

JUNE 9-11, 2024 | LAS VEGAS

Pega Al-powered Transformation: NTT East's Next-level Automation

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Agenda

- 1. About NTT Group | NTTEast
- 2. Vision and Results by Using Pega
- 3. New DX Challenges
- 4. Future Plan



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About NTT Group

Over150

1870 The first telegra

1985
Public Corporat

1987
Mobile telephol

2001

Provision of optical fiber services



Integrated ICT Business

omo

al Communications Business

NTTEAST

NTTWEST

Solutions Business

гтрата

al Estate, Energy and Others)

T Anode Energy



About NTT EAST

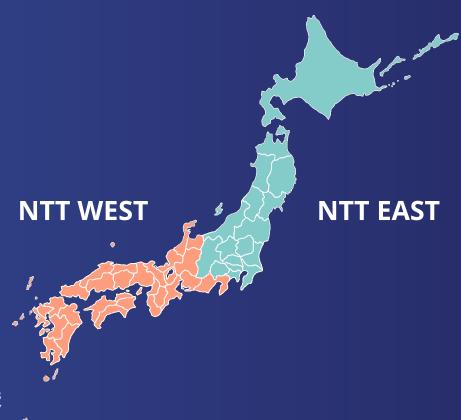
Our Business

Provide regional telecom services in the east areas of Japan.

4,950 Employees*

\$11 Billion Revenue**

*as of Mar 31, 2023 **FY2023, 1USD = 155JPY





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Business Characteristics

-NTT East's mainstay Internet service is an annual Internet service with 8.5 million orders for new installations, modifications, etc.



internet lines

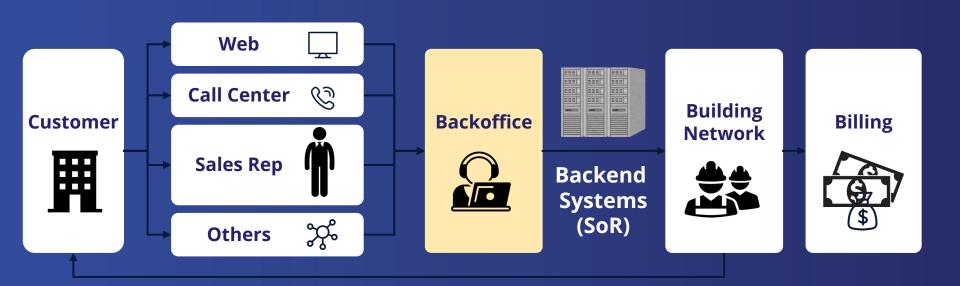


8.5 million orders per year



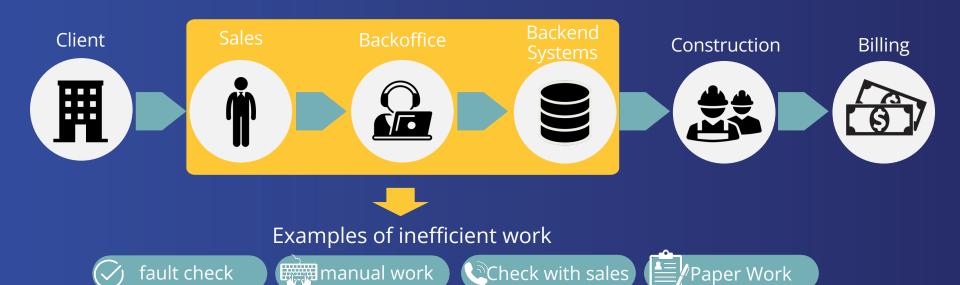
Business Characteristics

Typical Workflow for Internet and Telephone Services



Issues Until Last Year

The back office was manually submitting complex orders to the core system based on paper forms, so automation of these operations was considered.



Results Until Last Year

For the system input work, we adopted PegaCloud and linked it to RPA to achieve automation.











Effect By Introducing Pega



fault check







application incomplete rate

Transformation from phone to chat-based communication

Established a paperless, human-free workflow

Automated

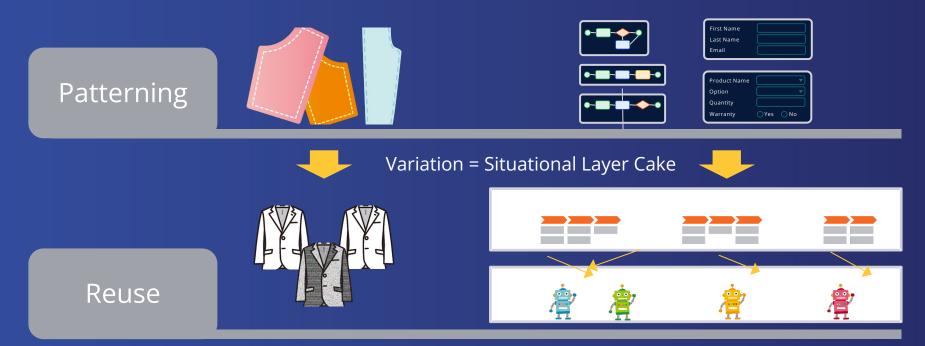
1,200
employees' work

More Reliable Much Easier More Automated

Project Key Point - "KATA-GAMI" Method

We achieved the automation of 120 operations in about three months by creating a pattern of how to link each system and NW.

Three years later, automation of system input operations for about 1,200 tasks has been achieved.



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One Day at a meeting · · ·







I'm glad Pega has helped to automate the process.

It's perfect!













Key Factors For Zero Back Office Operations

Automation of system input operations

Elementation of post-submission check operation.



response to inquiries

- Confirmation of incomplete ordersHandling of post-order enquiries

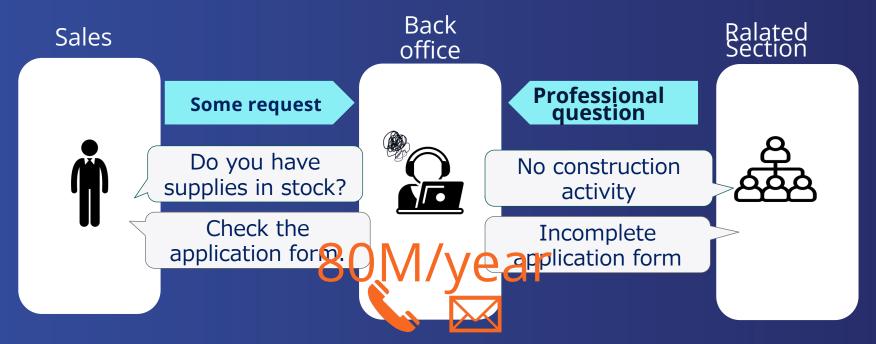


ensecond competence



NEW CHALLENGES

In the back-end, there is a lot of "non-input work"



NEW CHALLENGES

Major back-end inquiries

Pre-Entry

Post-Entry

How to fill out the application form

Back office

Checking Entry details

Responding to common deficiencies



Confirmation of earliest construction date.

Checking inventory of goods

Confirmation response after application

NEW CHALLENGES

Selecting between two options for checking goods inventories and input checks and discussing solutions.

Pre-Entry

Post-Entry

Checking inventory of goods

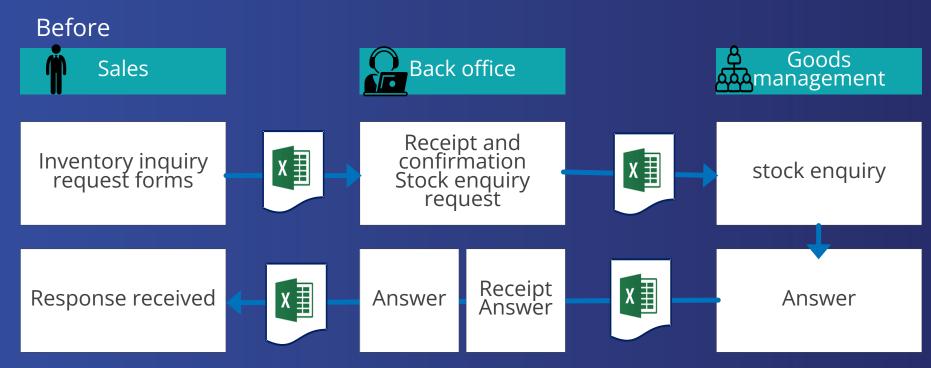
Lead time from inquiry to response



Checking Entry details

Checking for deficiencies, checking multiple items prior to submission to the core system, etc.

The current stock checking process was a complex workflow.



Adoption of the Pega Digital Messaging Service has reduced backend/related department operations to zero.

After



Sales



ဝို Goods Amanagement

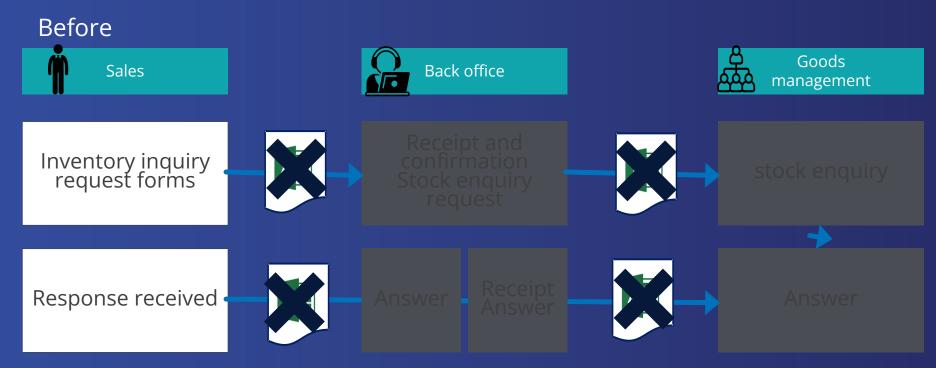
Inventory enquiry request forms are raised

Response received



Identification of goods, inventory checks and response to results all carried out by the DMS

The current stock checking process was a complex workflow.



Demonstration Of Inventory Check



4,000 operators

Convenient device for about 4,000 operators

- Activate appropriate scenarios (LLM)
- Responds to variations in operator skills



Fast response time for chats

Speed from input to response

チャットサービス管理アプリ

本画面の右側にあるアイコンからチャットを起動してください。

・在庫昭会の例:「H0402639の在庫を昭会したい」

〇チャットボタンが表示されない場合は、お手数ですがログインし直してください。

○チャットウィジェットが開かない場合は、何度かチャットボタンを押してください。

○在庫昭会は1つの物品ずつしか行うことができないので、複数物品の昭会を行いたい場合再度検索

○物品コードと物品名を入力した場合、物品コードで在庫昭会を行います。

〇以下のようなものは検索結果に影響を及ぼしません。

- ・記号の有無・誤り(記号例: & #@+-/<=> [| など)

○物品コード、物品名がうまく抽出されない場合

- 「menu」をチャットで入力し、実施したい業務を選択してください。
- その後、チャットの指示に従い物品名または物品コードを入力して在庫昭会をしてください。

○検索しても該当物品がない場合

検索ワード誤りか光セレクト(在庫情報なし)の物品の可能性があります。

光セレクトの在庫情報は関連URLを参照してください。

- ◆物品関連業務にかかわる関連URL
- ・ひかりセレクトURL

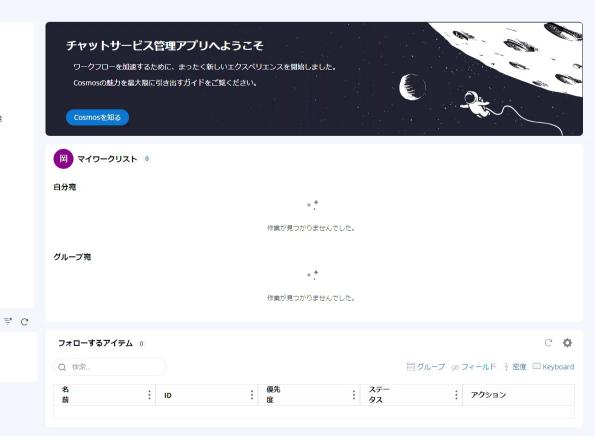
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パルス ⊕ 投稿 ・

岡 何かを伝える...

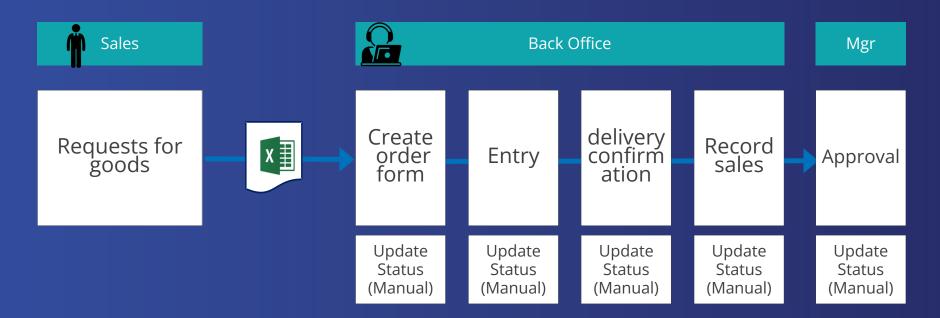


最初の投稿者になりましょう!



Demand work after inventory checks.

Before



Linking Pega Digital Messaging Service and RPA,

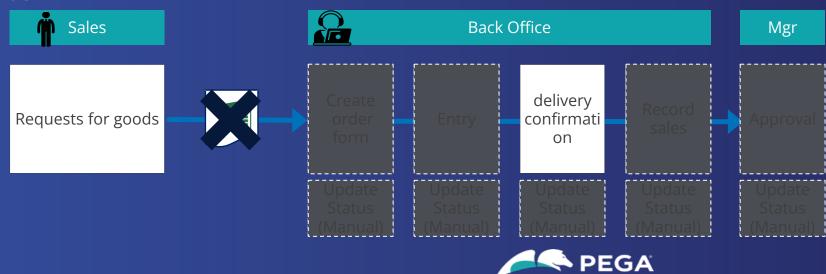
Automation from enquiry to submission

After



Demand work after inventory checks.

After



Demonstration Of Demand For Goods



Convenient device for about 4,000 operators

Minimize input content



Linkage from AI chatbots to systems

チャットサービス管理アプリ

チャット使用法

本画面の右側にあるアイコンからチャットを起動してください。

実施したい業務を入力してください。

・在庫照会の例: 「H0402639の在庫を照会したい」

◆留意事項

PEGA

ul

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- ・半角全角の揺れ
- ・記号の有無・誤り(記号例: & #@+-/<=>「」など)
- スペース有無
- ◆照会したい物品が見つからない

○物品コード、物品名がうまく抽出されない場合

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- ・ひかりセレクトURL

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パルス =, C







最初の投稿者になりましょう!





フォローするアイテム 0





CO

Success

1.Al chatbots to improve operational efficiency of enquiry operations

Quick response and 96%+ correct response rate

2. Automation of subsequent processes from the chat UI

Automated core system enquiry, input and form generation.

3. Zero Back Office Operations

Zero by operation of goods request operations.

Success

1.AI chatbots to improve operational efficiency of enquiry operations

Automate some of the back-end operations. Al chatbots alone are not sufficient to achieve automation for all inquiries.

In back-end operations, there are complex system operations other than "inventory confirmation operations



A certain amount of "work that cannot be answered without checking documents such as manuals" such as service specification confirmation and fees exists.

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In The Future

Pega GenAI to drive further automation

Complex Inquiary

Simple **Inquiary**

Check

Entry

Expansion of

Automation of goods-related works

Pega GenAl Knowledge Buddy™

Expanding from 2022 services

Digital Messaging Service

Pega GenAI



KATA-GAMI

Application form

In The Future

Pega GenAI to drive further automation

Challenge

Inquiry work

Complex Inquiry



After Using GenAl



Inquiry work + RAG

From operations manuals, Search and answer With Knowledge Buddy

Thank you for your attention



