ROBOTIC PROCESS AUTOMATION (RPA)

NOW IS THE TIME TO BE FUTURE READY...

Rraysoft
ladder to cyber world
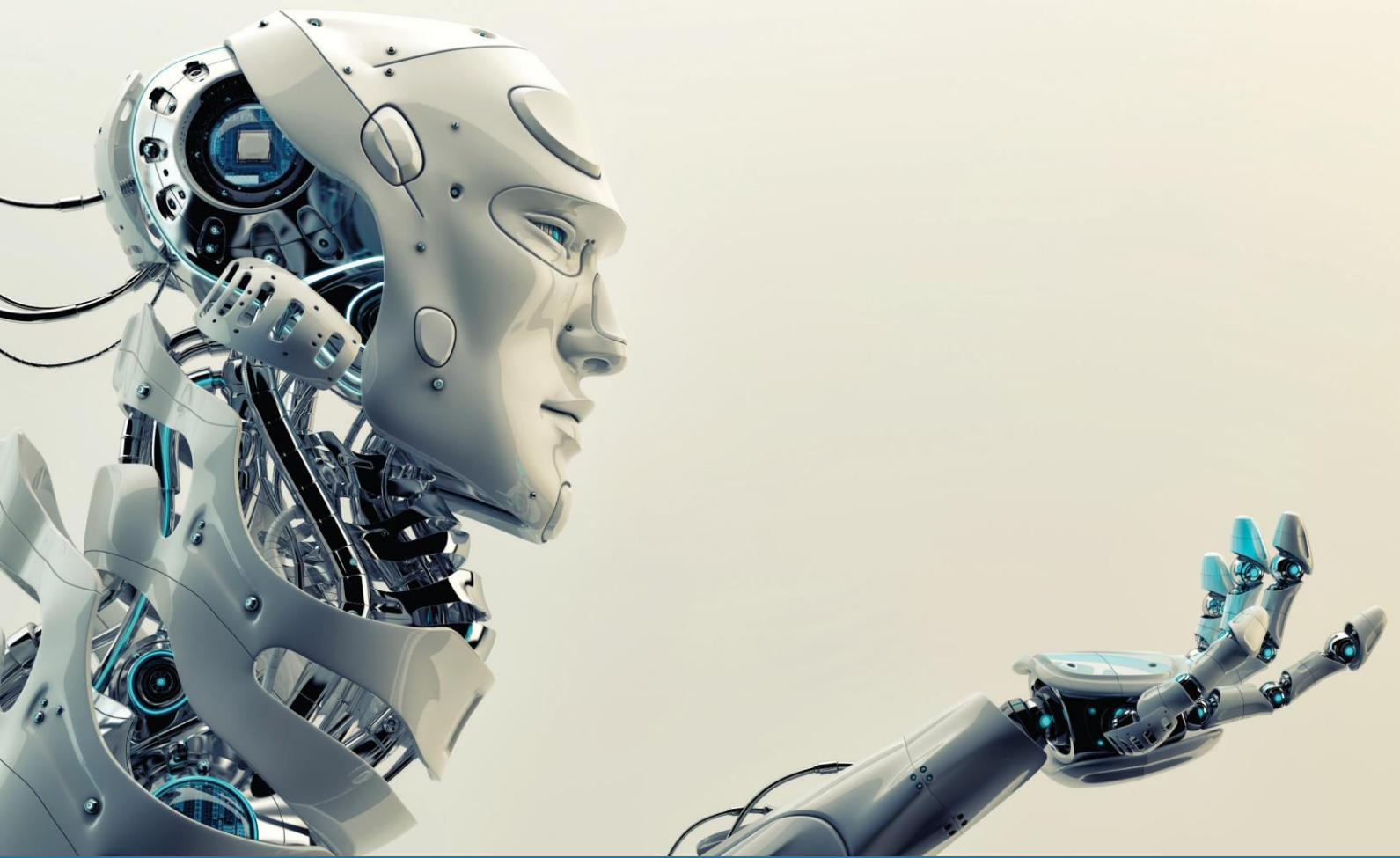
ROBOTIC PROCESS AUTOMATION - (RPA)

Advances in software and artificial intelligence paved way for Robotic Process Automation (RPA), which has the capability to reimagine the business process management landscape. RPA is an ideal blend of automation and artificial intelligence. The result of thousands of hours of learning and testing, RPA has been shaped to perfection in varied and complex client environments. Thus equipped for the future, RPA helps to make your business future ready.

THE ROAD AHEAD

A surge on productivity, accuracy and profit. In a nutshell, that is what Robotic Process Automation (RPA) promises. Designed to reduce or eliminate the need to have people to perform high-volume, high-value tasks, RPA can bring agility across functions and industries. Naturally, next level of operational excellence is what lies ahead for your business.

HIGHER EFFICIENCY

RPA brings reduced cycle time and enhanced productivity to the table, thanks to its ability to work 24/7.
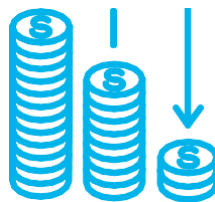
ADVANCED ANALYTICS

With RPA making gathering and organizing data easier, you can predict future outcomes and optimize processes.

GREATER PERFORMANCE AND QUALITY

Robots work consistently and tirelessly, and ensure greater accuracy resulting in high quality output.
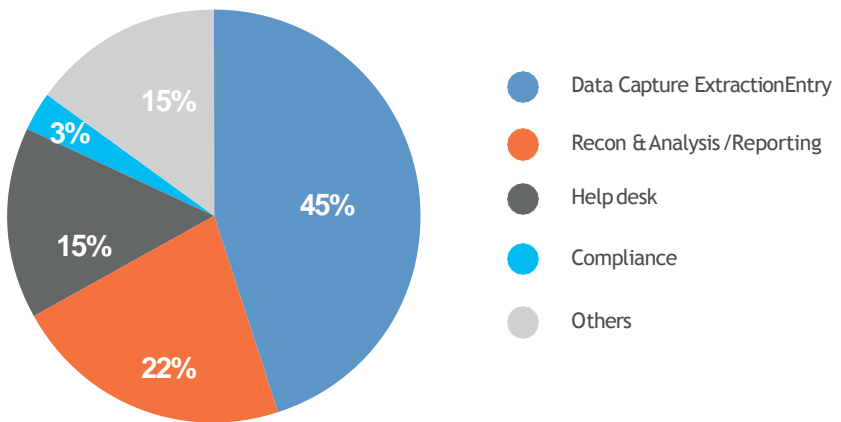
LOWER COST

To replace a full-time employee with a software (RPA) can bring about 25-50% cost savings.

THE SCOPE

RPA can be applied to every function and job across the business process management (BPM) sector. The rule-based and knowledge-based tasks that form a large chunk of BPM jobs in human resources, finance and accounting, procurement, supply chain, customer experience management, and legal processes can be automated using RPA.

Pie chart:
- 45% Data Capture Extraction Entry
- 22% Recon & Analysis / Reporting
- 15% Help desk
- 3% Compliance
- 15% Others

RULE-BASED AUTOMATION

Machine executes *repeatable tasks* that require no human expertise or intervention

Operates enterprise applications through existing user interfaces based on pre-defined inputs

KNOWLEDGE-BASED AUTOMATION

Machine executes tasks that *require human expertise or human judgment*

Uses advances in *cognitive computing, artificial intelligence, deep learning, big data, and natural user interfaces* combined with unprecedented computing power and connectivity

THE SOLUTION COMPONENTS

1. Blue Prism:

Imagine a different kind of workforce. A workforce that you can teach countless skills. The more it learns, the more efficient it becomes. It works without ever taking a vacation. It can be small one day or large when your business hits a spike. And it frees up your best people to really be your very best people. Meet the Software Robots – the Digital Workforce.

2. UI Path:

UiPath is, in essence, the slow fruit of a group of engineers driven by an enduring ambition to build the best technology they possibly could. They went in wholeheartedly, and made UiPath the most widely used RPA platform in the world today, drawing together elite enterprises, global partners committed to excellence in implementation and product innovation

3. Automation Anywhere:

Automation Anywhere is a developer of robotic process automation (RPA) software. The company's product, Automation Anywhere Enterprise,[1] caters to enterprises looking to deploy a digital workforce composed of software bots that complete business processes end-to-end.[2] Automation Anywhere Enterprise combines traditional RPA with cognitive elements such as natural language processing and reading unstructured data.

The RPA lifecycle

AUTOMATION

Deterministic
Secure automation of business processes across heterogeneous technologies

Intelligent
User activity intelligence and robotic self help

Cognitive
Adaptive learning, speech recognition, natural language processing, pattern identification algorithm

CONTROLS

Robot health manager
Analyse and monitor Robot Health

Robot performance manager
Decision insights to improve process outcomes

Robot control tower
Manage RPA enabled processes

RPA LIFECYCLE

- ANALYZING
- AUTOMATING
- OPTIMIZING
- MONITORING
- MEASURING
- CONTROLLING

THE CASE FOR RPA

RPA has become a force to reckon with, thanks to the impressive results it has delivered for large clients across industries. Here's a cross section of clients who have seen exponential productivity and increased profit by putting RPA to work.

A leading hi-tech company

The challenge

The complex order management process contained 30+ applications and required toggling over 12 screens for a process.

The solution

RPA platform – Automatic Transaction Processing. We automated search and workflow in various applications and information aggregation from disparate applications.

The benefits

The company attained 95% First Touch Resolution and saw 25% reduction in overall order completion cycle time. As a result, it saved over 90,000USD in annual savings.

The challenge

Complex data transformation and reporting operations for sales orders were posing serious challenges for a CPG major.

The solution

RPA platform – Reporting and Reconciliation. We automated extraction, validation and data entry of orders to SAP ERP, data transformation of varied file formats, and generation and distribution of reports.

The benefits

The company saw improved accuracy, 20% dip in turnaround time, 20-25% productivity benefits in sales order processes and 25-30% productivity benefits in reporting service operations.

A CPG major

An aircraft equipment manufacturer

The challenge

A leading aircraft equipment manufacturer was lagging behind due to inefficient order management processes.

The solution

RPA platform – Smart Environment. We automated search and data aggregation from various web applications and customer portals, and workflow interface with creation of tasks for tracking downloaded POs.

The benefits

The company clocked 75% decrease in average handling time (AHT), attained improvement in adherence metrics for customer PO acknowledgement and response, and saved 850+ man hours of effort per day on operations floor.

The challenge

The company had to increase the efficiency of its IT operational support services for systems that process over 5 million orders a year.

The solution

We automated incident management by creating a workforce of intelligent robots who learn and resolve incidents and AI capabilities with self-learning and self-healing.

The benefits

Savings to the tune of 1.3 million USD, 48% reduction in mean time to repair (MTTR), and 30% of tickets resolved by virtual engineers.

A telco manufacturer

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END TO END VALUE DELIVERED

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