

Feb 27, 2022

SAP Integrity and Automation Solutions

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Index

Section 01

Introduction and Project Background

- Brief overview of the project
- Objectives and goals
- Why we did the project

Section 02

Investigation and Issue Checking

- Steps on how we looked into the issue
- Data consistency and integration checks
- Simulation check

Section 03

Process Improvements

- How we optimised it
- Process on how the improvement were made

Section 04

Results and Review

- Key outcomes and achievements
- Summary of checks performed
- Found checks to review

Section 05

Impact on Campari

- How it can affect Campari as a whole
- Importance of consistent data (IBP)
- Next steps for the Italy team

Section 06

Accessibility

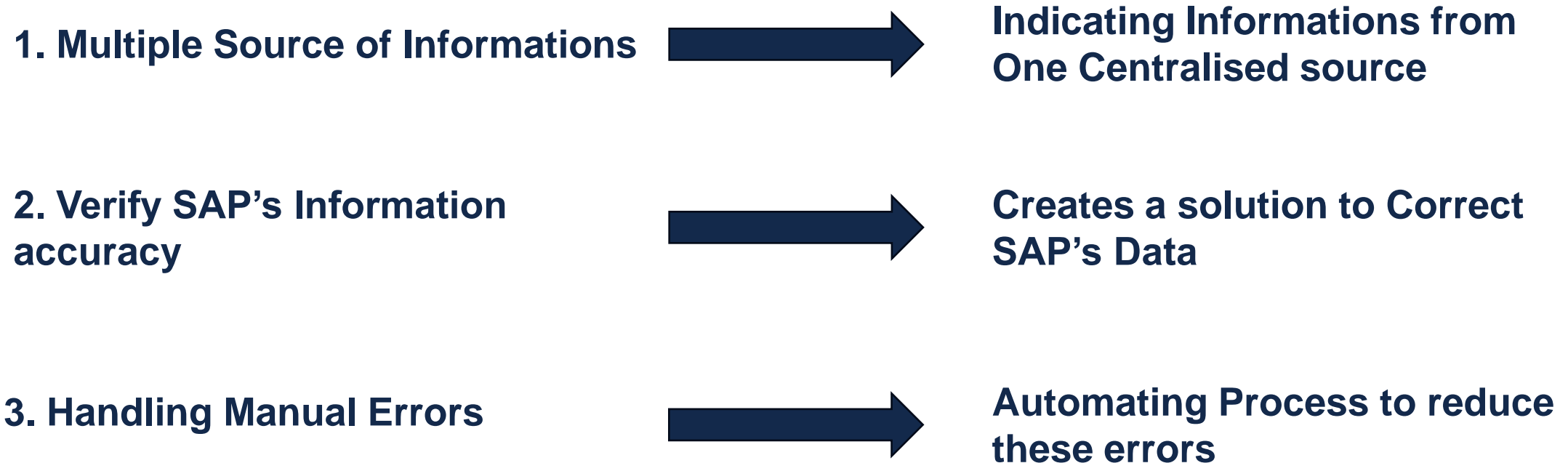
- How to access and use the Automations



Introduction and Project Background

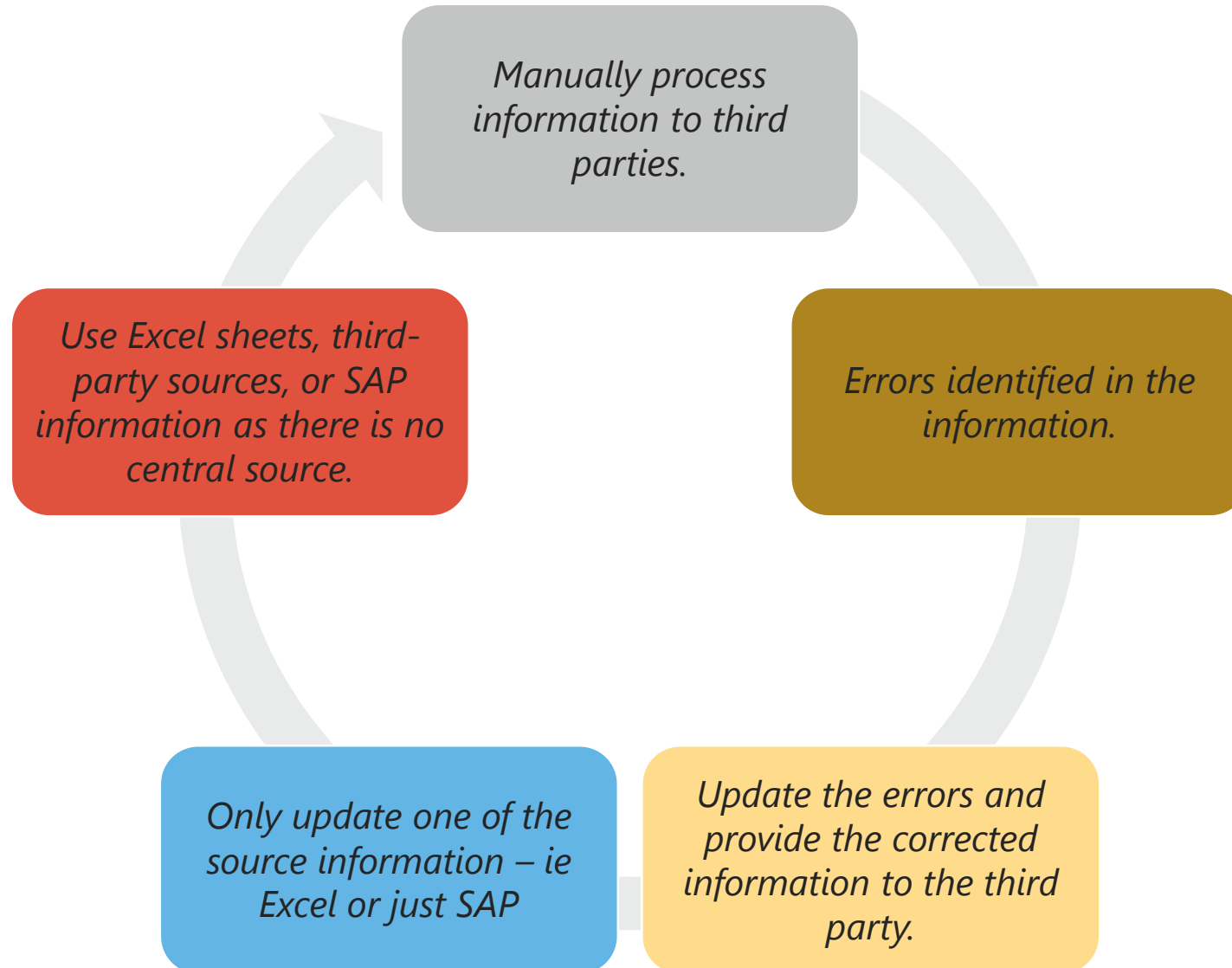
Introduction and Project Background

The project aimed to address manual processing errors by verifying and correcting SAP data, centralising information sources, and reducing manual tasks to improve system efficiency.



Investigation and Issue Checking

Current Situation for Supply Chain



Tackling the Issue

To address the current situation, we needed a comprehensive plan to tackle the root causes of the errors.

As a solution, I proposed two key actions



SAP INTEGRITY CHECK

1. Implementing an automated script to regularly check the integrity of SAP data.



AUTOMATION FORMS

2. Developing a program to extract data from SAP and generate the forms we provide to our third-party partners.

Process and Improvements

Proposal Solutions

Solution 1 – Using Power BI

Advantages:

Can create an dynamic connection between Power BI and SAP

Disadvantages:

Need to create the Pipeline to connect the two databases which add costs

Solution 2 – Using Python and its Libraries

Advantages:
Fast process and easy implementation

Disadvantages:

Campari's security policies restrict the use of internal documents, such as CSV files, with Python libraries.

Solution 3 – Extracting to Excel and Using Power Automation

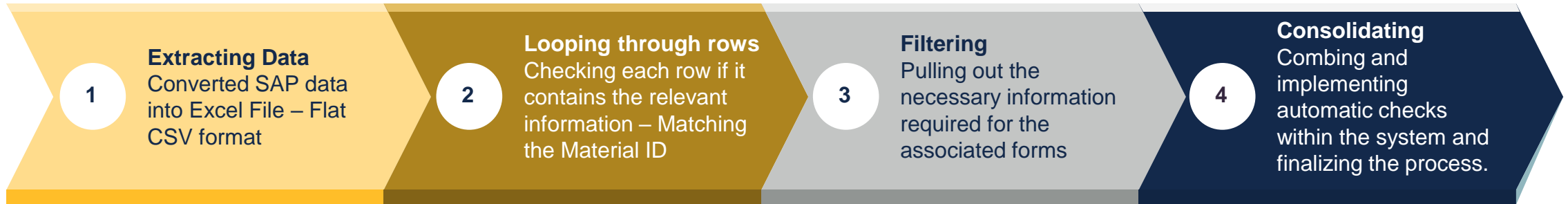
Advantages:
Campari's security policies permit the use of Excel files with Power Automate.

Disadvantages:
Editing, testing, and debugging processes are time-consuming. The overall speed of execution is slower.

Best Approach was Solution 3

Implementation process

How it was approached

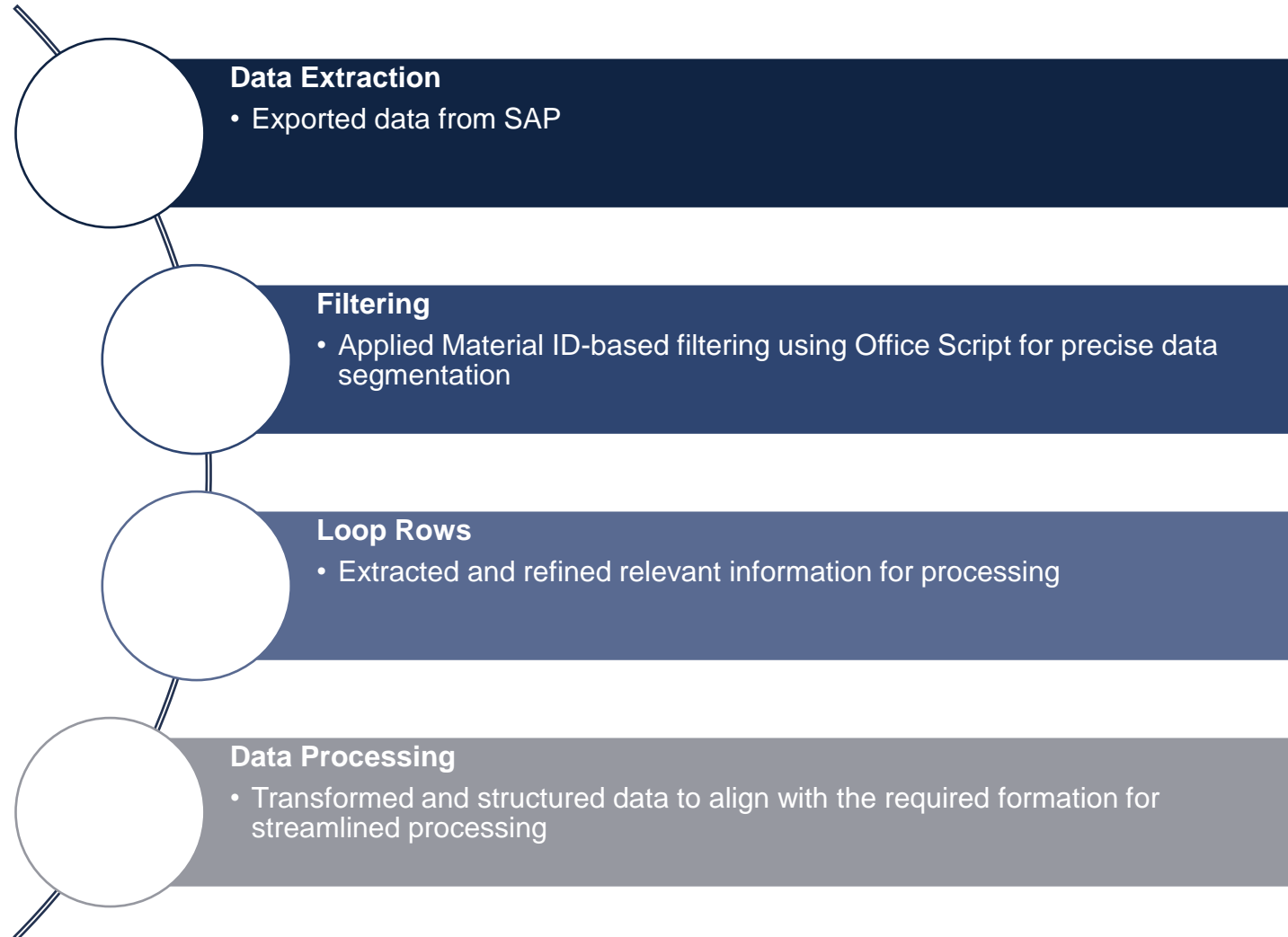


Technology Used:

- Power Automation
- Office Script on Excel

Processing time: 30 minutes

Optimising process

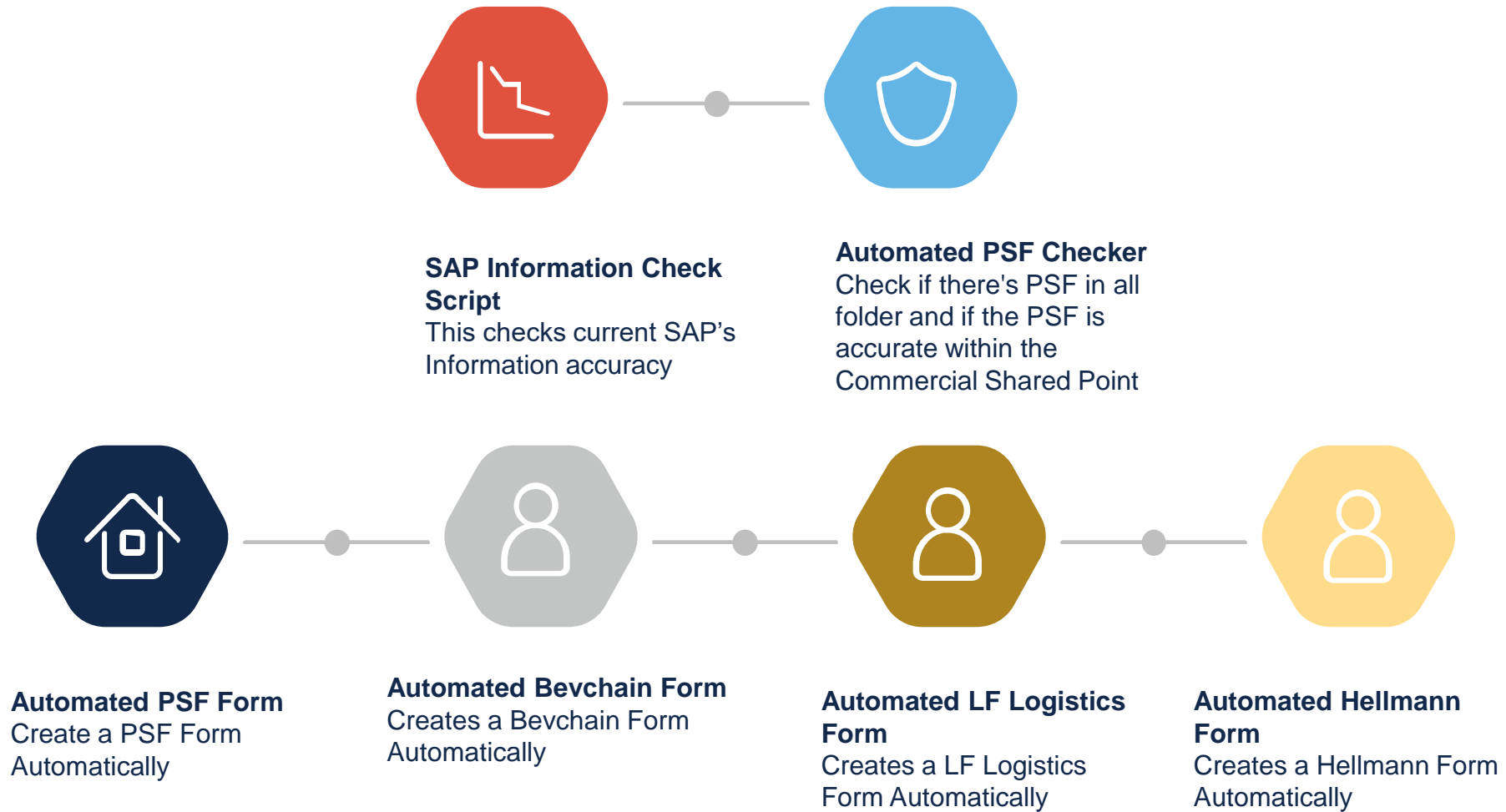


**Implementing Office Script
filtering cut processing time by
83%**

**This improvement was due to
Power Automate's slower
performance when looping
through Excel sheets**

Results And Review

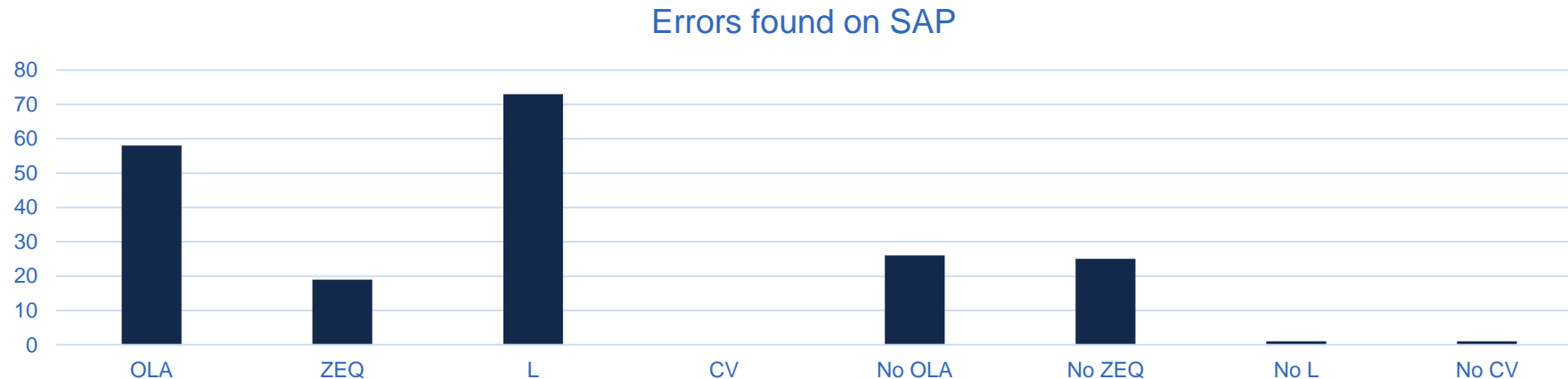
Automated Solutions



Impact on Campari

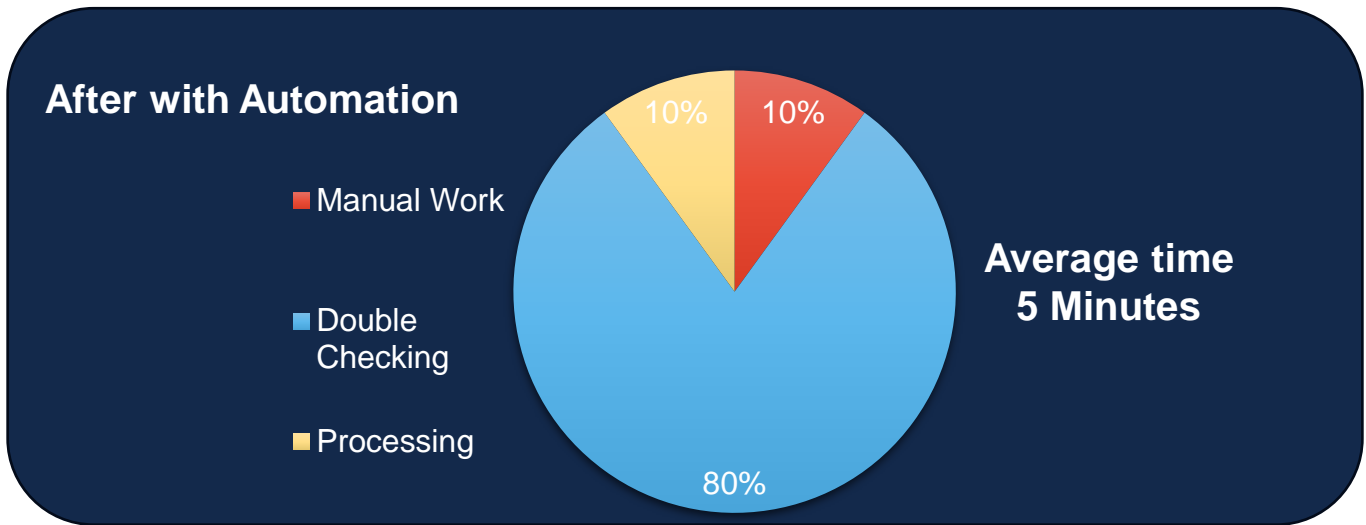
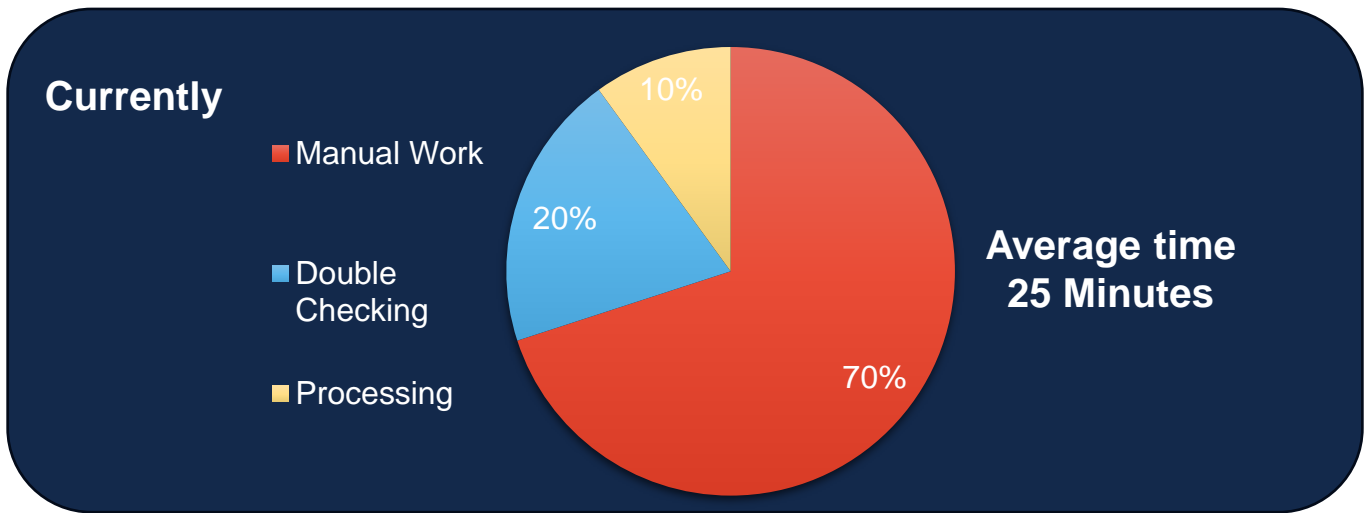
Data Accuracy on SAP

Through testing, we identified several concerning errors in our conversion table and data input on SAP. The primary concern was missing information rather than incorrect data. However, due to conversion measurements based on U.S. standards, some measurement conversions were inaccurate and needed to be corrected.



This Checks, verifies and shows an alternative measurement of what it should be in format of CSV, so it can be easily given to IT so that they can mass change it for us.

Impact of the Automation Process



Manual Work

Processing Information from SAP and third parties by clicking on to each material one at a time

Double Checking with other sources

Checking with past materials to see if theres anything wrong or difference

Processing

This includes sending out to our third parties

Impact

The biggest impact of the automation is that it shifts the focus from manual work to double-checking, reducing the overall processing time by 80%.

Overall Impacts

This automation that creates PSF and third parties forms along with automatically checking data integrity on SAP can significantly benefit Campari in several ways



Efficiency

Automating these processes reduces the time and effort required to manually create forms and check data integrity. This allows your team to focus on more strategic tasks.



Accuracy

Automated data integrity checks ensure that the information in SAP is accurate and consistent, reducing the risk of errors that could lead to costly mistakes.



Consistency

By standardising the creation of forms, your automation ensures that all forms are consistent in format and content, which can improve compliance and reduce confusion.



Scalability

Automation can handle large volumes of data and forms, making it easier to scale operations as Campari grows. Single source of truth to reduce errors.



Cost Saving

Reducing manual labor and minimizing errors can lead to significant cost savings over time.

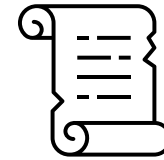
Automation Accessibility

How to access the automation

Please click on the Icon below to access the scripts and automations

SAP Information Check

This is an Office Script



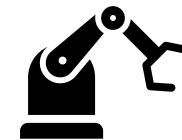
Automated PSF Checker

This is an Python Code that checks the shared folders



**Automated Forms
(PSF and third party forms)**

Has a respective forms for each type of Form in APAC Master Data that creates a list



Form Links



To look at the Documentation
of the Automation, Click on the
icon

TOASTING TOASTING
LIFE LIFE
GETTING TOGETHER

Thank you

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