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## **RPA** **in EC&O Industry**

# RPA ALLOWS EC&O INDUSTRY REACH NEWER HEIGHTS

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## Simplifying Complexities with SAP iRPA

The EC&O industry performs tasks like designing, planning and construction engineering projects. These projects mostly deal with large funds and there is no space for any error or miscalculations. Performing all the steps manually and checking every process takes a lot of time, leaving behind deadlines or provide poor quality results.

To improve these conditions a significant amount of automation is required and SAP iRPA is the solution to this problem. Major tasks which don't require much innovation or logic can be done using automation and improve speed of the project.





## CASES WHERE SAP IRPA HELPED ENGINEERING, CONSTRUCTION, AND OPERATIONS JOBS

- An engineering and deconstruction company performs tasks that involve a lot of calculations and accurate decision making. The projects are often done on a fixed budget from which the company had to make their profits. If there are any errors or delays it results in making the company not meet the deadlines. Having to pay all the extra workers for an extended period reduced the overall profits.

To change such conditions, they integrated SAP iRPA with their construction and automated major processes in this way. Automation of processes that does not require human interference also reduced their overhead costs and increased their profits.

- A construction company was struggling to finish jobs on a tight deadline and provide a satisfactory result. The main reasons for the delay were unwanted errors and non-uniform human labor. A lot of tasks like critical calculations, data entry and project analysis are processes that can be taken care of by automated systems.

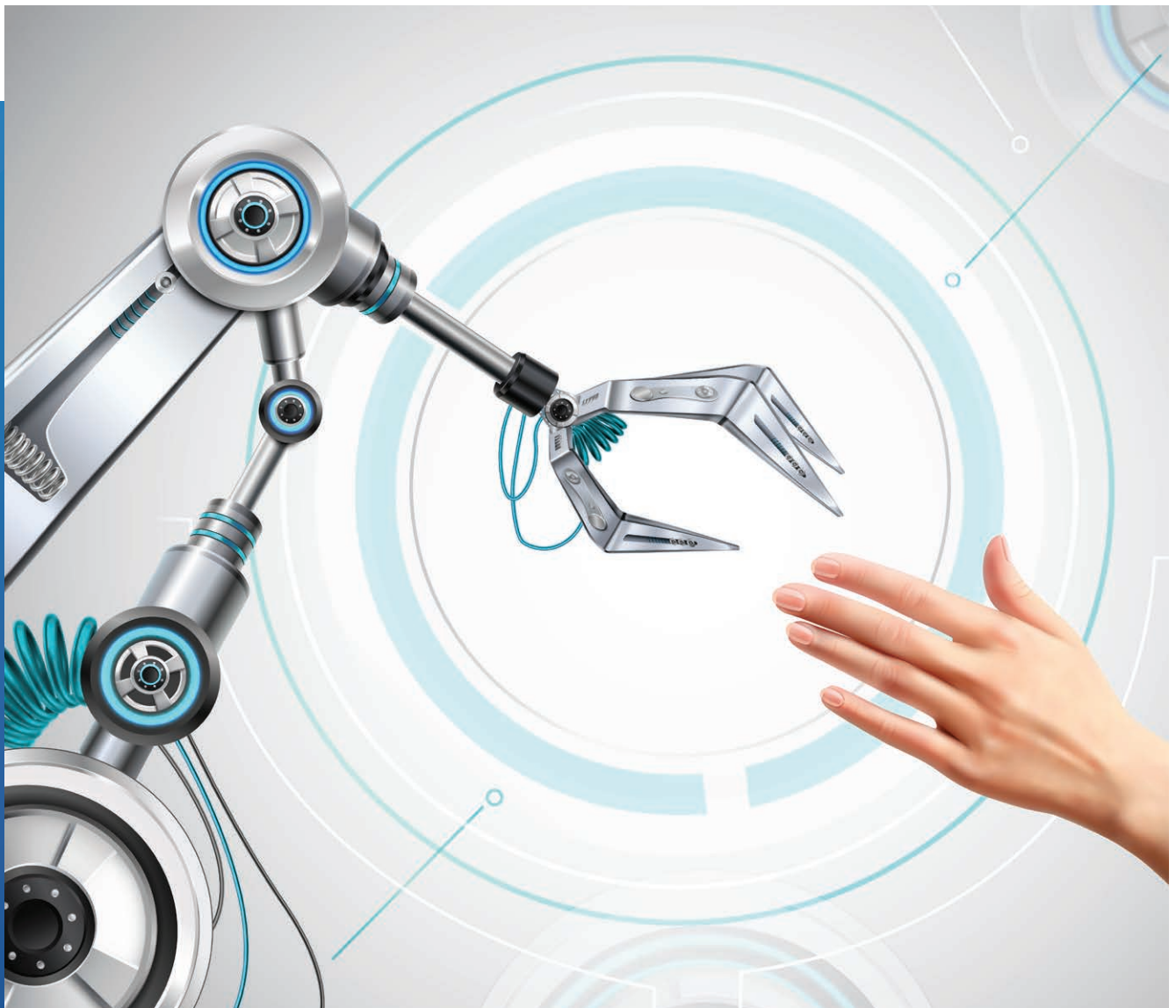
Software like SAP iRPA helped them in automating mechanical processes and getting rid of unwanted human labor. As a result of smart machines, the amount of errors decreased drastically and the entire operation was carried out smoothly.

- An engineering operations company was facing problems while trying to improve the efficiency of the processes. Trying to finish within deadlines they were struggling to maintain the quality. This was leading to a tarnished reputation of the brand and this was solved by integration SAP iRPA to the existing processes. This helped by taking over major complicated processes and automating them so that minimal or no human intervention was required. Having this full scale automation process also helps in reducing errors and delays from the process while delivering high level tasks.



# ADVANTAGES OF AUTOMATED EC&O PROCEDURES

- **Faster completion:** There are a lot of complicated processes that have to be taken care of while performing an engineering and construction job. Having automated systems is of great benefit as it increases the operational speeds.
- **Smooth job completion:** Having critical and time-consuming processes automated ensures that the tasks can be finished quicker and a smooth workflow will be maintained.
- **Improved efficiency:** Engineering and construction tasks are very critical and there is higher probability that there will be human errors in the system. This level of automation ensures that such errors do not occur and the output is of satisfactory quality.





# EC&O Company Meets Deadlines Efficiently with SAP iRPA

## CASE STUDY:1

### ABOUT CUSTOMER

Our customer, a multinational EC&O company, was having problems meeting deadlines efficiently. They were getting big projects and their processes were well aligned but they were always exceeding the deadline. Upon further analysis they realized that the problem was due to lack of proper automation in the company. A large number of employees were focusing on tasks that could be very easily done by automated systems.

### PROJECT HIGHLIGHTS

- Improved operational efficiency
- Reduced manual labour leads to cost savings
- Automated systems will remain valid for a long time securing future projects as well
- Less number of errors allows faster completion of projects

### THE RESOLUTION

SAP iRPA helped the company in making lesser mistakes and completing projects in the least possible time. This helps the company in meeting deadlines effectively and improve profit margins.

### KEY BENEFITS

- Projects are properly finished by deadlines

- More automation leads to reduction in error
- Automation has allowed the employees to focus more on doing productive tasks rather than mechanical jobs that can be easily automated
- Automated systems can work anytime without rest, so there are no unwanted delays

### TOP BENEFITS

- Profits increased by 1.43 times
- Unwanted delays reduced by 66%
- 70% of all the tasks were automated

### PRE RPA-STATE

- The company was unable to meet deadlines
- Quality of task done was poor due to a lot of errors

### KEY CHALLENGES

- Identifying tasks that can be easily automated
- Using more labour in conducting productive tasks and automating remaining processes

### ACHIEVEMENTS

- Brand image improved as the company was able to deliver tasks properly
- The quality of the delivered projects was above the industry standard



# SAP iRPA ensures a Smooth Job Completion for Construction Company

## CASE STUDY:2

### ABOUT CUSTOMER

A construction company was unable to keep up the quality of a project due to large amounts of delays and human errors in the manufacturing process. Most of the errors were being overlooked and it was affecting the final result. To solve this the company wanted to automate those tasks that don't require much knowledge and can be done mechanically. So, they used SAP iRPA along with the existing infrastructure to automate tasks like data entry, accounts managing, risk calculation and all other analytical tasks.

### PROJECT HIGHLIGHTS

- Improve the efficiency of the system
- Reduce chances of any error or delays in the system

### THE RESOLUTION

The company was able to reduce the problems of unwanted delays and errors from the system. Due to automation of the projects they were also able to submit the tasks within the stipulated time frame and this positively affected the brand image.

### KEY BENEFITS

- The process efficiency has increased

- A lot of tasks that were earlier done by manual labour is done by SAP iRPA
- Reduced costs as a large number of labours were replaced by the automated system

### TOP BENEFITS

- Productivity increased by 54%
- Overhead costs reduced by 35%
- Decision making speed increased by 33%

### PRE RPA-STATE

- Expensive manual labour did most of the data entry and other mechanical tasks
- Projects always crossed deadlines and the overall profits decreases

### KEY CHALLENGES

- Increasing profit margins by replacing costly labour with automated systems
- Future proofing automated solutions to help in upcoming projects as well addressing them properly

### ACHIEVEMENTS

- They were again getting projects as they were known for providing quality works
- Delays and human errors were eliminated





# Engineering Company Reduces Overhead Costs with SAP iRPA

## CASE STUDY:3

### ABOUT CUSTOMER

Our client was a big engineering company who caters to customers related to the construction industry. They were facing problems in completing projects and tasks within the deadlines. They were not willing to hire more employees to speed up the processes as they were already suffering from losses. To solve this, they needed a solution to automate the processes and the only way to do that was by integrating SAP iRPA with the existing processes.

### PROJECT HIGHLIGHTS

- Using SAP iRPA to reduce overhead costs
- Automating tasks that is taking up a lot of man hours
- Eliminating error and delays from the system to deliver projects on time

### THE RESOLUTION

The company was able to automate a large part of analytical and mechanical processes. This also allowed the company to give up unwanted human resources, thus reducing the overhead losses drastically.

### KEY BENEFITS

- Reduced overhead costs
- Understanding tasks that can be automated using the SAP iRPA software

- Laying off employees whose job can be easily automated

### TOP BENEFITS

- Efficiency increased by 34%
- Productivity increased by 41%
- Profit margins increased by 35%

### PRE RPA-STATE

- Lot of money was expended on labourers whose task could be easily automated
- No availability of such automation software
- More number of people were focused on non-productive tasks like data entry and checking for errors

### KEY CHALLENGES

- Replacing the labourers with the automated system effectively
- Understanding the places where human intervention is required
- Identifying employees who will be beneficial for the company and retaining them

### ACHIEVEMENTS

- Project delivery within deadlines
- Increased profit margins
- Brand image restored



## CONCLUSION

EC&O companies consist of various important tasks that are related to planning, designing and managing high budget projects. They also have to perform a lot of tasks that involve a lot of intricate calculations and the company cannot afford to commit any mistakes.

This is why using automation in all these labour intensive tasks that can be easily automated is beneficial and the process will end up being very simplified and error free. Automated software is also able to work a lot more hours than any human and with its high level of productivity it can become the more profitable option for a company.

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