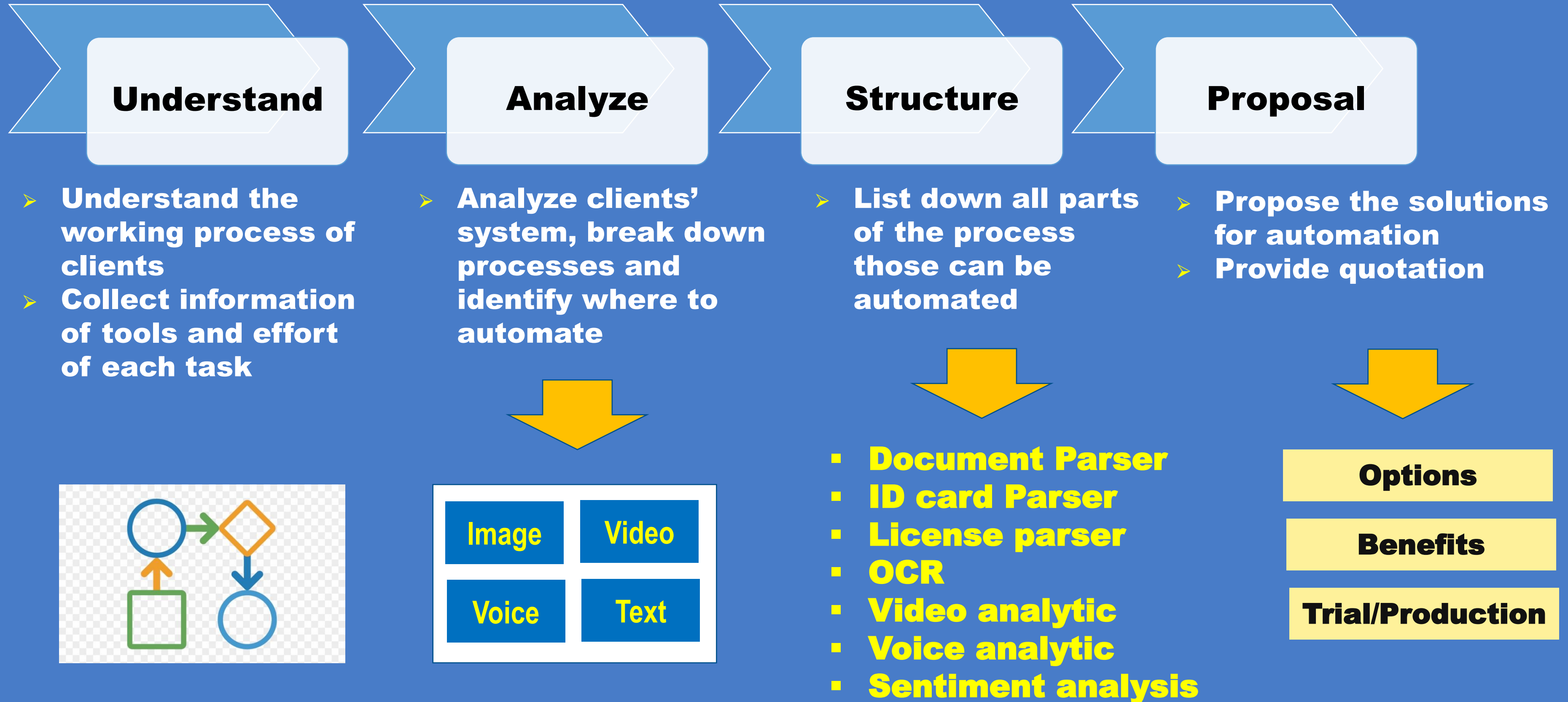
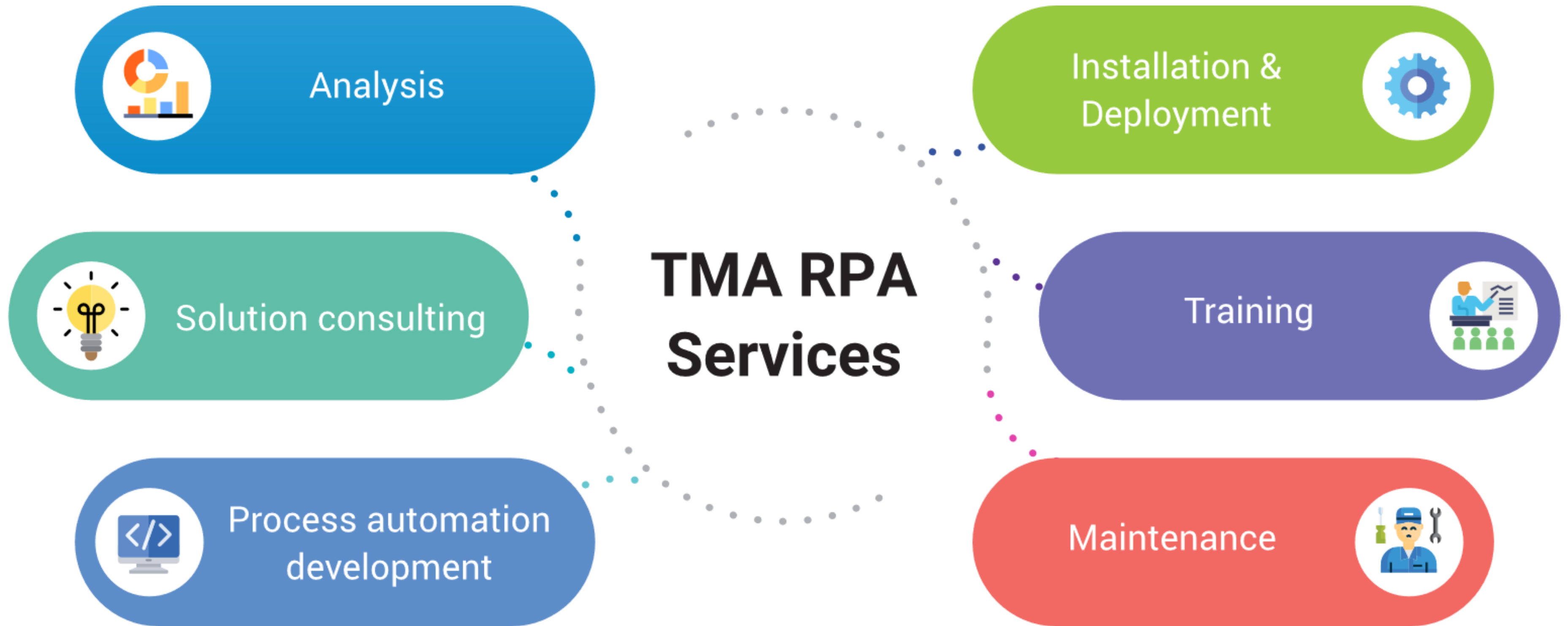


TMA RPA



TMA RPA Process





RPA Solutions (1/3)

1 Wide range of AI solutions

AI CENTER



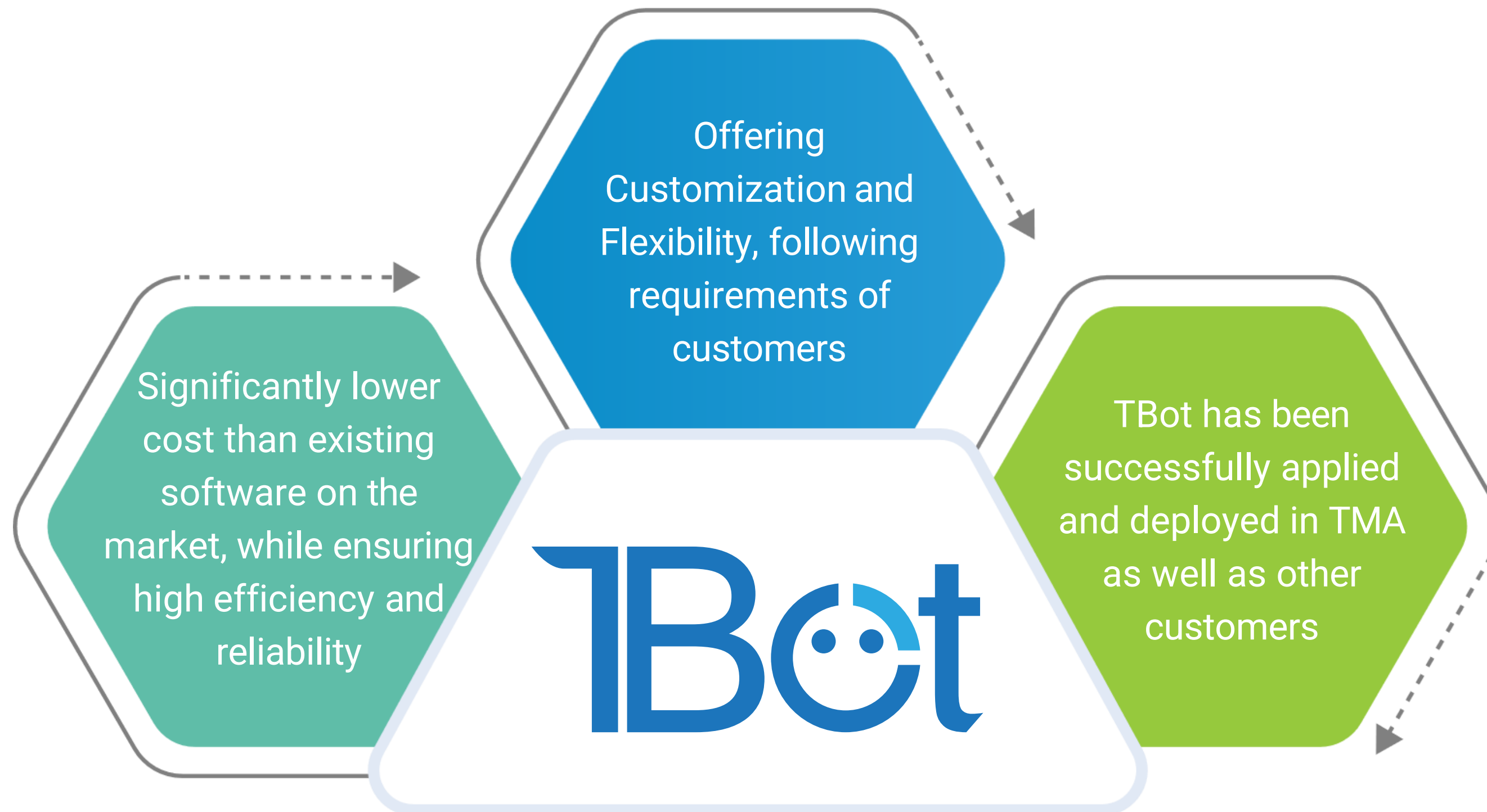
RPA Solutions (2/3)

- 2 Strong background to design, develop and implement process automation with variety of popular commercial RPA platforms on the market



RPA Solutions (3/3)

3 TBot - A reliable and low cost RPA Solution developed by TMA



Sample Solutions and Projects

Logistics

- Account Creation Make Easy
- COD Automation
- Logistics Data Process
- Inventory Alert

Human Resource

- Document Parser
- Automatic Resume Input
- Job vs Candidate Matching
- Onboarding Process

E-commerce

- Brand Labeling & Recognition
- Product Description Generator
- Product Description Optimization
- Vendor Application Process

Finance

- Debt reminder
- Finance report mismatches detection
- Bank & Tax Statement OCR
- Insurance Claim Payment Process

Public Sector

- Call Center Sentiment Analysis
- Identity card & Driver license parser
- Rental Contract Expiration Notice
- Traffic Image Processing

Sample solutions

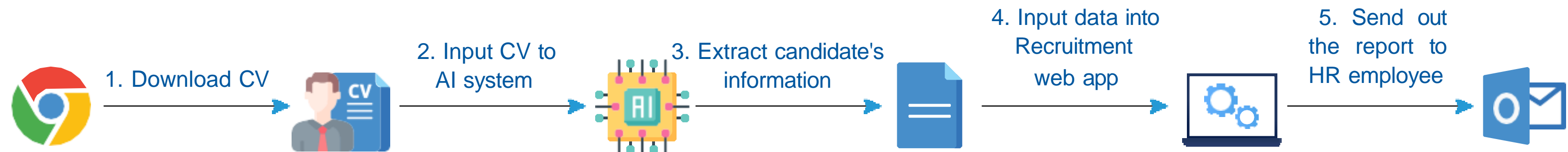
Automatic CV input

Problem

- It takes 10 minutes to get and enter information for 1 CV into the recruitment system with many different stages and applications
- 1000+ CVs to be processed per week

Result

- Automating CV input process with TBot and AI helps reduce time from 10 mins/CV to 1 min/CV
- Increase productivity and release staff from dead end job



Sample solutions

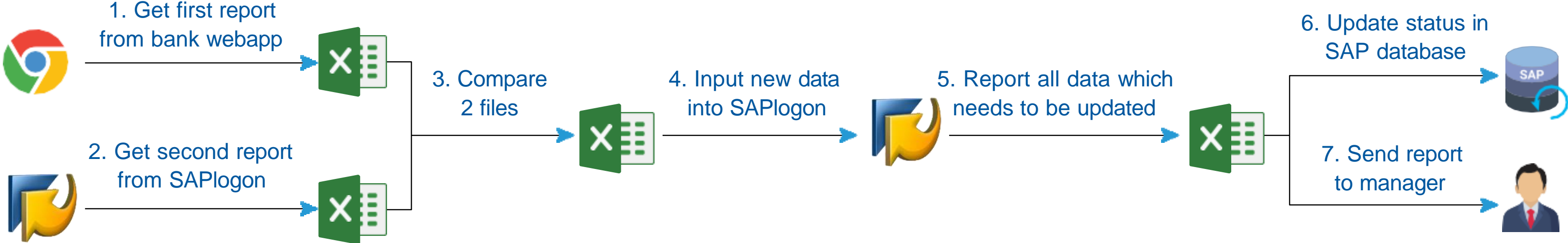
COD status update

Problem

- Complex process, need to manipulate files in different systems
- Human errors may occur when collating large data daily

Result

- Collect data on schedule automatically
- 100% accuracy without manual effort



Sample solutions

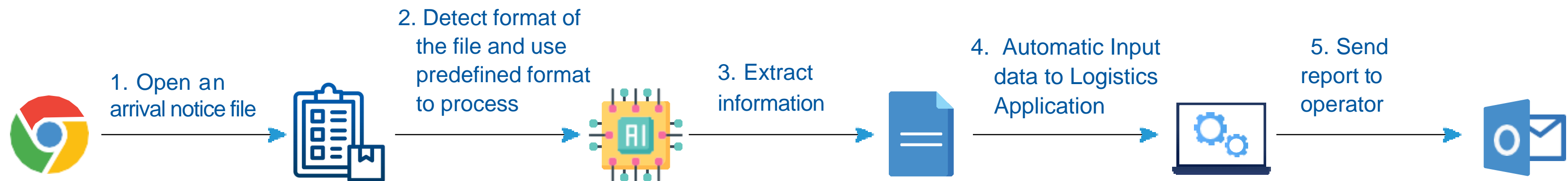
Logistics data process

Problem

- In a Logistics business, there are hundreds of arrival notices from different partners to process in a day with different format
- Repeated and time consuming task

Result

- Logistics data process with Tbot helps reduce processing time for each arrival notice from 5 minutes to 20 seconds
- Increase task effectiveness and efficiency



Sample solutions

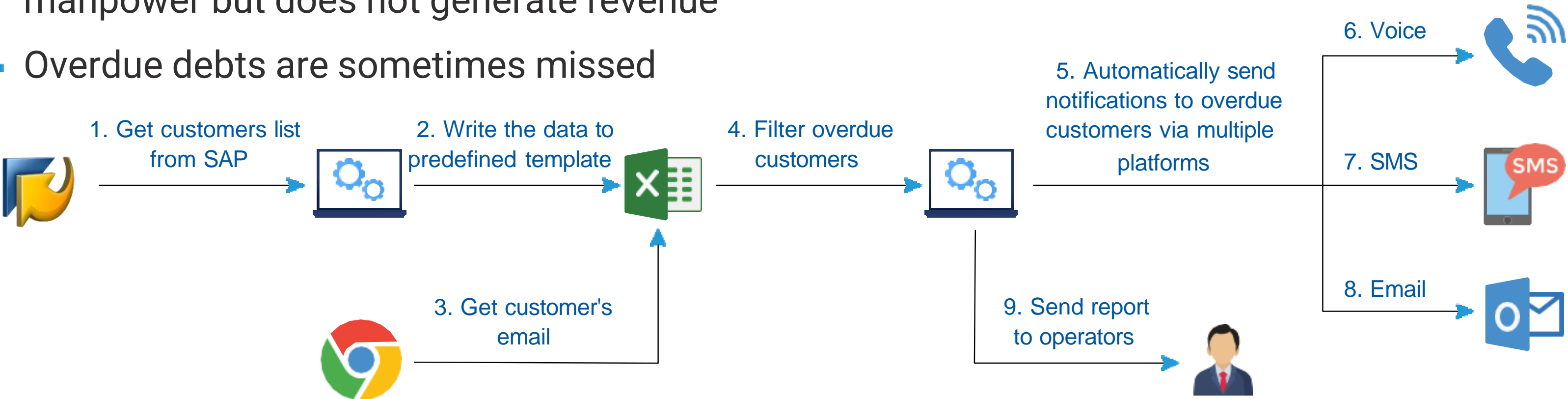
Automatic debt reminder

Problem

- Debts need to be checked to remind customers regularly
- The process takes a lot of manpower but does not generate revenue
- Overdue debts are sometimes missed

Result

- Automatic daily debt tracking and reminding
- Free up human effort



Sample solutions

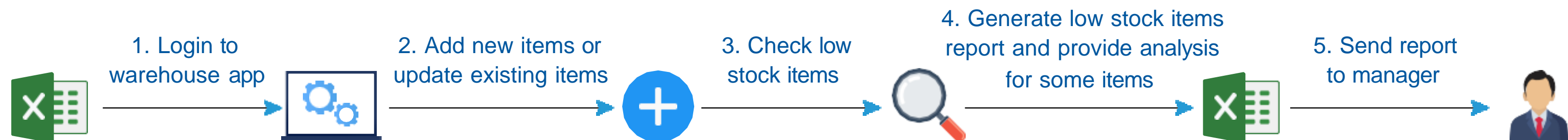
Inventory alerts

Problem

- Inventory needs to be checked and updated regularly
- Late notifications or human errors can result in losing sales
- Massive amount of work

Result

- Inventory can be scheduled to check 24/7
- Give notices in advance to operator to resupply the stock at configurable thresholds
- Analyze trends and give recommendations to operator on each category at some points



Sample solutions

Identity card or driver license parser



Auto correct orientation of captured photo

Support extraction for both front side and back side

Fast processing time with high accuracy

Sample solutions

Call Center Sentiment Analysis

✓ For customer service call center

- Technologies:
 - Speech to text
 - Natural Language Processing
 - Deep Learning
- Completed core engine & demo:
 - Customer emotion detection
 - Auto extract booking info



Sample solutions

Insurance Claim Payment Process

2019/09/19 14:18:25 To: 05080977759 Fron: 0215771000 NHIS Page:001/003

발급번호: [redacted] 3/1

가입자 건강·장기요양보험료 납부확인서

1 가입자 성명 강경운 2 생년월일 1989.07.07.

사업장 명칭 주식회사피플펀드컴퍼니 3 납부번호 80693138671

3 2017년 07월 ~ 2017년 12월 납부내역

월별	고지금액				납부금액			
	건강 보험료	장기요양 보험료	소득월액 (건강)	소득월액 (요양)	건강 보험료	장기요양 보험료	소득월액 (건강)	소득월액 (요양)
1월	0	0	0	0	0	0	0	0
2월	0	0	0	0	0	0	0	0
3월	0	0	0	0	0	0	0	0
4월	0	0	0	0	0	0	0	0
5월	0	0	0	0	0	0	0	0
6월	0	0	0	0	0	0	0	0
7월	0	0	0	0	0	0	0	0
8월	362,150	23,720	0	0	362,150	23,720	0	0
9월	362,150	23,720	0	0	362,150	23,720	0	0
10월	362,150	23,720	0	0	362,150	23,720	0	0
11월	362,150	23,720	0	0	362,150	23,720	0	0
12월	362,150	23,720	0	0	362,150	23,720	0	0
연말정산	21,600	1,440			21,600	1,440		
합계	1,832,350	120,040	0	0	1,832,350	120,040	0	0
납부총액	1,952,390				용도구분	납부확인용		

위와 같이 보험료를 납부하였음을 확인합니다

5 2019년 07월 29일

국민건강보험공단 이서

Filtering image to remove salt and pepper noises

Removing watermark to extract information accurately

Good extraction for Japanese, Korean or Chinese characters