



Introduction to WINACTOR

C.S.I. (Thailand) Co., Ltd.

“Agenda

1. *Introduction to OFFICE ROBOT*
2. *Use Case of OFFICE ROBOT*
3. *Services Pattern*

1

Introduction to WINACTOR

Solution developed by NTT AT

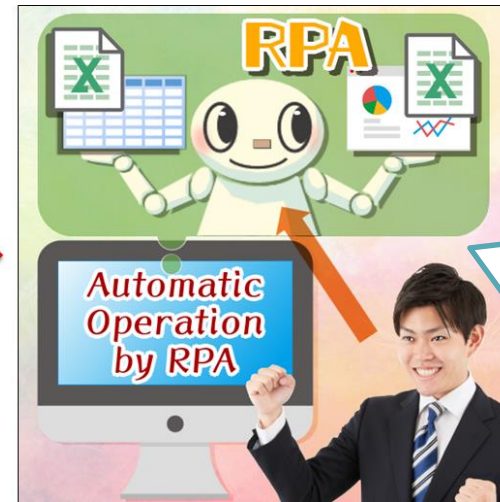


What is “RPA” ?

- WINACTOR is an “all made in Japan” RPA (Robotic Process Automation) solution developed by NTT Group in 2010.
- WINACTOR creates scenarios (work flow) to automate PC operations which have been performed by humans (Windows applications and scratch development applications)

**No Budget for
IT investment...**

⇒Manpower is
the only way!



**WINACTOR
will do all the
works for you!**

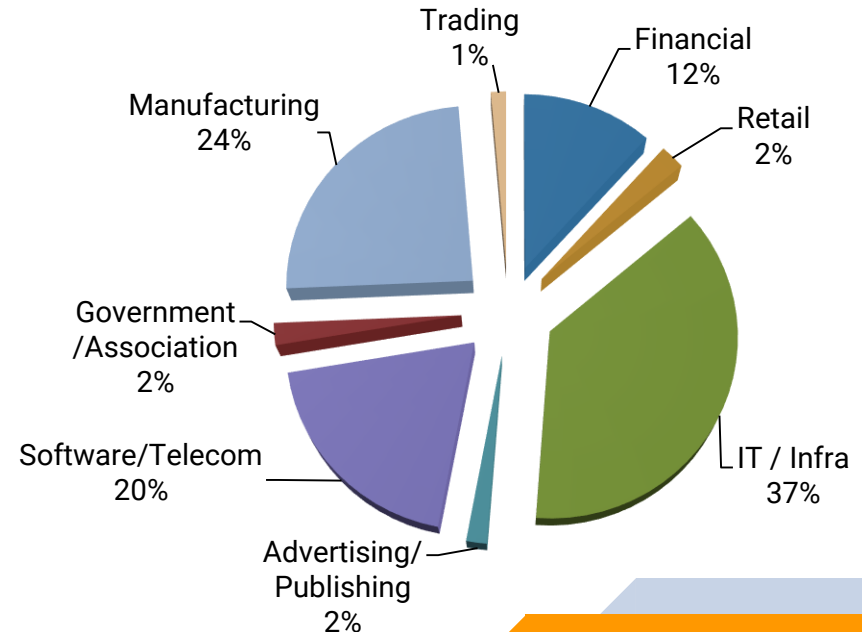
(You only have to
create the scenario
and press “play”
button)

Which industries apply “WINACTOR”?

In Japan, over 3,000 companies in all industries have been appreciating the efficiency of WINACTOR for their daily business operations.
(As of March 26, 2019)

This is because of the WINACTOR’s smooth introduction, user-friendliness, and simple functions.

Business Industries



Our Customers



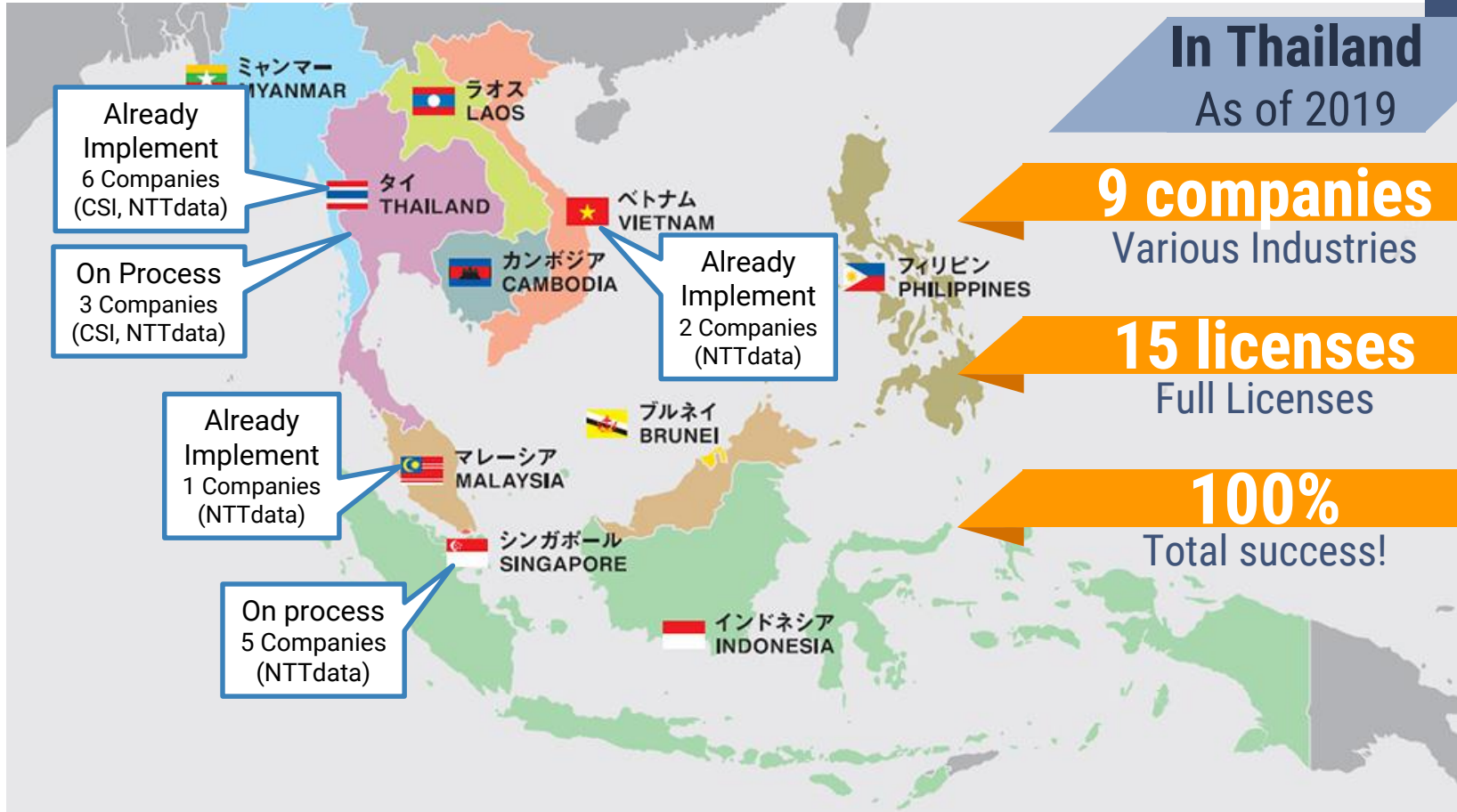
Implementation in ASEAN

In Thailand
As of 2019

9 companies
Various Industries

15 licenses
Full Licenses

100%
Total success!





How to automate operations ~Create Scenario~



Scenarios can be created easily, without requiring programming skill

STEP
01

① Create Scenario by automatic record.

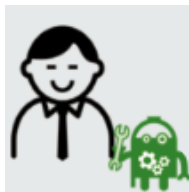


Record

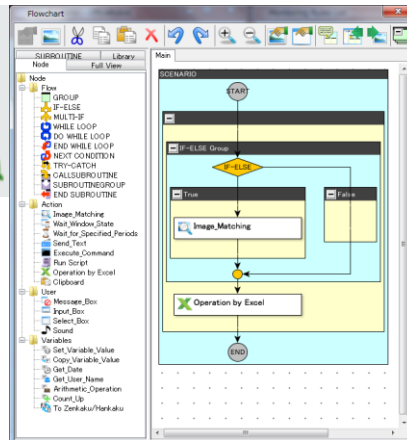
Office Robot will record all of your operation process and automatically create a scenario.

STEP
02

② Edit Scenario.



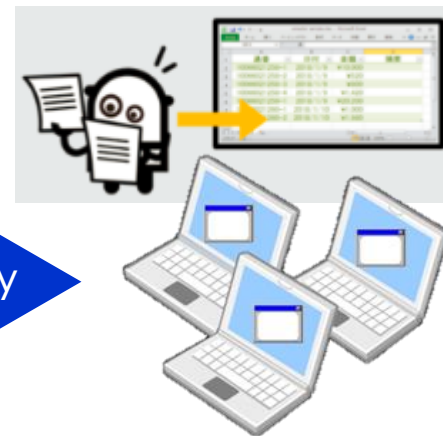
Edit



Edit/set the operating conditions of the scenario by GUI.

STEP
03

③ Play Scenario.



Play

Office Robot will automatically replicate all your work along scenario.



Benefits of RPA

Reduce Mistakes from Human

Improve
Accuracy

Automatically Execute Routine Tasks

**Business
Improvement**

Reduce Working Time

Reduce Cost on
hiring extra staff
during busy period

Eliminate
Waste

Secure
Resources

Staff can focus on
the important work

Reduce Cost & Risk on
System Renovation



Benefit of WINACTOR

Example Outcome #1

➡ Reduce Time

A Japanese company was manually creating delivery order of about 500 orders per day.

Receive Order	▶	Create List	▶	System Input	▶	Create Delivery Order	▶	Finish
Manual		60 min		300 min		120 min		Total: 480 min
Automatic		3 min		5 min		2 min		Total: 10 min

480 minutes ⇒ 10 minutes only !

With OFFICE ROBOT, the working time of all processes has been shortened to 1/50.

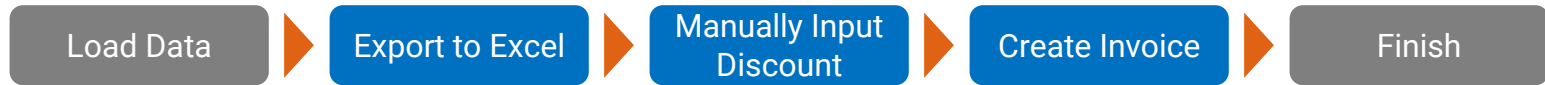


Benefit of WINACTOR

Example Outcome #2

➡ Reduce Time & ➡ Reduce Mistake

- A Japanese company is manually creating about 5,000 invoices per day (after month end)
- Need to use different discount for each customer -> **human can put wrong discount**



	Manual	Automatic
Time	2,400 min	600 min
Mistake	0.3%	0%
Work-force	5 operators	2 operators

OFFICE ROBOT can select appropriate discount for each customer, the working time has been shortened to $\frac{1}{4}$, human error was eliminated, and the work-force has also been reduced



Features of WINACTOR

- Best for repetitive operation that can identify pattern
 - ▶ For example, Read excel data and Input to other application (such as AS400, Web, SAP, Other)
- Can send email to notify when found error or when operation finished
- Can record all keyboard operation
- Can start automatically by using window schedule



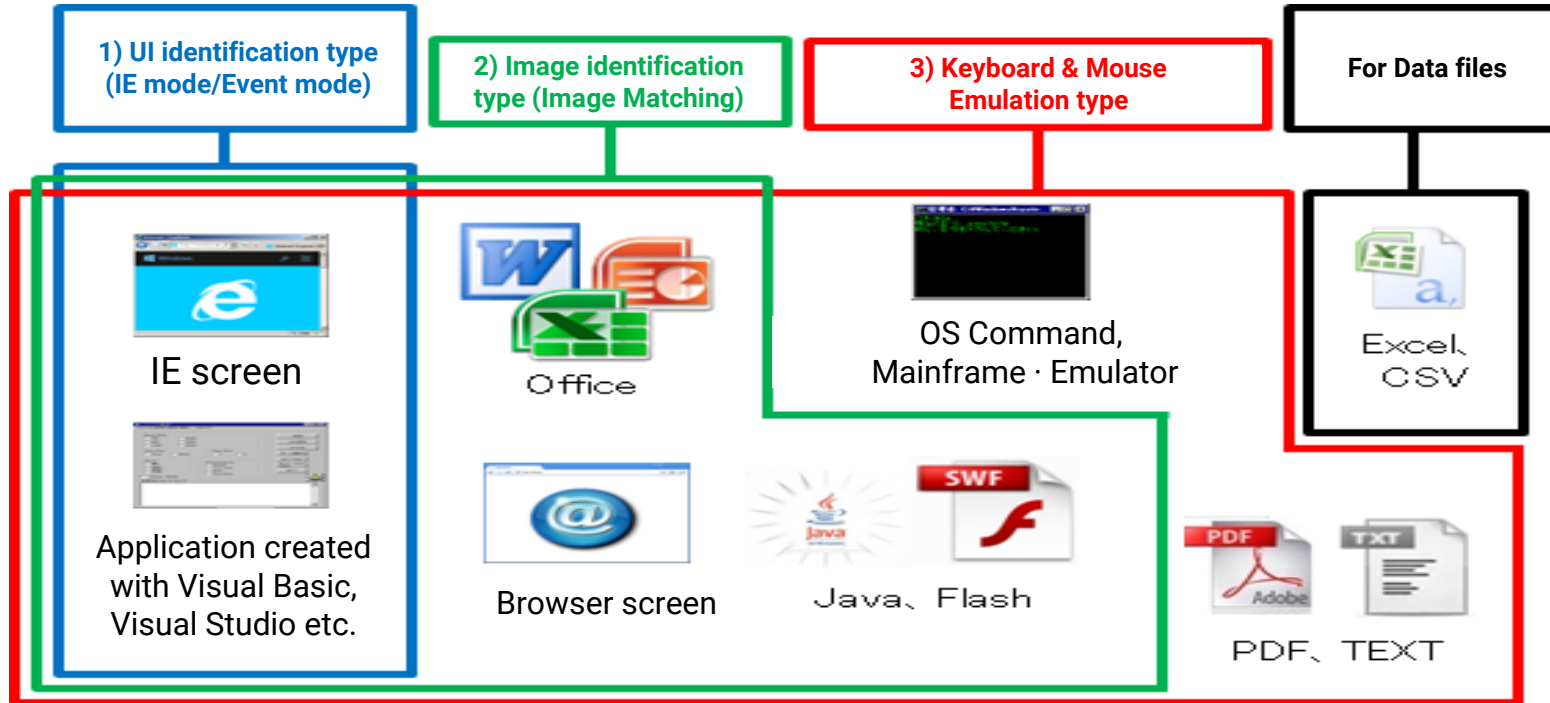
Limitation of WINACTOR

- Input must be excel or csv file => Prefer excel
- Cannot recognize data from paper (need separated OCR solution)
- Run in foreground (need to dedicate 1 client for when robot is running)
- Cannot control hardware operation
- Cannot record Machine Touch Panel operation



What kind of Application can be used?

WINACTOR can control any Windows Application using 4 types of operation interface.





Operating Environment

Hardware Environment

Item	Specification summary
CPU	Intel Pentium4 2.5 GHz or higher
Memory	2.0 GB or more
HDD	Free space 500MB or more
Screen	Can be displayed 1024*768
Sound	Sound function to give out sound for scenario (including speaker) *Unnecessary if not using sound function

Software Environment

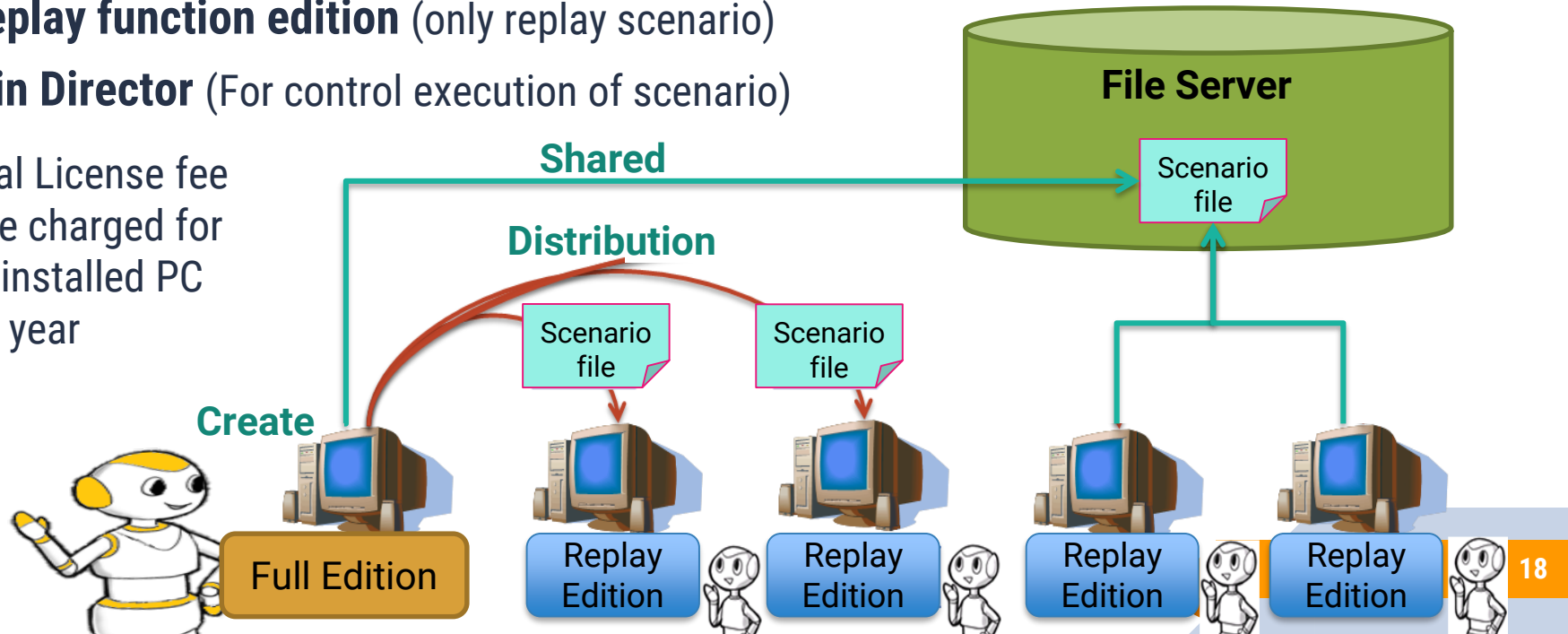
Item	Specification summary
OS	Microsoft Windows 7 SP1 (32bit, 64bit) Microsoft Windows 8 (32bit, 64bit) Microsoft Windows 8.1 (32bit, 64bit) Microsoft Windows 10 (32bit, 64bit)
Web Browser	Internet Explorer version 8, 9, 10, 11 *If the target work uses web browser
Library	.NET Framework version 3.5, 4.0, 4.5, 4.6, or 4.7 *If the target work uses .NET Framework
Application	Office Robot convert numerical values read from an external file into variables that can be used in the scenario, and write the execution result to an external file when processing automatically. CSV and Excel format (xls,xlsx,xlsb,xlsm) are available for using as external files. If use Excel format, it need to install either Microsoft Office Excel 2007, 2010, 2013, 2016.



License Scheme

- Full function edition** (create & replay scenario)
- Replay function edition** (only replay scenario)
- Win Director** (For control execution of scenario)

*Annual License fee will be charged for each installed PC every year



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Use Case of WINACTOR in Thailand

Case Study & Demonstration

Case#1: Multiple Excels Operation



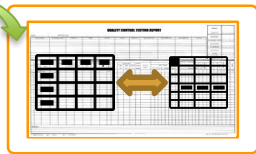
Invoice File
of each
customer



Shared Folder

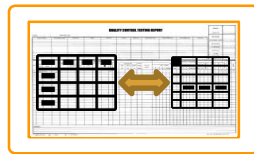


Compare
Invoice with
Master File



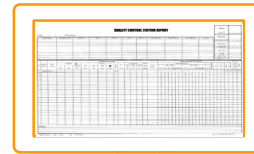
Excel

Compare
Prices and
Calculation



Excel

Write Result
in Control
file



Excel

Daily Operation :
~ 200 vendors/month

Item detail :
~30 line-items per invoice

Finish
(Notify by Email)

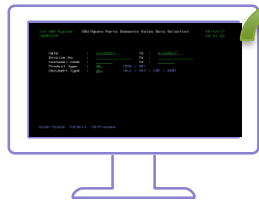


Result File
(Success/Error)

Case#2: Accounting ~ AS/400 · Excel · SAP ~



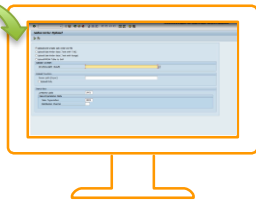
AS400
Issue Daily
Sales
Report



AS400

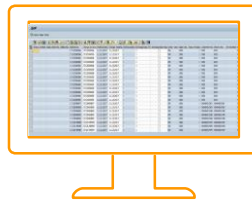


SAP
Upload
Sales Data



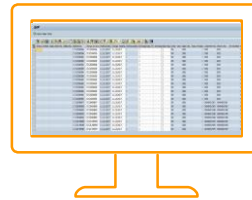
SAP

SAP
Create
Sales Order



SAP

SAP
Create
Invoice



SAP

Finish
(Notify by Email)

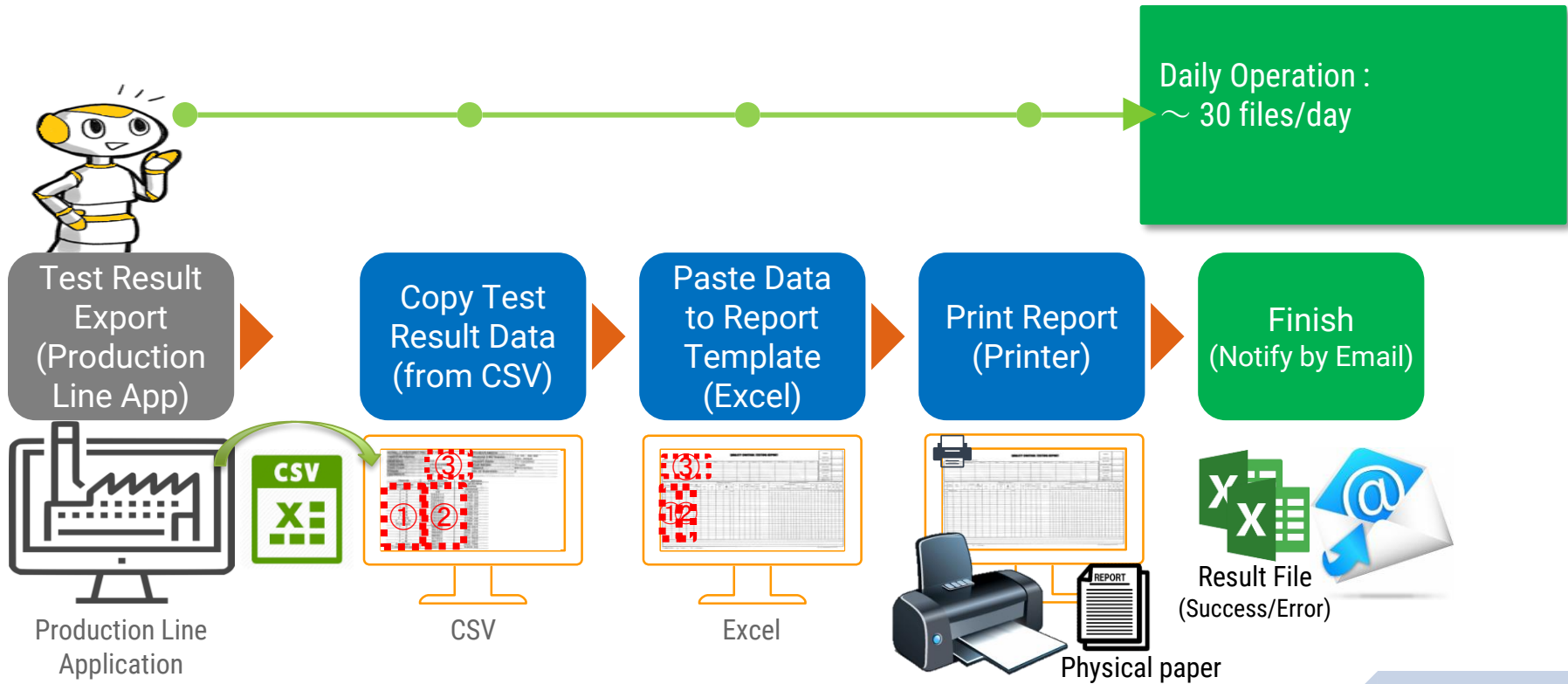


Result File
(Success/Error)

Daily Operation :
~ 200 invoices/day

Item detail :
~30 line-items per invoice

Case#3: Manufacturing ~ Application · Excel · Printer ~

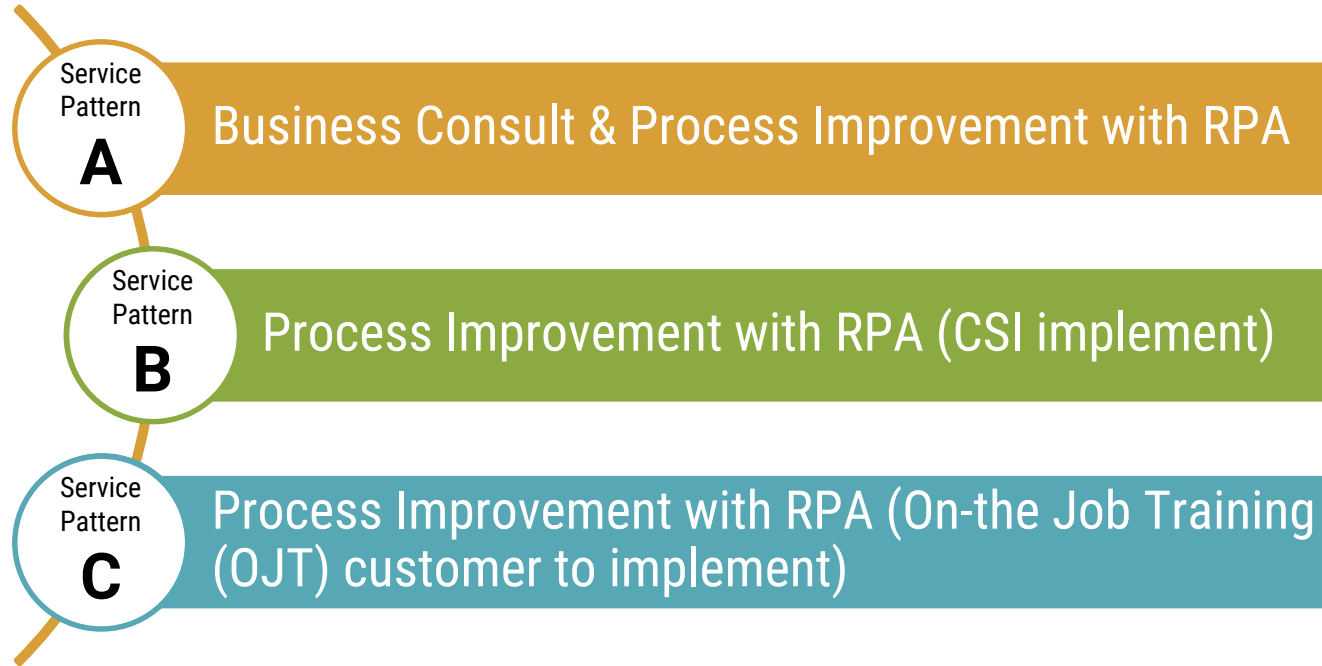


3

Service Pattern



Service Pattern



Business Consult & Process Improvement with RPA

Objectives

The company has the objective to do operation improvement in all departments.

Scope

- Customer defines objective of RPA and select Business operation
- CSI provides business consultation (Hearing AS-IS & Design To-Be)
- Customer selects scope of operation which they want to replace by RPA
- CSI creates RPA scenario and supports user on implementation
- CSI provides the outcome of the Before and After using RPA
- Next step is to expansion to another department

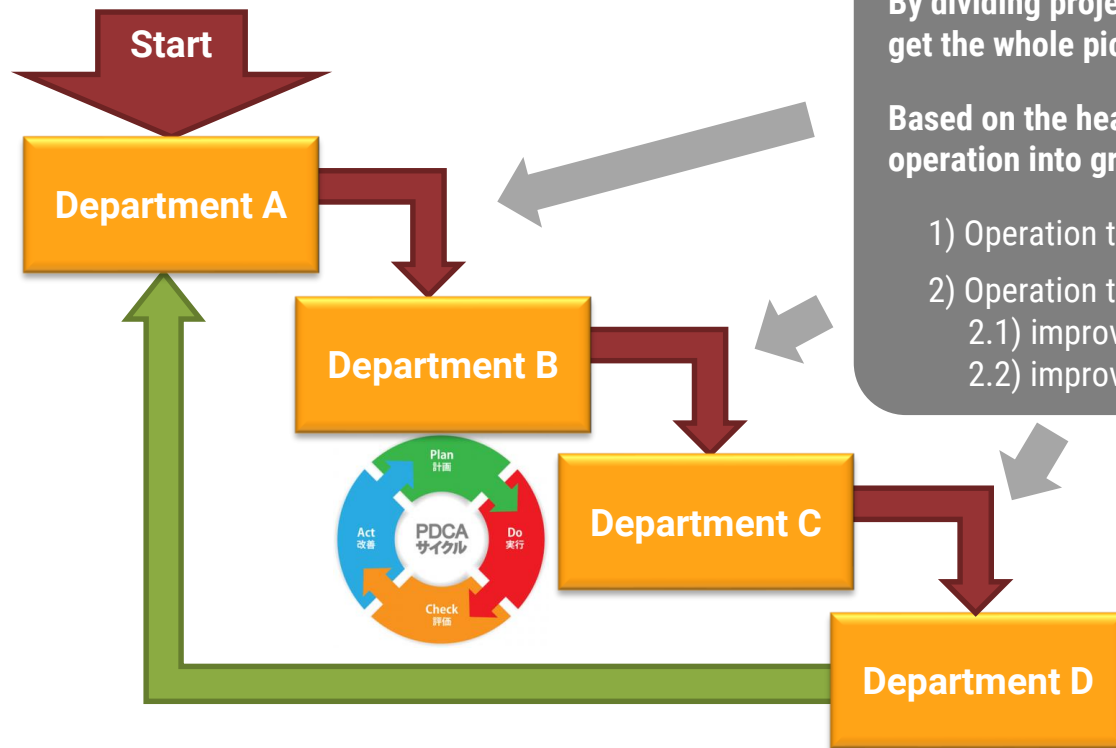
Timeline

About 10 weeks (Depends on volume of operation)

No	Project Task	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8	WK 9	WK 10
1	Project Kickoff										
2	Hearing Detail (AS-IS)										
3	Selection of RPA Target (2-3 Operations)										
4	Detail of Selected Operation (AS-IS)										
5	Define TO-BE Operation										
6	Create Robot Scenario										
7	Test on Test Environment & Evaluation										
8	Test Run on Production Environment										
10	Evaluation on RPA Operation Results										
11	Planning to Expand to Other Operation in Current Department										
12	Planning to Expand to Other Department										
13	Planning the Maintenance Support										

Note: This is a project based and project period can be varied depending on the complexity of operation

Continuous Improvement to Other Departments



The implementation steps follow PDCA method.

By dividing project cycle into each department, we are able to get the whole picture of the total operation in the company.

Based on the hearing information, we can then separate the operation into groups as followed:

- 1) Operation that can be applied to RPA immediately
- 2) Operation that needs to be improved before applying RPA
 - 2.1) improved by IT-improved
 - 2.2) improved by process improvement

Process Improvement with RPA

(CSI implement)

Objectives

The company has the target operation which is known to be ineffective and need to do improvements.

Scope

- Customer already selected the Business Operation in one department to be improved with RPA
- CSI provides Design of the To-BE Operation
- CSI creates RPA scenario and supports user on the implementation
- CSI provides outcome of the Before and After of using RPA
- CSI provides user manual for using RPA

Timeline

Project-based is about 5 weeks (Depends on complexity of the operation)

Draft Schedule

Process Improvement with RPA (CSI implement)



No.	Project Task	PIC	WK 1	WK 2	WK 3	WK 4	WK 5	Remark
1	Project Kick-off: Confirm the selected Operation Scope	CSI, Customer						
2	Hearing detail & Create To-BE Design	CSI, Customer						
3	Confirm To-BE Design	CSI, Customer						
4	Create Robot Scenario	CSI						
5	Test and Confirm Test Result	CSI, Customer						
6	Go-Live	CSI, Customer						
7	Confirm Operation Result & Summary Result	CSI, Customer						

Note: This is a project based and project period can be varied depending on the complexity of operation

Process improvement with RPA

(On-the Job Training (OJT) customer to implement)

Objectives

The company has the target operation which is known to be ineffective and need to do improvements. User has the objective to use own staffs to develop RPA

Scope

- Customer already select the Operation to be improved with RPA
- CSI support user to provide design To-BE Operation
- CSI train user to be able to create RPA scenario
- CSI support user on implementation (test until actual Go-Live)

Timeline

Manpower support based minimum 6 Weeks (Depends on complexity of operation)

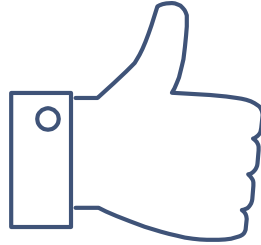
Draft Schedule

Process improvement with RPA
(On-the Job Training (OJT) customer to implement)



No.	Task	PIC	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	Remark
1	Project Kick-off: Confirm the selected operation (1 (one) operation)	CSI, Customer							
2	Summary Operation Detail	Customer							
3	Support customer to create To-Be Design	CSI							
4	On-the Job Training (OJT) customer to create Robot Scenario	CSI							
5	Test and Confirm Test Result	CSI, Customer							
6	Support Go-Live	CSI							

Note: This is a manpower based and the period can be varied depending on the complexity of operation



THANK YOU!

Any questions?

Please find more information at



C.S.I. GROUP <http://www.csigroups.com/en/product-en/rpa>