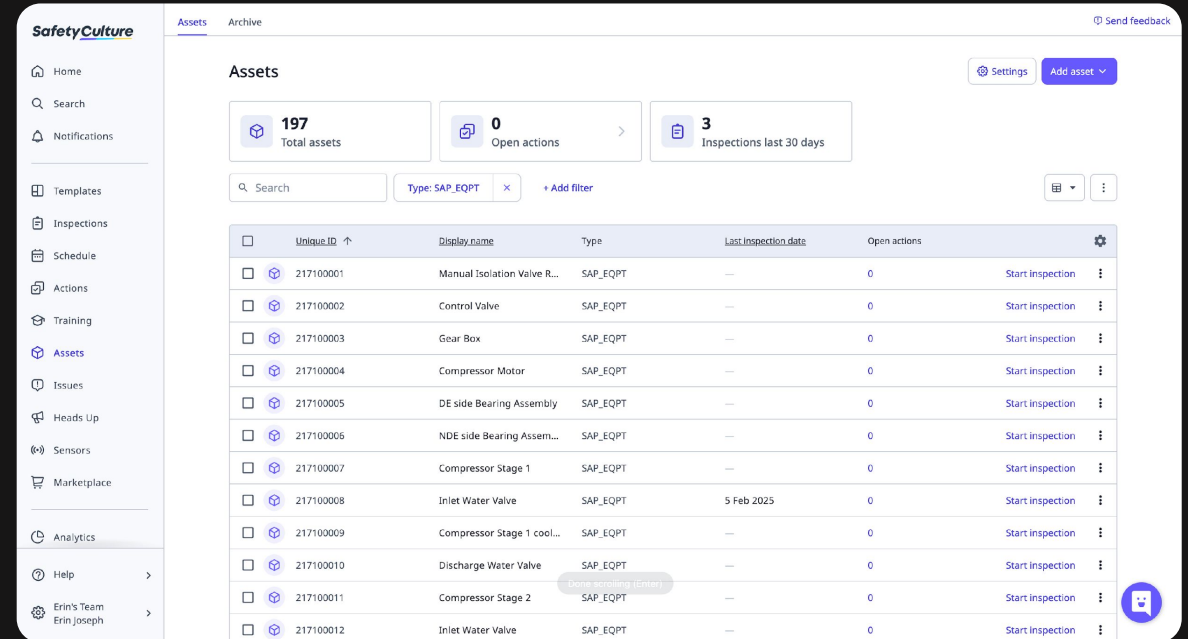


# 1) Master data synchronization from SAP S4/HANA to SafetyCulture



The screenshot shows the SAP S4/HANA 'Technical Object' list. The interface includes a search bar and several filter fields: Technical Object Type, Technical Object, Object Type, Maintenance Plant, Location, Plant Section, Superior Technical Object, Manufacturer, Planner Group, Main Work Center, and System Status. Below the filters, a table displays 197 technical objects. The table columns are: Technical Object Type, Technical Object, Object Type, Manufacturer, and Planner Group. The objects listed include various equipment types such as Manual Isolation Valve, Control Valve, Gear Box, Compressor Motor, DE side Bearing Assembly, NDE side Bearing Assembly, and Compressor Stage 1.

Technical Object Type	Technical Object	Object Type	Manufacturer	Planner Group
Equipment	Manual Isolation Valve Ralph change here (217100001)	Valve (9400)		PM-Planner Mech. (920)
Equipment	Control Valve (217100002)	Valve (9400)		PM-Planner INST. (930)
Equipment	Gear Box (217100003)	Gear Box (9700)		PM-Planner Mech. (920)
Equipment	Compressor Motor (217100004)	Motors (9100)		PM-Planner Elec. (910)
Equipment	DE side Bearing Assembly (217100005)			PM-Planner Mech. (920)
Equipment	NDE side Bearing Assembly (217100006)			PM-Planner Mech. (920)
Equipment	Compressor Stage 1 (217100007)	Rotary Compressors (9200)		PM-Planner Mech. (920)



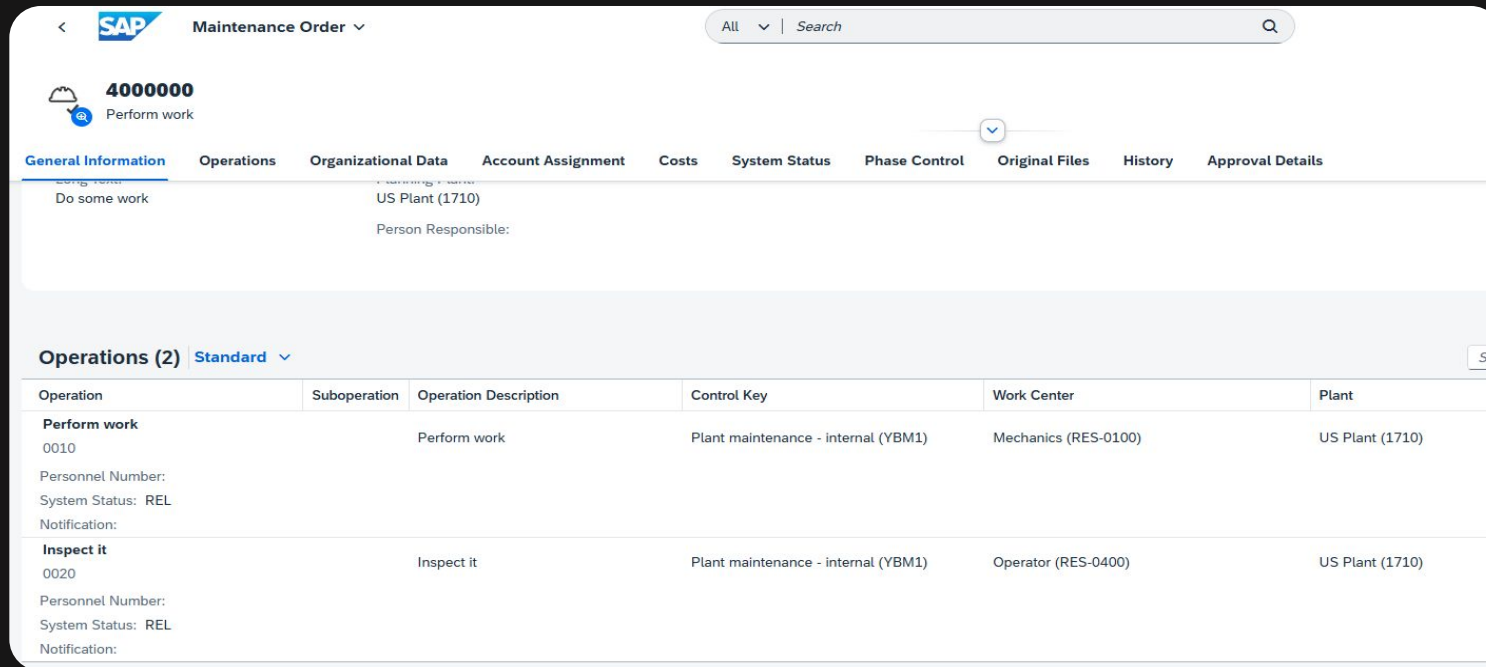
The screenshot shows the SafetyCulture 'Assets' page. The page features a sidebar with navigation options: Home, Search, Notifications, Templates, Inspections, Schedule, Actions, Training, Issues, Heads Up, Sensors, Marketplace, Analytics, Help, and user information (Erin's Team, Erin Joseph). The main content area displays a summary of assets: 197 Total assets, 0 Open actions, and 3 Inspections last 30 days. Below the summary, a table lists the assets with columns: Unique ID, Display name, Type, Last inspection date, and Open actions. The assets listed include Manual Isolation Valve, Control Valve, Gear Box, Compressor Motor, DE side Bearing Assembly, NDE side Bearing Assembly, Compressor Stage 1, Inlet Water Valve, Compressor Stage 1 cool..., Discharge Water Valve, Compressor Stage 2, and Inlet Water Valve.

Unique ID	Display name	Type	Last inspection date	Open actions
217100001	Manual Isolation Valve R...	SAP_EQPT	—	0 Start inspection
217100002	Control Valve	SAP_EQPT	—	0 Start inspection
217100003	Gear Box	SAP_EQPT	—	0 Start inspection
217100004	Compressor Motor	SAP_EQPT	—	0 Start inspection
217100005	DE side Bearing Assembly	SAP_EQPT	—	0 Start inspection
217100006	NDE side Bearing Assem...	SAP_EQPT	—	0 Start inspection
217100007	Compressor Stage 1	SAP_EQPT	—	0 Start inspection
217100008	Inlet Water Valve	SAP_EQPT	5 Feb 2025	0 Start inspection
217100009	Compressor Stage 1 cool...	SAP_EQPT	—	0 Start inspection
217100010	Discharge Water Valve	SAP_EQPT	—	0 Start inspection
217100011	Compressor Stage 2	SAP_EQPT	—	0 Start inspection
217100012	Inlet Water Valve	SAP_EQPT	—	0 Start inspection

# 1) Master data synchronization from SAP S4/HANA to SafetyCulture

The screenshot displays the SafetyCulture user interface. On the left is a navigation sidebar with the following items: Home, Search, Notifications, Templates, Inspections, Schedule, Actions, Training, Assets, Issues, Heads Up, Sensors, Marketplace, Analytics, Help, and Erin's Team (Erin Joseph). The main content area is titled 'Home' and includes a search bar and a '+ Create' button. Below this is a 'Summary' section with three cards: '0 Heads Up', '0 Training', and '0 Issues'. An 'Agenda' section follows, with tabs for 'All', 'Inspections', 'Actions', 'Issues', and 'Training'. The agenda area is currently empty, displaying a calendar icon and the text: 'All clear! Scheduled items and items with due dates that are assigned to you will appear here.' A chat icon is visible in the bottom right corner of the dashboard.

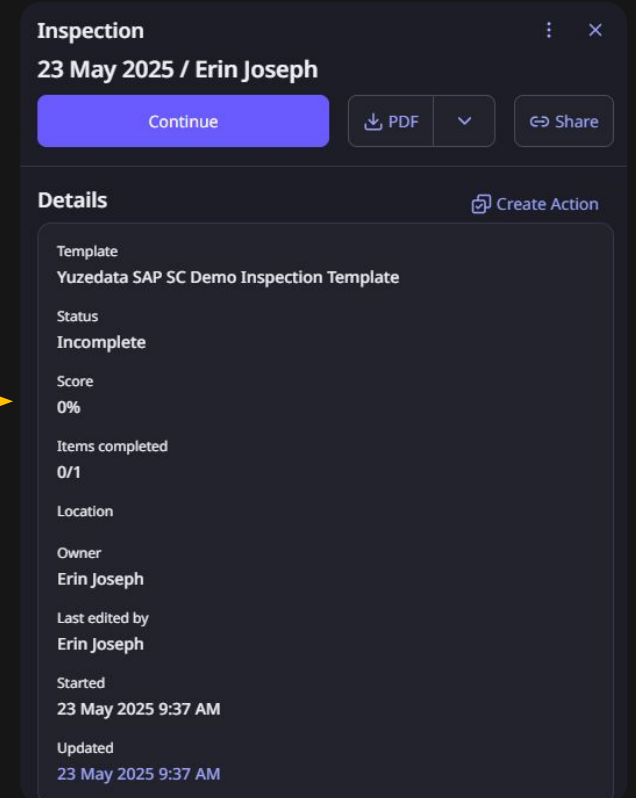
## 2) SAP maintenance order creates **SafetyCulture inspection**



The screenshot shows the SAP Maintenance Order interface for order 4000000. The main description is "Perform work" at "US Plant (1710)". The "Operations" section lists two tasks:

Operation	Suboperation	Operation Description	Control Key	Work Center	Plant
<b>Perform work</b> 0010		Perform work	Plant maintenance - internal (YBM1)	Mechanics (RES-0100)	US Plant (1710)
<b>Inspect it</b> 0020		Inspect it	Plant maintenance - internal (YBM1)	Operator (RES-0400)	US Plant (1710)

A yellow arrow points from the "Inspect it" operation in the SAP table to the SafetyCulture inspection details panel on the right.



The SafetyCulture inspection details panel shows the following information:

- Inspection:** 23 May 2025 / Erin Joseph
- Buttons:** Continue, PDF, Share
- Details:**
  - Template: Yuzedata SAP SC Demo Inspection Template
  - Status: Incomplete
  - Score: 0%
  - Items completed: 0/1
  - Location: (blank)
  - Owner: Erin Joseph
  - Last edited by: Erin Joseph
  - Started: 23 May 2025 9:37 AM
  - Updated: 23 May 2025 9:37 AM

### 3) SafetyCulture inspection **hyperlink added** to SAP maintenance order operation

**Inspection** ⋮ ×

23 May 2025 / Erin Joseph

[Continue](#) [PDF](#) [Share](#)

**Details** [Create Action](#)

Template  
Yuzedata SAP SC Demo Inspection Template

Status  
**Incomplete**

Score  
0%

Items completed  
0/1

Location

Owner  
Erin Joseph

Last edited by  
Erin Joseph

Started  
23 May 2025 9:37 AM

Updated  
23 May 2025 9:37 AM



**SAP** Maintenance Order Operation ⌵ All Search

4000000 / **0020**  
Inspect it - <https://sfty.io/GcoQrggfBTb>

Suboperation: —	Technical Object: <a href="#">Cooling Tower Fan (217100085)</a>	Operation Phase: Preparation	<b>Actual Cost</b>
Execution Stage: MAIN	Order Type: Operational Maintenance (YA04)	Operation Subphase: In Preparation	—
Notification:	Processing Context: Standard Order	Active Phase Controls: 0	
	External Processing: No external processing		

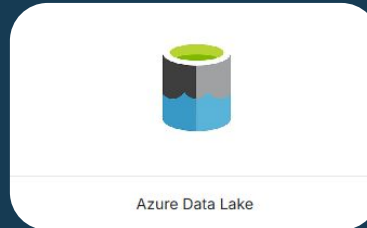
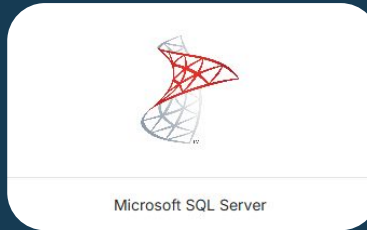
[General Information](#) [Requirements](#) [External Data](#) [Planned Dates and Times](#) [Material](#) [Production Resources/Tools](#) [Sys](#)

Long Text: —	Order Type: Operational Maintenance (YA04)	Assembly: —
	Technical Object: <a href="#">Cooling Tower Fan (217100085)</a>	Notification: —



Connect SafetyCulture with enterprise data warehouses, data lakes, reporting and business intelligence tools to ensure that inspection findings, anomalies and actions on key risk areas (e.g. EHS, Production, Quality, Environment), as well as course completions, can easily be incorporated into corporate and functional leading indicator reports, dashboards and action plans.

## Data warehousing integration **use cases**

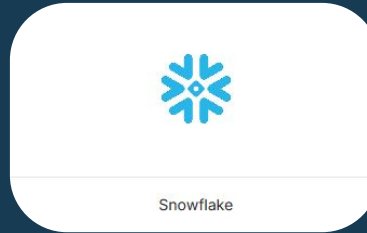


- Completed inspections
- Anomalies/Findings
- Re-inspection data
- Corrective actions
- Training course completions

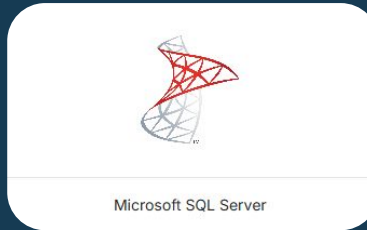


- ✓ Manual time saved in rekeying data or writing data migrations and imports between systems – tailored inspection data can be set to integrate on a schedule
- ✓ Leading indicator data from inspections is available alongside lagging indicators often found in data warehouses
- ✓ Reporting on inspections at scale, combined with other auditing data, can be delivered from business intelligence tools on the data warehouse

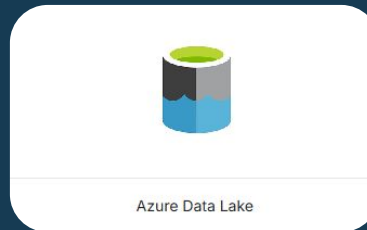
## Data warehousing integration **benefits**



Snowflake



Microsoft SQL Server



Azure Data Lake



Databricks



Completed inspections  
Anomalies/Findings  
Re-inspection data  
Corrective actions  
Training course completions

# Join the SC Community

Share ideas and keep the conversation going!

