

Automating E-Way Bill Generation for a Manufacturing Company - Using RPA

In the rapidly evolving manufacturing industry, efficient logistics and compliance with regulatory requirements are crucial. Our client, an auto ancillary company supplying products to automotive OEMs across India, faced significant challenges in manually generating E-Way bills for their shipments. The Indian government's mandate for E-Way bills for every shipment added to the complexity. This case study explores how our RPA solution automated the E-Way bill generation process, enhancing efficiency and accuracy.

Company Overview

The client is a top auto ancillary company supplying products to automotive OEMs in India.

The company offers safe, efficient, and affordable solutions for transportation and machinery.

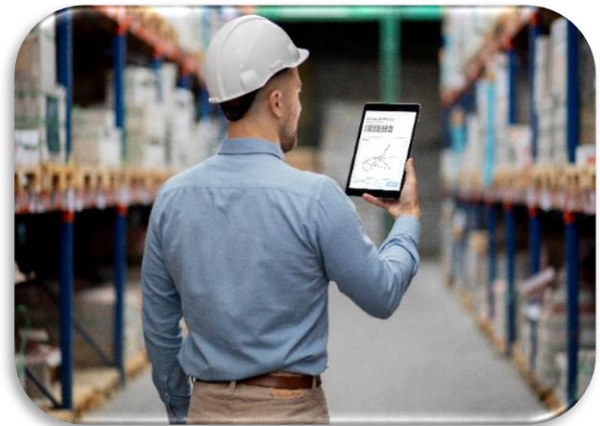
Currently employs around 200,000 people in 56 countries and markets.

Business Environment

Customer uses (ERP) systems like SAP to manage and integrate business processes

Uses of data analytics, AI, and IoT to optimize manufacturing

Customer uses PlaxidityX to protect their vehicles from cyber-attacks



CHALLENGES



E-Way bill input was tedious and error-prone



Manual E-Way bill generation caused delays.



Manual processes faced scalability challenges during peaks.

SOLUTIONS



RPA bots extracted data, eliminating manual entry.



Automation enabled real-time processing, speeding up E-Way bill generation.



RPA bots scaled easily to ensure smooth operations during peaks.

IMPACT



Achieved a reduction in errors by over 31%



Reduced costs related to the ASN process by more than 24%.



The BoT executes ASN entry tasks in 1/12th the time required by a human

Case Study | E-way Bill Automation

AUTOMATING E-WAY BILL GENERATION

The client is a leading auto ancillary company that ships products to various automotive OEMs in India. They use Infor ERP to manage their operations. The manual generation of E-Way bills on the government portal was time-consuming and prone to errors, leading to delays and compliance issues.

INITIAL CHALLENGES:

- **Manual Data Entry:** Entering invoice details, transporter info, and vehicle numbers into the E-Way bill portal was tedious and error-prone.
- **Time Sensitivity:** Timely E-Way bill generation was essential to prevent supply chain delays, but manual processing caused frequent holdups.
- **Scalability Issues:** Manual processes couldn't handle workload fluctuations, causing scalability issues during peak times.

CHOOSING THE RIGHT SOLUTION AND MEETING THE DEADLINES

Our RPA solution addressed these challenges effectively:

- **Automated Data Extraction:** RPA bots extracted data from invoices, ERP systems, and transport documents, eliminating manual data entry.
- **Real-time Processing:** The automation enabled real-time processing, reducing the time taken to generate E-Way bills and improving overall efficiency.
- **Scalable Solution:** RPA bots could be easily scaled up or down based on workload requirements, ensuring smooth operations even during peak periods.



Our RPA Bots Implementation Performed the Following Activities:

- **Data Extraction:** Extracted structured data from the ERP system.
- **Data Transformation:** Transformed the extracted data as required by the E-Way bill portal.
- **Portal Login:** Logged into the government E-Way bill portal with user credentials.
- **Data Upload:** Uploaded invoice and transport data to the E-Way bill portal.
- **Notifications:** Notified stakeholders via email upon task completion and generated reports.

RESULTS / BENIFITS

The implementation of RPA for E-Way bill generation resulted in significant improvements:

- **Increased Efficiency:** The time taken to generate E-Way bills was reduced by 70%.
- **Enhanced Accuracy:** The risk of human error was minimized, ensuring compliance with regulatory requirements.
- **Scalability:** The solution could handle peak periods without additional human resources.
- **Cost Savings:** Reduced manual labor and improved process efficiency led to substantial cost savings.