Deloitte.

**GTS Next Generation Solutions
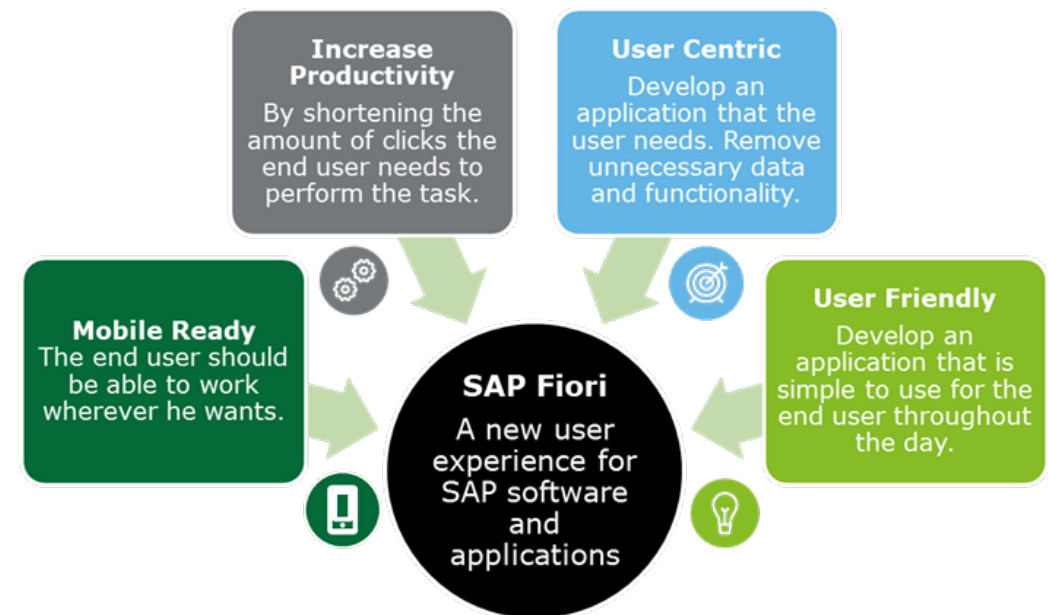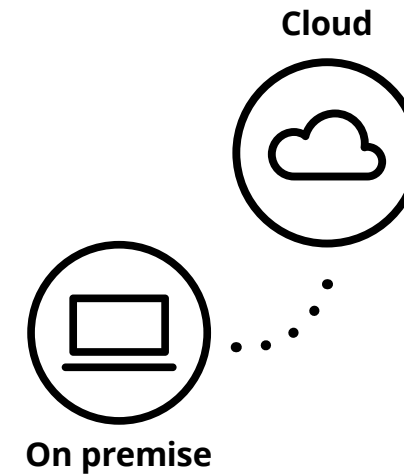with Deloitte COE**

Fiori applications

The Deloitte GTS CoE developed own **GTS based Fiori Apps**, replacing and combining GTS-transactions but also leveraging additional content.
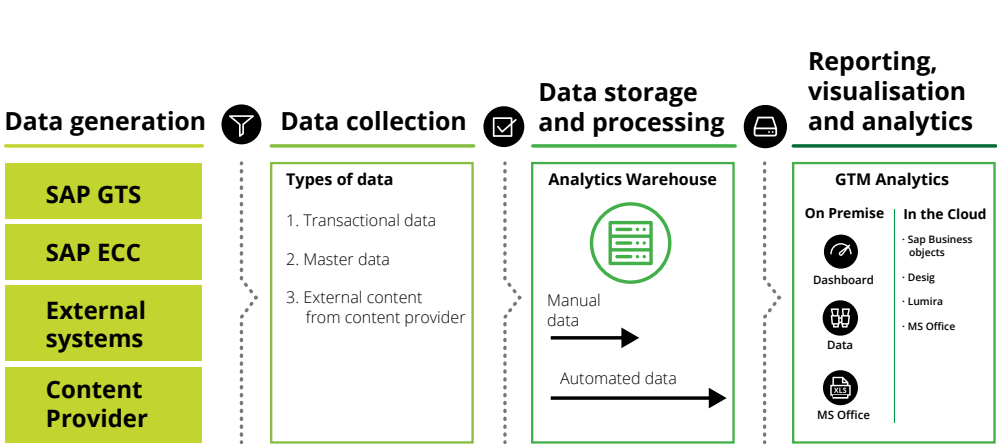
Examples include:
- Releasing blocked business partners (for SPL screening)
- Releasing blocked transactions (replacing 6 transactions codes to display/release documents)
- Classifying Products (both customs & compliance classification and reporting functions)
- Classification Help (Guidance by identifying potential dual use items via questionaires)

Next to the on *premise* solution Deloitte offers a *software-as-a-service "SaaS"* model for launching Fiori applications on your SAP GTS system. In this model, Deloitte makes the Fiori apps that the client wants to purchase available for download via the Deloitte SAP Cloud Platform. The Apps can be downloaded to the Fiori launch path and deployed. Deloitte releases yearly updates of the apps that are downloaded, installed and tested by the client.

Cloud

On premise

Increase Productivity
By shortening the amount of clicks the end user needs to perform the task.

User Centric
Develop an application that the user needs. Remove unnecessary data and functionality.

Mobile Ready
The end user should be able to work wherever he wants.

SAP Fiori
A new user experience for SAP software and applications

User Friendly
Develop an application that is simple to use for the end user throughout the day.

Global Trade Management Analytics

Global Trade Management Analytics provides more than dashboards reporting on past events, KPIs and numbers. Predictive Analytics, using 'what if' scenarios, helps spotting trade opportunities in sourcing your goods by leveraging Trade Agreements. Global Trade Analytics combines content of your GTS data, giving insight to trade flows. Deloitte helps you by leveraging our GTM Analytics tool, which has the flexibility to integrate, by means of pre-configured data extractors, with several back-end systems storing relevant global trade data. The tool enables data load from external content providers (such as country-specific duty rates) in order to facilitate global trade analysis. In addition, reporting can be done through scalable dashboards and self-service analytics through the integration with Lumira and MS Office (Excel).

Data generation

| SAP GTS |
| SAP ECC |
| External systems |
| Content Provider |

Data collection

Types of data

1. Transactional data
2. Master data
3. External content from content provider

Data storage and processing

Analytics Warehouse

Manual data

Automated data

Reporting, visualisation and analytics

GTM Analytics

On Premise	In the Cloud
Dashboard	· Sap Business objects
Data	· Desig
MS Office	· Lumira
	· MS Office

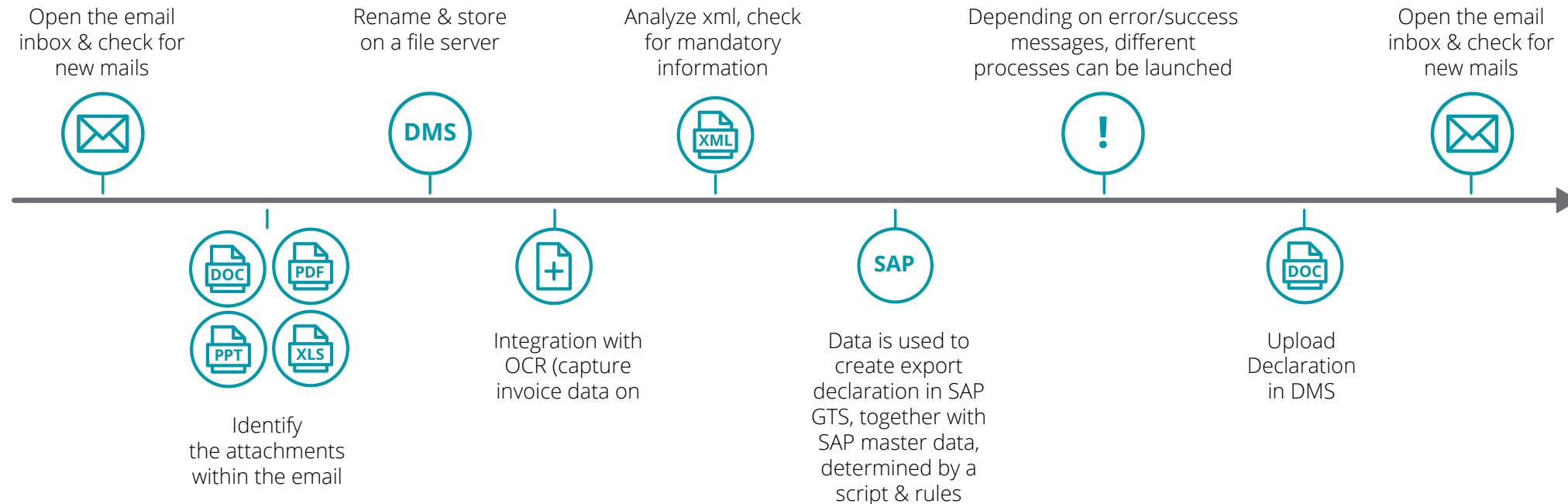**The pre-defined and customisable dashboards allow companies to:**

- Visualise and analyse all their collected data
- Use scalable dashboards in order to provide appropriate KPIs
- Measure and monitor global trade performance
- Use Advanced analytics to identify opportunities

RPA (Robotics Process Automation)

Robotics Process Automation is used in GTS to efficiently execute rule-based repeatable processes with limited human intervention. These repetitive tasks can include opening mails & attachments, moving files to folders, copy pasting data elements, filling in forms, scraping web based data, making calculations, following if/then rules and much more. In the GTS context, RPA can be used to create import/export declarations based on attachments in mailboxes, where the robot can identify & extract relevant attachments and use OCR to read PDFs and structure the data. This data is used to fill out import/export declarations and/or store the attachments in their correct locations under a predefined naming convention. Deloitte GTS CoE brings together experts on GTS & RPA side to identify & implement these processes, specifically for your needs
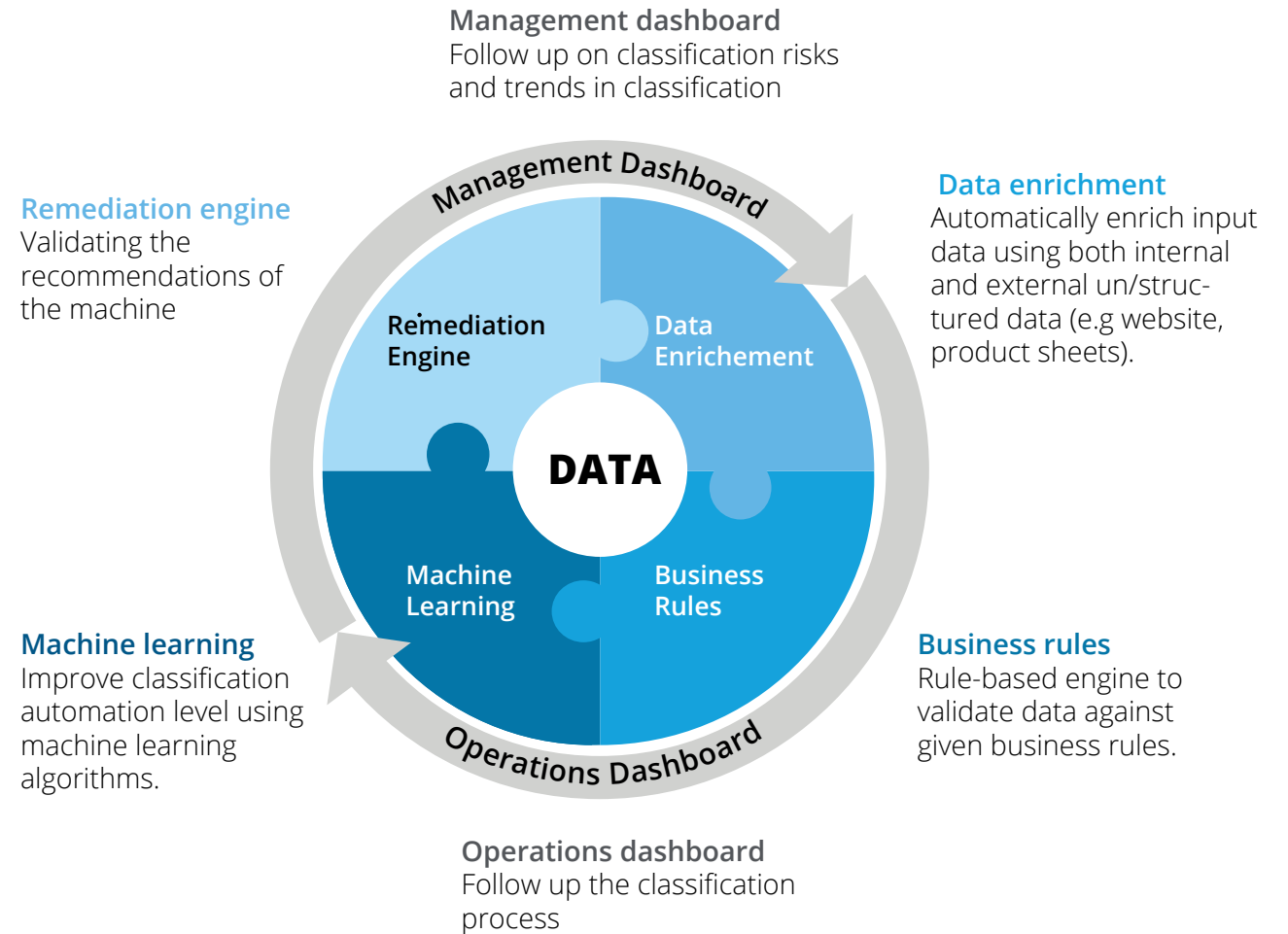
Example:
Creation of GTS export declaration from invoice in e-mail

Open the email inbox & check for new mails

Rename & store on a file server

Analyze xml, check for mandatory information

Depending on error/success messages, different processes can be launched

Open the email inbox & check for new mails

DMS

XML

!

Identify the attachments within the email

Integration with OCR (capture invoice data on

Data is used to create export declaration in SAP GTS, together with SAP master data, determined by a script & rules

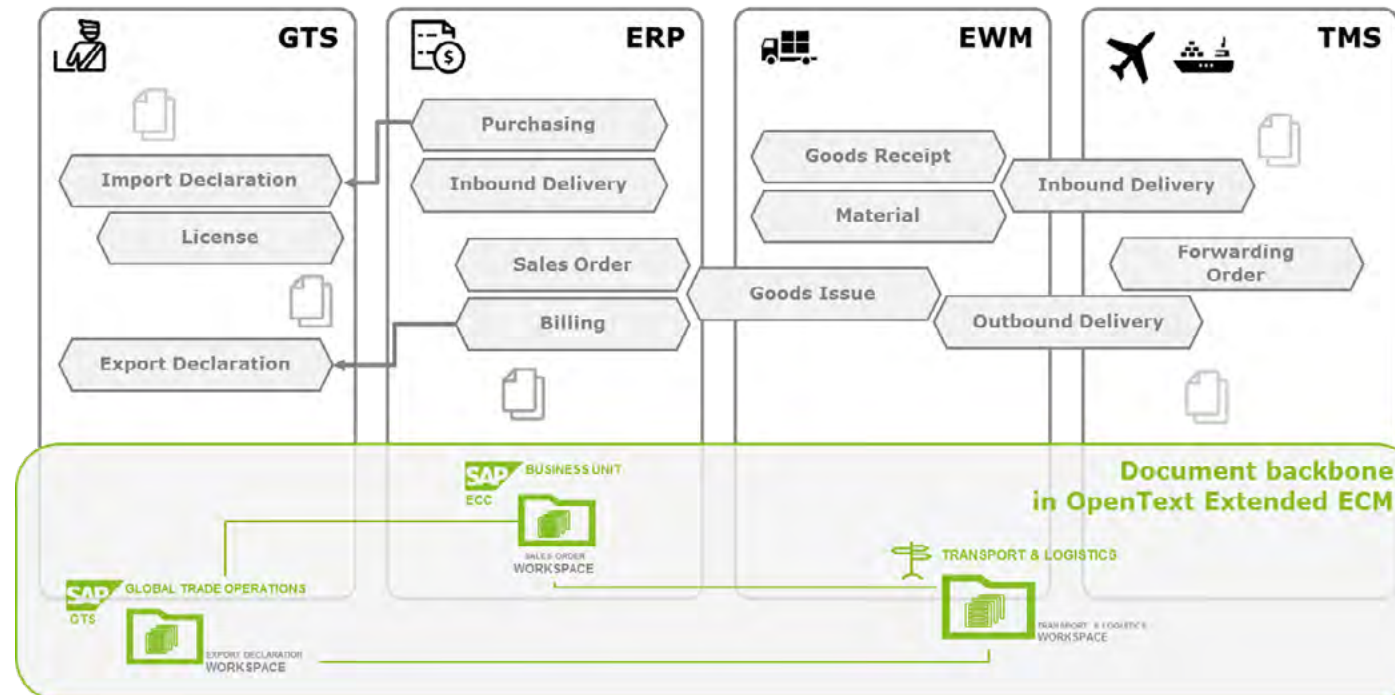Upload Declaration in DMS

Machine Learning

Artificial Intelligence is a hot topic. Also concerning global trade, applications can be found to leverage Machine Learning in combination with Robotics and other technologies to build tools that can resolve complex business requirements. Deloitte supports in creating new tools to automate labor intensive but even content intensive tasks. An example can be the product HS & export control classification for businesses with a high number of material masters, while human resources are limited, unexperienced and prone to errors. The tool can learn how engineers/ experts classify & will detect trends and rules based on the input, enriched by data sourced through RPA from multiple possible sources, like GTS, S/4, internet, intranet, etc... Using this 'basis', it will derive a degree of certainty allowing it to classify automatically or recommend certain classification codes to the user. Every input given by validation during remediation will give the model further information allowing it to learn & get to know the product range. Furthermore, Deloitte Risk Services can assist to ensure the relevant controls are included in the design to certify & maintain the solution.

Management dashboard
Follow up on classification risks and trends in classification

Remediation engine
Validating the recommendations of the machine

Data enrichment
Automatically enrich input data using both internal and external un/struc-tured data (e.g website, product sheets).

Machine learning
Improve classification automation level using machine learning algorithms.

Business rules
Rule-based engine to validate data against given business rules.

Operations dashboard
Follow up the classification process

Document Management using xECM

Document Management Systems, using xECM, allows to reduce paper-based or SAP database storage, save time by having central access to all documents and increase performance due to automatic capturing, storage, archiving and on top allowing simple reporting on completeness. The system is user friendly and can cover all documents in the full logistics flow, integrated for example with SAP GTS, the ERP instance, EWM systems & Transport Management systems and others, minimizing data replication and have secure Customs & Compliance documentation stored for potential audits.

The Deloitte GTS CoE works together with the Deloitte OpenText CoE in Belgium to deliver solutions fitted to your tools & processes.

New technologies and a more dynamic global trade bring up new questions and issues. The GTS CoE leverages its extensive and experienced network to answer your important questions or issues and offer innovative solutions to support your business!

The GTS CoE

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