

A manufacturing conglomerate streamlined MIS reporting by deploying Robotic Process Automation

The Organisation

One of India's largest business conglomerate with diversification across manufacturing, real estate, financial services and white goods. Our project association was with one of the manufacturing division.

Challenge

The company's team generated dozens of MIS by accessing multiple systems for supporting the daily production planning process. This process was mission critical and hence has to be carried out daily in a timely manner with utmost accuracy. The MIS generation activity was carried out manually which involved pulling of information from multiple sources and massaging large data which meant there was a possibility of error. In case of unavailability of any personnel, completing MIS generation became a big challenge necessitating maintaining back-up resources. In case of employee churn, training new employees on the process was a challenge. Further, MIS generation tasks were monotonous and unexciting posing a challenge of maintaining employee motivation. Managing process documentation and change management involved incurring cost overheads.

Solution

Customized solution was required to create multiple MIS Reports with 100% accuracy and timeliness. The client engaged RSutra to leverage a reputed RPA solution for generating MIS reports. Our designed solution leveraged RPA capabilities like Web Automation, operating legacy systems in conjunction with Excel & Email Automation, calling macros, merging files and checking exceptions in outputs.

A Software Robot, which helps in **preparing MIS and forwarding** to operations team for enabling daily production planning

Benefits accrued

- Significant man-hours saved annually
- ~100% accuracy in processing & output
- Timely processing without missing a day
- Reports available on a click
- Sends final output on Email to very large no of end users
- Realignment of FTEs to more critical tasks

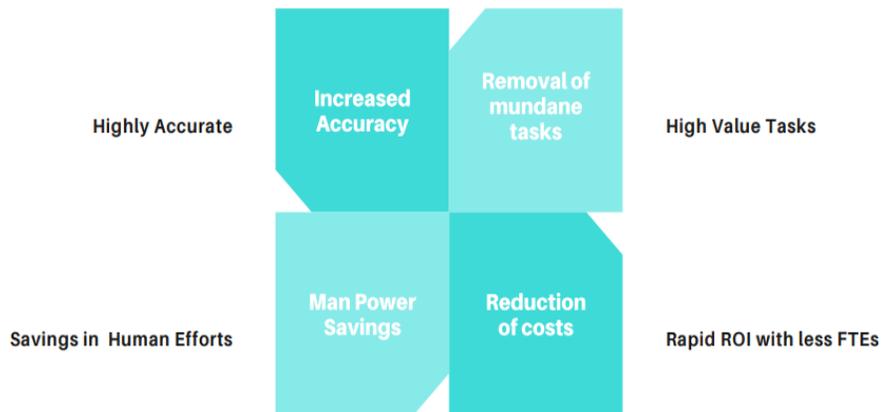
The deployed software robot automated client's MIS report generation by automating following steps:

- Logging into the ERP and other legacy systems
- Downloading multiple data files by raising queries
- Massaging downloaded data and applying business logic
- Creating the MIS reports post data quality validations in predefined templates
- Performing several layers of final quality checks & sending the approved MIS reports to end users via e-mail

The software robot accessed the ERP and other systems at pre-scheduled times of the day, processed the data and e-mailed MIS to production planning team. The reports included fields which changed based on business logics which changed from time to time. Keeping this in mind, we programmed the robot that supported dynamic rather than static logic.

Benefits

The solution automated the entire MIS generation process, eliminating the risks of errors and missing processing deadlines. Rapid ROI was achieved through saving of significant FTEs and availability of the reports on a single click.



Adhoc reporting was made much easier as software robots were able to reduce the execution time by ~30% and with 100% accuracy.

Results

The organization partially automated their production planning activities and freed up the time of resources to focus on analyzing plans and improving planning with the aim of enhancing productivity. The smoothened planning process allowed the company to deploy an agile and efficient supply chain which responded to the changes in material availability and customer orders.

About RSutra Analytics & Consulting

RSutra Analytics & Consulting offers services in Data Science, Artificial Intelligence, Machine Learning, Advanced Analytics, Big Data, Robotic Process Automation, Geographical Information Systems and Cloud-based technologies

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Solution Highlights

- A leading RPA to carry web and other automation
- Connection to the client's Satellite Systems for data transactions
- Excel automation to incorporate logic related and data checks
- Operation of enterprise email system
- Automation triggered at pre-define time and frequency
- Solution eliminated high-volume, and error-prone manual tasks