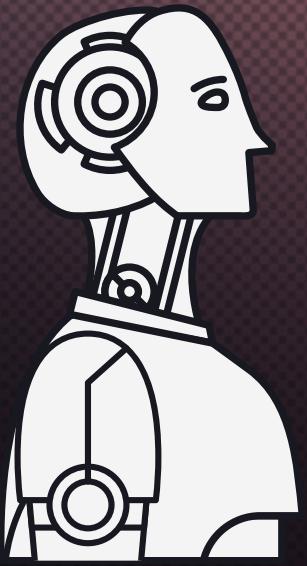


# Robotic Process Automation in Maritime Business



Except any client facing work, we should design RPA to take over repetitive daily tasks from users. Improves efficiency, accuracy, make business more productive !

# The way we work

How the robot revolution makes businesses more productive, makes processes more efficient, and changes the employee experience for the better.

When did working become so hard? Our days are filled with email, meetings, and administrative work. We're constantly reviewing checklists, responding to messages, completing forms . . . our to-do list is endless. And it keeps getting longer. **Work doesn't stop when we go home at night, when we leave for the weekend, or even when we get on an airplane.** It doesn't matter where you stand on an org chart or where you sit in the office. The work keeps piling up

Whether you agree with that assessment or not, you've probably noticed that a lot of the work you have to do doesn't seem like work you should be doing. You're not alone. One recent [report](#) found that employees in the United States (U.S.) and United Kingdom (UK) say they only spend about 40% of their time on "primary tasks." In other words, we spend a lot of time working on things that feel like distractions from our main purpose. But work doesn't have to be a four-letter word. Work is great when it works. When it's fulfilling. When it has a clear purpose. Maybe we need to start asking: How can we make work better? How can we get rid of the routine and repetitive work that's still important, but isn't where we really accomplish something meaningful?



**In other words,  
how can we rework the way we work ?**

# Robots to Help Our Work

RPA automates repeatable business processes. The kind of processes that most businesses still look to people to complete. The kind of processes that make our jobs less interesting and less fulfilling.

The modern enterprise workplace is different. Yes, technology is everywhere (just try to imagine your job without screens and keyboards). But a lot of processes still need hands-on, human intervention. So, even though technology is now woven into the fabric of work, there's tremendous opportunity to automate routine and repetitive tasks. And that's where Robotic Process Automation (RPA) comes in.

## Busting the “innovation destroys jobs” myth.

With RPA, businesses become more efficient and productive, while work gets more interesting and meaningful for workers. Instead of eliminating a lot of jobs, RPA creates new possibilities and opportunities for businesses to expand with less effort and cost.

With RPA, businesses can train software robots to learn and perform routine tasks based on a set of rules. RPA robots can mimic virtually any actions that human users perform. They can log into applications, move files and folders, copy and paste data, fill in forms, extract data from documents, and scrape browsers. They can interpret, respond, and communicate with other systems to perform a variety of repetitive tasks. And they do it all better, faster, and with no mistakes.

Any high-volume, rules driven, repeatable process is a good candidate for RPA. By one estimate, about 30% of all tasks in 60% of all jobs could be automated. And with advances in artificial intelligence (AI) and machine learning (ML), those numbers will probably keep growing.

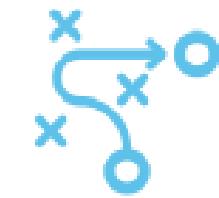
# How is RPA different from other enterprise automation tools?



Fast benefit realization



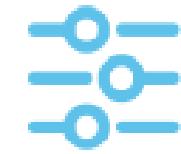
Minimal upfront investment



No disruption to underlying systems



Led by the business, with support from IT



Highly scalable, adapts to changing business environment

Employees are the first to appreciate the benefits of RPA as it removes non-value-add activities and relieves them from the rising pressure of work.

# RPA Capabilities

Log Into Any Application

Copy and paste data to and from systems

Move Files and Folders

Extract and process structured and non structured contents from documents PDF emails and forms

Read and Write to Databases

Open Emails and Attachments to process useful information

Scrape data from web for analysis, business strategies.

Make Calculations checking systems

Essentially, any high-volume, business-rules-driven, repeatable process qualifies for automation.

Across business units and geographies, RPA performs a massive amount of operations in parallel, from desktop to cloud environments. Additional robots can be deployed quickly with minimal costs.

# Key Points

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## Mundane, repetitive work takes up a LOT of time.

Research—not to mention personal experience—shows that we spend the majority of our workday doing things that aren't related to our primary job responsibilities that make work meaningful and rewarding.

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## RPA automates the work that makes work a chore.

The routine, the tedious, the repetitive... RPA robots can take over tasks that make work less interesting, less engaging, and less fulfilling—freeing us to do more meaningful work.

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## Businesses see dramatic gains.

Not only does RPA free workers from the kinds of work that people don't like to do, it also does it faster and with greater accuracy. It makes the business more efficient in some pretty dramatic ways.

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## And people become more important than ever.

Because we don't have to be bogged down by robotic tasks, we're free to do what people do best. Like think creatively. Innovate. Solve problems. Help customers. Make things better.

## To Conclude :

It's a new era for businesses and the people they employ. The 'automation first' era. RPA is making businesses more efficient, and it's taking mundane, repetitive, and unfulfilling tasks off the to-do lists of workers. Instead of replacing workers, RPA replaces the tedious parts of work. It actually enhances the contributions of the "human resources" in the enterprise by freeing people to put their talents, energy, and creativity to work in new ways. Ways that create more value for the organization.

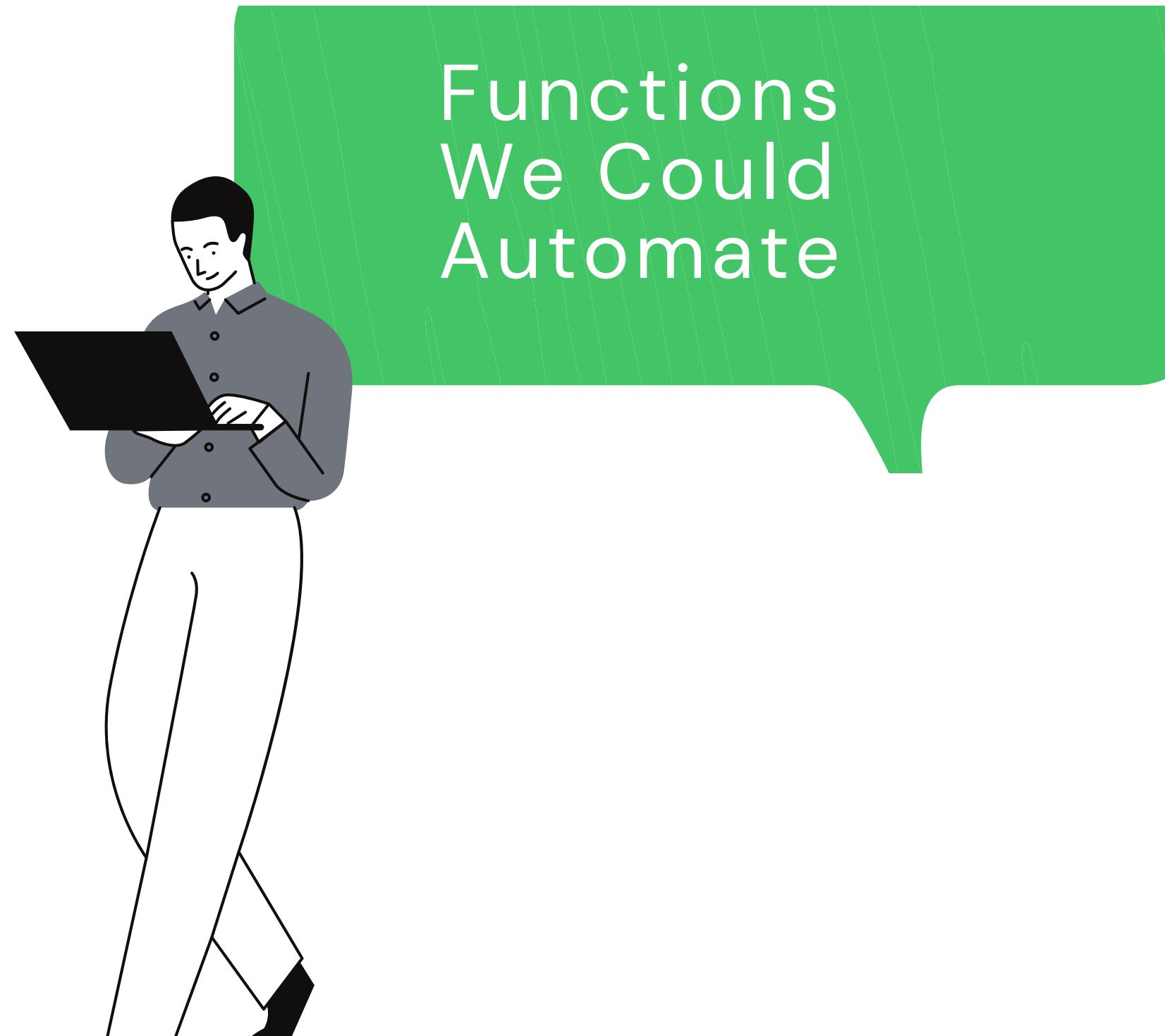
# RPA in Maritime Business



RPA if designed well can be a **game changer** for Maritime Business. Except the client facing roles, majority of our Ship Management processes are with defined scope every year, monitoring expiry, timely renewals, regular store and spare supplies, daily operations etc.

Almost all segments, Technical, Procurement, Crewing, Safety, Operations, Accounting, Chartering, Office Administration, HR, Training, all departments having repetitive tasks monitored by users daily. Aim is not to eliminate humans from work-desk, instead improve the management process using RPA to automate several of those tasks, helping staff free up their time for other quality work, monitoring vessels better.

# RPA in Fleet Management Tasks



- 1** PROCUREMENT FOR SHIPS
- 2** CREW PLANNING
- 3** DATA ENTRY AND ALERTS
- 4** OTHER REPETITIVE TASKS

# Procurement Automation

1

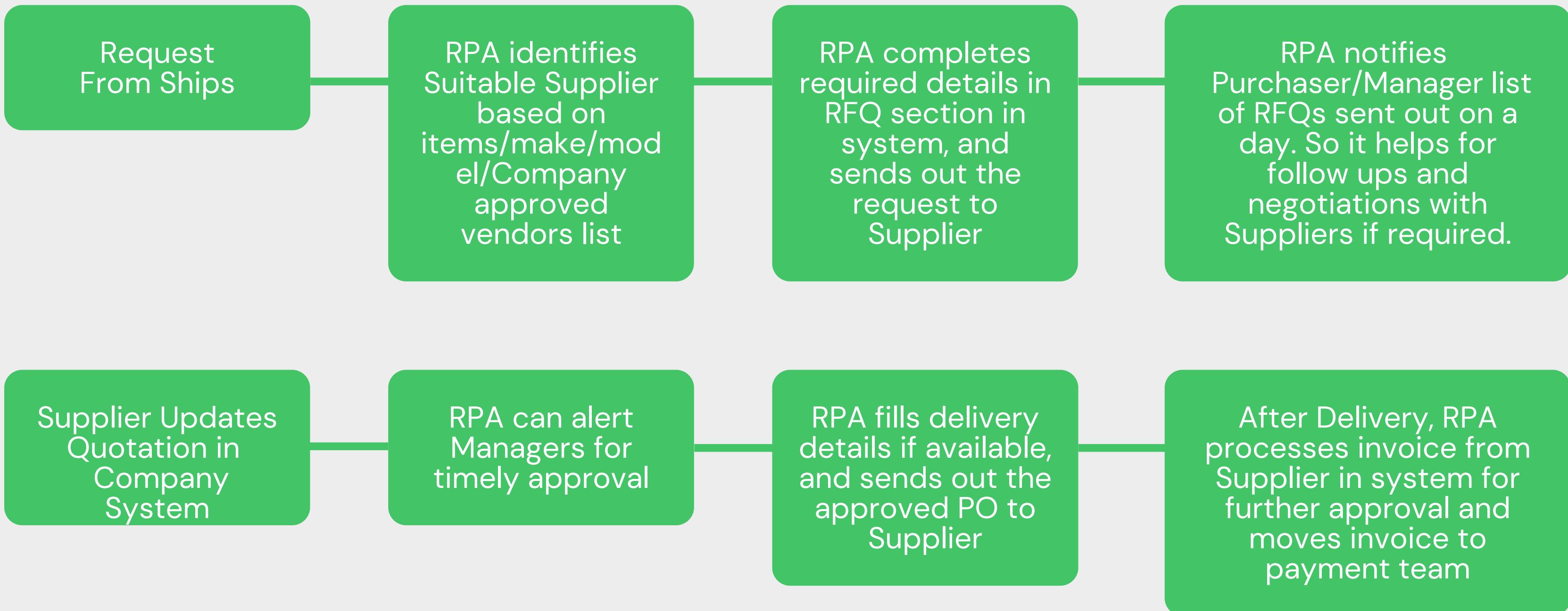
IDENTIFY PROCESSES

2

BRAINSTORM IDEAS

3

IMPLEMENT RPA



# Crewing Automation

1

IDENTIFY PROCESSES

2

BRAINSTORM IDEAS

3

IMPLEMENT RPA

## Crew Planning

RPA can fill in **vessel schedule** and other important information in system saving time for Crewing Assistant

RPA can help **on-boarding data** entry in system with right information, select approved wage scale, activating crew on board etc

RPA can help **Sign On / Sign Off** planning with correct information entry in system and sending out if required to concerned users or agents.

## Crew Data Monitoring

RPA monitors **expiring certificates** and updates renewal in system if information available, or alerts users to provide same

We could also look into a process of **automating crew monthly wage** from shore using RPA. With just few payment or deduction from masters, all other information entry can be easily handled by RPA. Helps timely and accurate reporting reducing time and effort of ship staff and office staff.

# What Next ?

Above are just two areas I took out from several other ideas which came to my mind, similarly you can think of tasks you would like to improve.

Possibilities to improve business processes with RPA is huge, in order to make use of this technology and help our daily work, each department needs to come out with present time consuming processes. We can then work on process automations which will surely improve the quality of work, accuracy of information shared between teams, save valuable time for users and reduce cost of operations in several areas.

- 1 Identify as many repetitive processes that could save time and accuracy with RPA
- 2 Brainstorm Ideas for this Digital Transformation / Automation
- 3 Work with RPA team to implement useful automation for every department in PB.



# **Future of work is not what it used to be.**

Technology has not made us work less, instead we have accomplished more. Businesses grow faster and bigger with reduced effort and cost, creating more opportunities for people, to work with quality and precision.

**Only question is, are you ready to innovate ?**

