



# ROBOTIC PROCESS AUTOMATION



## MCKINSEY GLOBAL INSTITUTE ESTIMATIONS

69% of data processing, and  
64% of data-collection activities could  
feasibly be automated in any  
Supply Chain management Organisation





## RPA IS..

Robotic process automation (RPA) is bots to automate repetitive and rule-based tasks.

Supply chain management (SCM) is a complex process involving multiple stakeholders, including suppliers, manufacturers, distributors, and retailers.

There are several problems that can arise in the SCM process, and RPA (Robotic Process Automation) can help solve many of these problems.

In this presentation, we present some of the most common problems in SCM and potential solutions, along with how RPA can help.

# SUPPLY CHAIN MANAGEMENT

## LACK OF VISIBILITY & TRANSPARENCY

### CHALLENGES

One of the biggest challenges in SCM is the lack of visibility and transparency in the supply chain. This can lead to delays, stockouts, and excess inventory.

### SOLUTION

Implementing advanced supply chain technologies like IoT, blockchain, and AI can help increase visibility and transparency in the supply chain.

This can provide real-time insights into inventory levels, shipping status, and other critical data points.

RPA can help collect and analyze data from various sources, provide real-time insights, and automate data entry and reporting tasks.

# SUPPLY CHAIN MANAGEMENT

## POOR INVENTORY MANAGEMENT

### CHALLENGES

Inefficient inventory management can lead to stockouts, overstocking, and wasted resources.

### SOLUTION

Implementing an inventory management system can help optimize inventory levels and reduce waste.

Using predictive analytics can help forecast demand and adjust inventory levels accordingly.

RPA can help automate data entry, inventory tracking, and reporting tasks, reducing the chances of errors and delays

# SUPPLY CHAIN MANAGEMENT

## INEFFICIENT TRANSPORT MANAGEMENT

### CHALLENGES

Transportation is a critical component of SCM, but inefficient transportation management can lead to delays, increased costs, and decreased customer satisfaction.

### SOLUTION

Implementing transportation management software can help optimize transportation routes, reduce fuel costs, and improve delivery times.

RPA can help automate tasks like data entry, routing, and tracking, reducing the chances of errors and delays.

# SUPPLY CHAIN MANAGEMENT

## LACK OF COLLABORATION

### CHALLENGES

Collaboration is key in SCM, but silos and lack of coordination between different departments and partners can lead to delays, miscommunication, and lost opportunities.

### SOLUTION

Implementing collaboration tools and fostering a culture of collaboration can help improve communication and coordination between different departments and partners.

RPA can help automate tasks like data entry and reporting, freeing up employees to focus on collaboration and decision-making tasks.

# SUPPLY CHAIN MANAGEMENT

## QUALITY CONTROL ISSUES

### CHALLENGES

Quality control issues can lead to product recalls, waste, and loss of reputation.

### SOLUTION

Implementing a quality management system and conducting regular quality control checks can help identify and address quality control issues early on.

RPA can help automate tasks like data entry and analysis, reducing the chances of errors and delays.



# SUPPLY CHAIN MANAGEMENT

## COST

## MANAGEMENT

### CHALLENGES

SCM can be expensive, and inefficient cost management can lead to higher costs and decreased profitability.

### SOLUTION

Implementing cost management strategies like lean manufacturing, just-in-time inventory, and optimizing transportation routes can help reduce costs and improve profitability.

RPA can help automate tasks like data entry, analysis, and reporting, reducing the chances of errors and delays

# SUPPLY CHAIN MANAGEMENT

## LACK OF FLEXIBILITY

### CHALLENGES

The supply chain can be unpredictable, and lack of flexibility can lead to delays, lost opportunities, and decreased customer satisfaction.

### SOLUTION

Implementing flexible supply chain strategies like agile manufacturing, real-time inventory management, and dynamic transportation routing can help improve flexibility and adaptability.

RPA can help automate tasks like data entry, analysis, and reporting, freeing up employees to focus on more strategic tasks like planning and decision-making.

PROCESS WHERE RPA CAN ENHANCE  
IN SUPPLY CHAIN MANAGEMENT





Automatically track and manage shipments in transit

Automate the process of scheduling and managing deliveries

Streamline the process of managing returns and exchanges

Automate the process of generating bills of lading for shipments

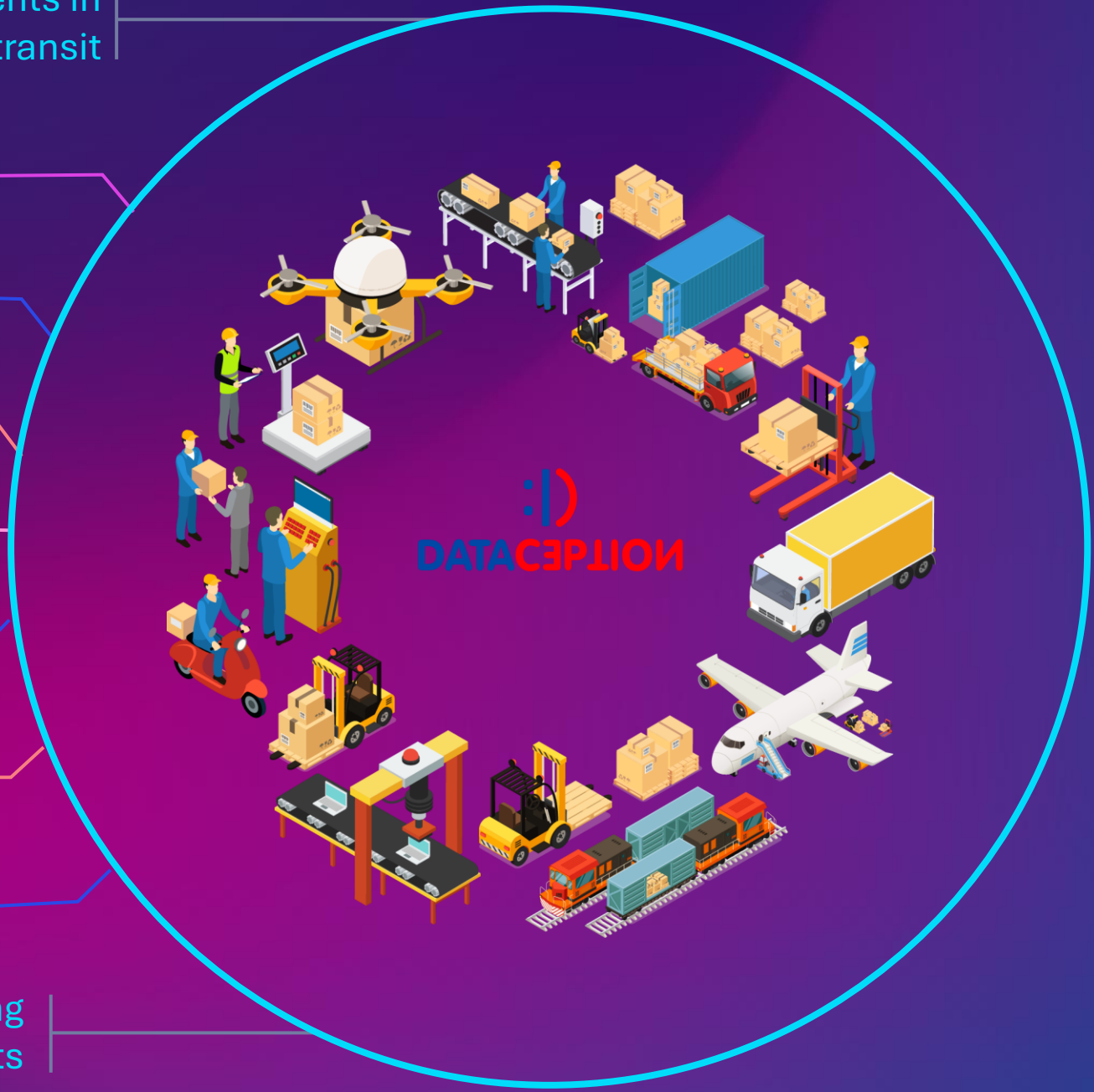
Automatically detect and flag discrepancies in shipments

Automate the process of updating customer order statuses

Automate the process of generating shipping labels

Streamline the process of managing supply chain contracts

Automate the process of managing supplier payments













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