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CASE STUDY

STORA ENSO: IMPROVING PREVENTIVE MAINTENANCE DATA QUALITY WITH DATA360 ANALYZE AND AUTOMATE STUDIO

Introduction – Stora Enso

Stora Enso is a leading provider of renewable products in packaging, biomaterials, wooden construction, and paper. With operations across multiple countries, the company relies heavily on SAP Plant Maintenance to manage its equipment and ensure smooth production.

Background

Stora Enso has used Automate Studio (formerly Winshuttle) since 2015 to streamline SAP mass data uploads and changes. Despite Studio's strengths, they struggled with fragmented, inconsistent, and outdated maintenance data built up over decades. Adding Data360 Analyze gave them the ability to efficiently move, analyze, compare, and correct SAP data at scale—transforming the accuracy and reliability of preventive maintenance data.

INDUSTRY

Renewable materials, packaging, biomaterials, wooden construction, and paper

CHALLENGES:

- Unclear instructions
- Scattered service data
- Outdated spare part structures
- Inconsistent location names

SAP MODULE

Plant Maintenance

Challenges and Solutions

Challenge 1: Preventive Maintenance Instructions

Over the years, thousands of maintenance instructions have been written by different people in different ways. Some were detailed, some vague, and others used different terminology altogether. This meant that employees carrying out the same task could interpret the instructions differently, leading to confusion, mistakes, and wasted time.

Business challenge:

The system contained over 16,000 active maintenance items, many of which relied on long texts that were difficult to access and compare through SAP. Without a way to mass-review and standardize them, instructions were inconsistent and hard to follow, causing miscommunication, rework, and inefficiencies.

Solution:

With **Data360 Analyze**, all instructions could be extracted, compared, and standardized in bulk. Inconsistencies were quickly identified, and **Automate Studio** was then used to reload the cleaned instructions into SAP.

Outcome:

The maintenance team now has clear, uniform instructions that everyone can trust. This reduced misinterpretations, cut down on rework, and saved significant time in preparing and executing preventive maintenance tasks.

SUMMARY OF RESULTS FOR STORA ENSO

- Cleaner data
- Faster access
- Fewer errors
- More efficient maintenance
- Ready for S/4HANA

BENEFITS

- Time Savings
- Reduced Risk
- Stronger Governance
- Improved Efficiency
- Future Proof Data

SAP TRANSACTIONS

SE16, IP02, IL03, IE03, IB03, – now simplified with Data360 Analyze and Automate Studio

Challenge 2: Functional Locations

There were tens of thousands of functional locations recorded in SAP, but they weren't always named in the same way. Some used English, some Finnish, and some contained errors. This made it harder for teams to find the right location, and it also caused reporting issues.

Business challenge:

At one plant alone, there were about 80,000 functional locations. Roughly 8% of the names were inconsistent, and the data was fragmented across multiple SAP tables. This made it time-consuming to retrieve and validate data, while also creating problems in reporting, audits, and day-to-day planning.

Solution:

Data360 Analyze was used to consolidate location data, check it against naming rules, and highlight inconsistencies. Corrections were prepared in Data360 Analyze and reloaded into SAP with **Automate Studio.**

Outcome:

The organization gained standardized, reliable functional location data. This improved reporting accuracy, simplified audits, and allowed maintenance teams to work more efficiently without wasting time interpreting or correcting inconsistent information.

Challenge 3: Equipment Spare Part Structures

For many older machines, the spare part lists were incomplete or out of date. This made it difficult to know which parts were needed for repairs or whether they were in stock, often leading to delays and unnecessary costs.

Business challenge:

SAP's spare part structures for older equipment were unreliable. Missing or outdated data made maintenance planning and inventory management inefficient. On top of that, SAP had no standard report to extract or review this data, leaving end users without a practical way to analyze it.

Solution:

Data360 Analyze enabled large-scale queries across SAP tables, allowing the customer to review spare part structures comprehensively and identify bad data. Once the issues were found, **Automate Studio** was used to correct and reload the updated data into SAP.

Outcome:

Maintenance teams now have accurate spare part information at their fingertips. This reduced unnecessary costs, improved spare part planning, and helped ensure maintenance tasks could be completed without delays.

Summary

By combining Data360 Analyze and Automate Studio, the customer created an end-to-end data management process that turned fragmented, inconsistent information into clean, reliable, and standardized data.

- **Data360 Analyze** provided the power to extract, analyze, and detect anomalies.
- **Automate Studio** ensured safe, large-scale updates and reloading into SAP.

The result was improved reporting, faster maintenance planning, reduced errors, and greater confidence in the system overall—delivering both efficiency and safety benefits across the organization.