PEGA

Breakout | Customer Service

Community Forum

Rabobank's Smart Investigate - Journey to the Pega Cloud

Pega SI at Rabobank

The Realm of Pega Cloud in Rabobank Payments

Rabobank

Our story

1895 - Several banks were set up in different parts of the Netherlands based on the Raiffeisen system. This organizational model was based on self-help, taking individual and mutual responsibility, and the involvement of all stakeholders.

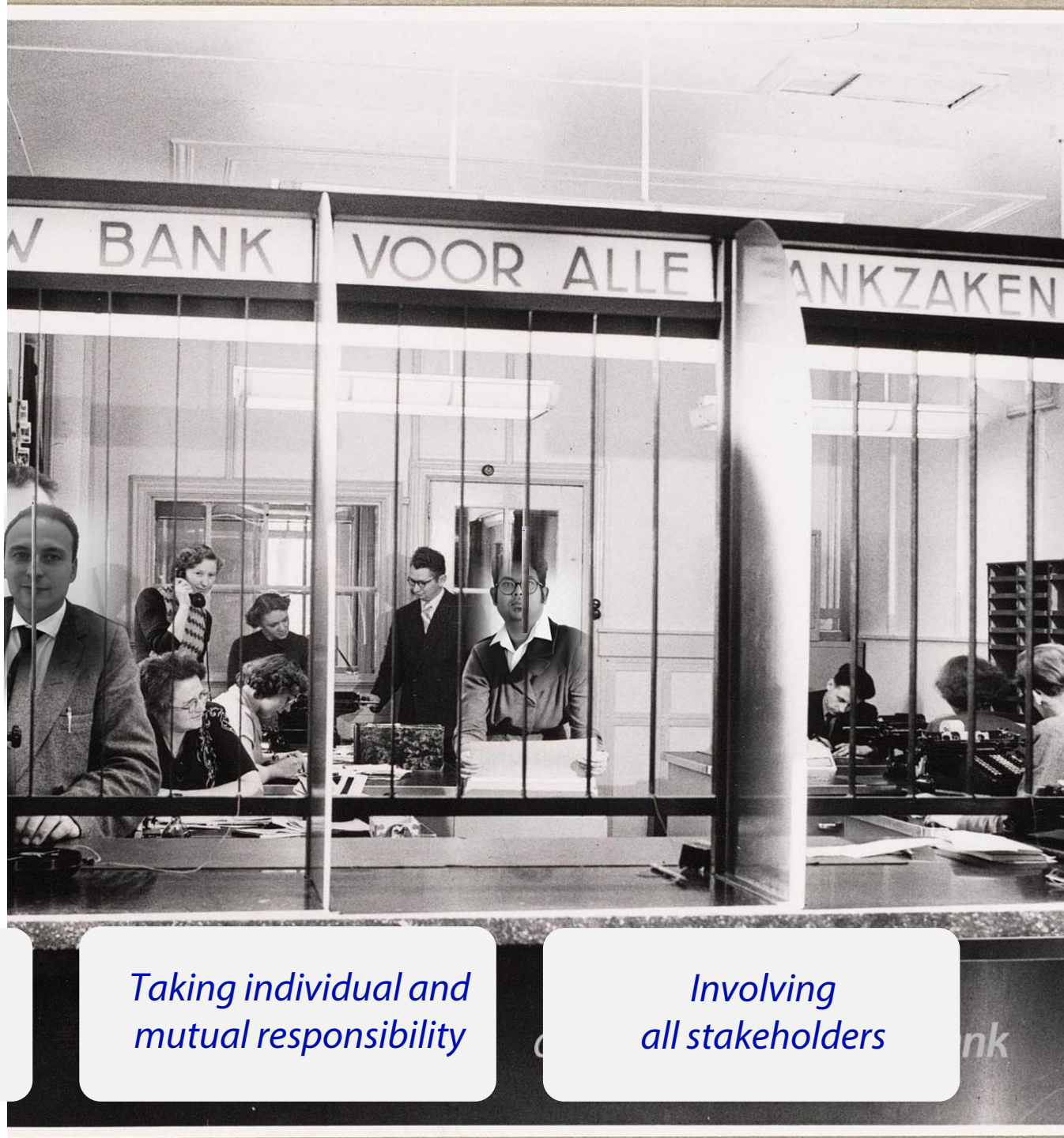
1910 – 600 banks 1920 – 1100 banks

1960 – almost every household has a bank account

Banking changed: Personal loanes and Mortgages of private customers.

To support the many banks in 1972 Raiffeisen bank and the Boerenleenbank merged into Rabobank

Today we are still committed to these same principles, and to making a difference in society.



Improving future agriculture and horticulture

Promoting self-sufficiency

Taking individual and mutual responsibility

Involving all stakeholders

The Realm of Pega cloud in Rabobank Payments

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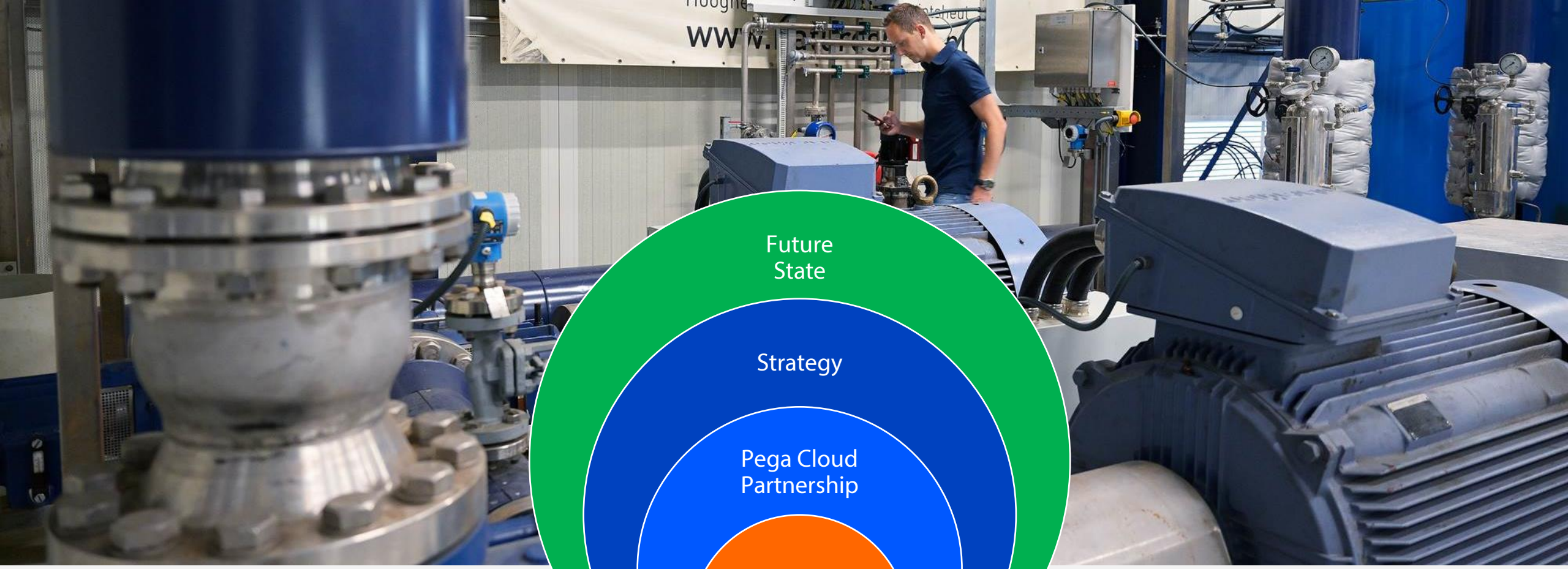
Pega Solution Architect

Tim Blonk
Product Owner Pega SI

de coöperatieve **Rabobank**



Agenda

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Rabobank at a Glance

Our Mission

Growing a better world together

Almost 9.1 million customers

8.3 million Dutch customers

0.8 million international customers

Rabobank in the Netherlands

Domestic Retail Banking

78 local Rabobanks
144 offices
2.2 million members
8.3 million private customers
0.8 million commercial customers

Wat we offer in the Netherlands

(amounts in EUR billions)

Dutch Private Mortgages
193.0

Lending to Food & Agri
40.4

Leasing
1.3

Savings
152.9

Lending to Trade, Industry and Services
75.4

* Situation on December 31, 2022

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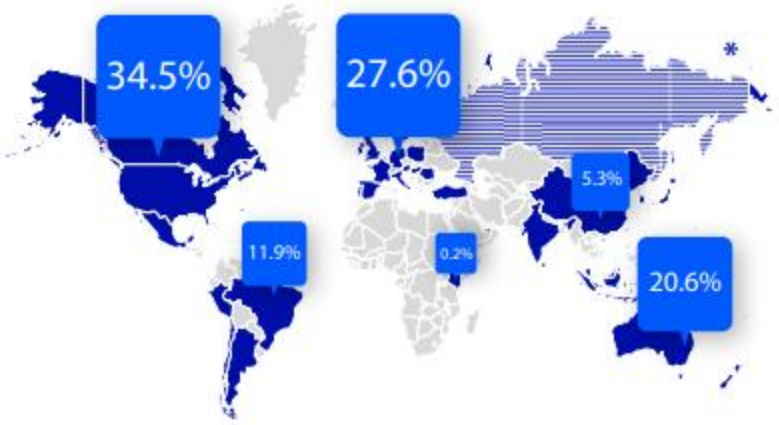
Rabobank at a Glance

Situation on December 31, 2022

International

36 countries



€ 73.0 billion

Private sector lending to Food & Agri

€ 39.0 billion

Private sector lending to Trade, Industry and Services

€ 34.6 billion

Leasing

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Pega SI in the Payments domain

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Processes

Payment Investigation application consists of below high level processes

Investigations - WorldPay

- Unable to Apply
- Cancellation request
- Beneficiary Claims Non-Receipt
- Amendment Request
- Return of Funds (CT)
- Bank to Bank
- Blanco
- Miscellaneous

Investigations - SEPA

- Unable to Apply
- Cancellation request
- Beneficiary Claims Non-Receipt
- Amendment Request
- Return of Funds (CT)
- Bank to Bank
- Blanco
- Miscellaneous

Investigations - Cash

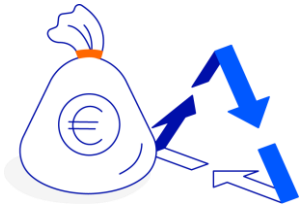
- Sealbag

Investigations – Direct Debit

- SEPA Direct debit On hold

Value Transfer - Savings

- Incoming Value Transfer
- Outgoing Value Transfer



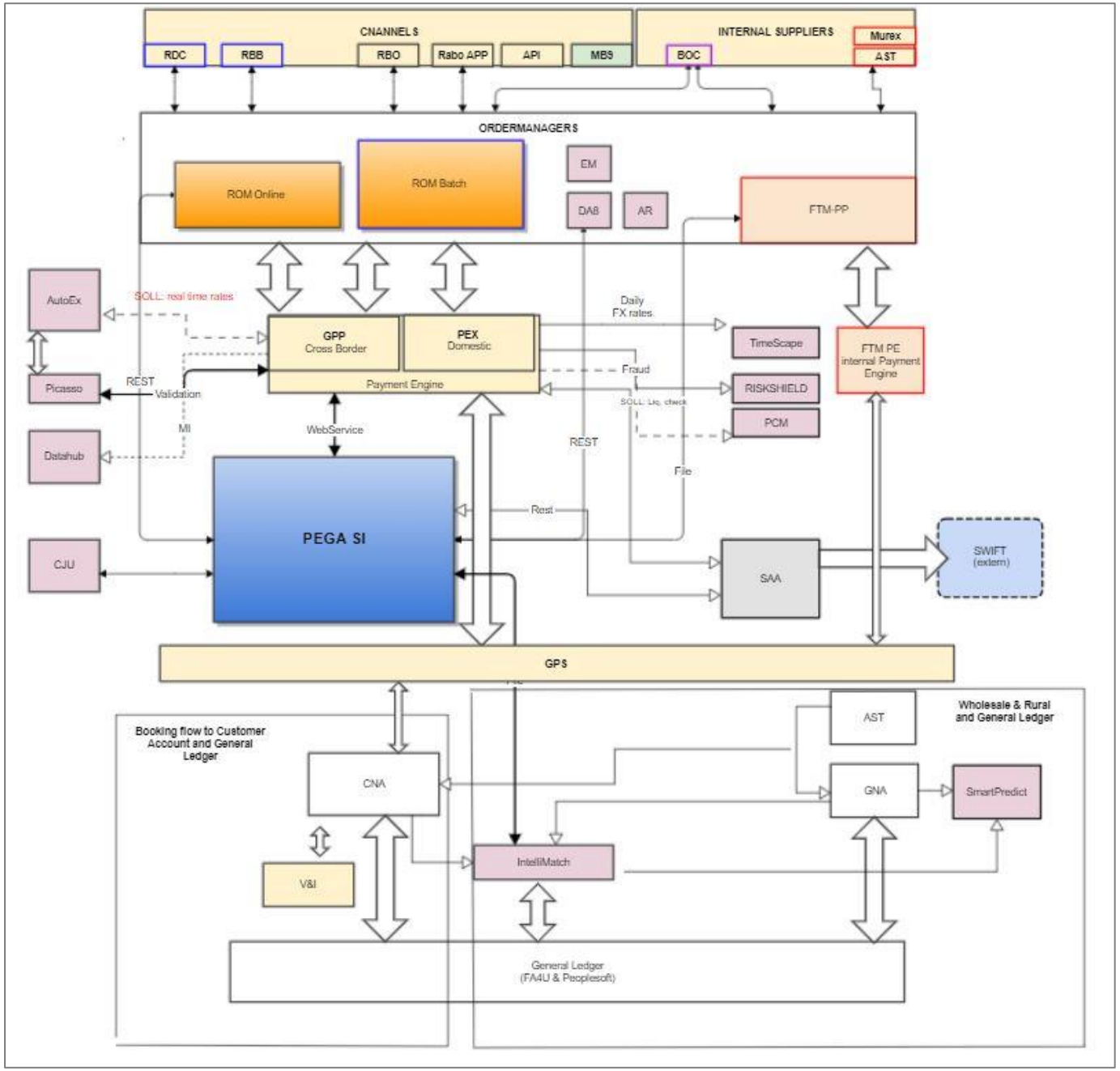
Reconciliation – Nostro

- Nostro Account
- Internal Account

Pega SI in Payments Landscape

Pega SI application exitance in the Payments landscape – An AIC 232 application

- Connected with various Order Manager apps
- Payment execution apps
- Swift externally
- Wholesale and General Ledger for reconciliation processes
- Foreign Exchanges
- Front Office Siebel application through a number of api to perform client communications



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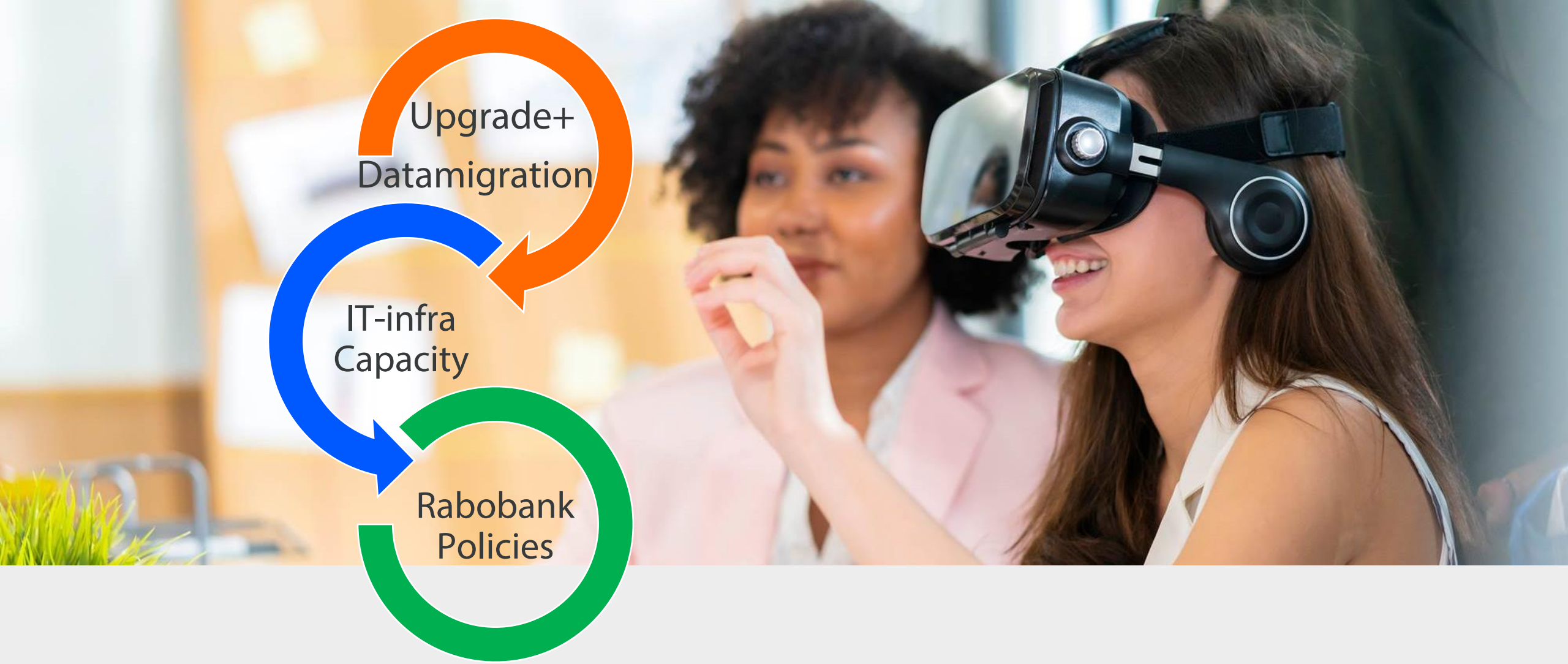

Pega Cloud Partnership

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Rabobank Policies

- Buy over build
- Cloud First
- SaaS over PaaS

Known

- Knowledgebase in Rabobank
- Sharing of components
- Datamigration by Pega

Live Cycle Management

- Infrastructure
- Security
- Monitoring
- Product upgrades

Pega Cloud Partnership

Road to Go live

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Risk Factors "Go live"

AIC 232 Application

- High value transactions
- No downtime during office hours
- Highly secured acces control
- Secure connections
- Signed messaging (anti-tampering)

Posibility of fased Go live

- 90% of Processes need historical data which means Datamigration
- 33 interfaces

Pega Cloud Live – At a glance

Assessment and Readiness

Platform, Application and Database assessment

Cloud compatibility

Assess the size & scope

Modernization

Upgrade Interface

Unsupported integrations

Design new integration patterns

Derisk implementation through on prem

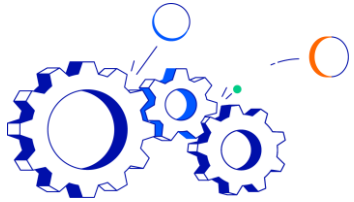
Ex: Event Bus, Funnel

Rule Migration

Business as usual on prem

Rule upgrade and migration plan

Tracking and retrofit



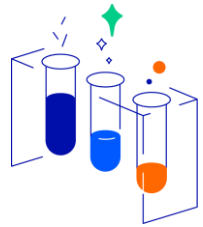
Data Migration & Shadowrun

Involving Lead architects in setup design

VPN tunnel, OCM, IP whitelist

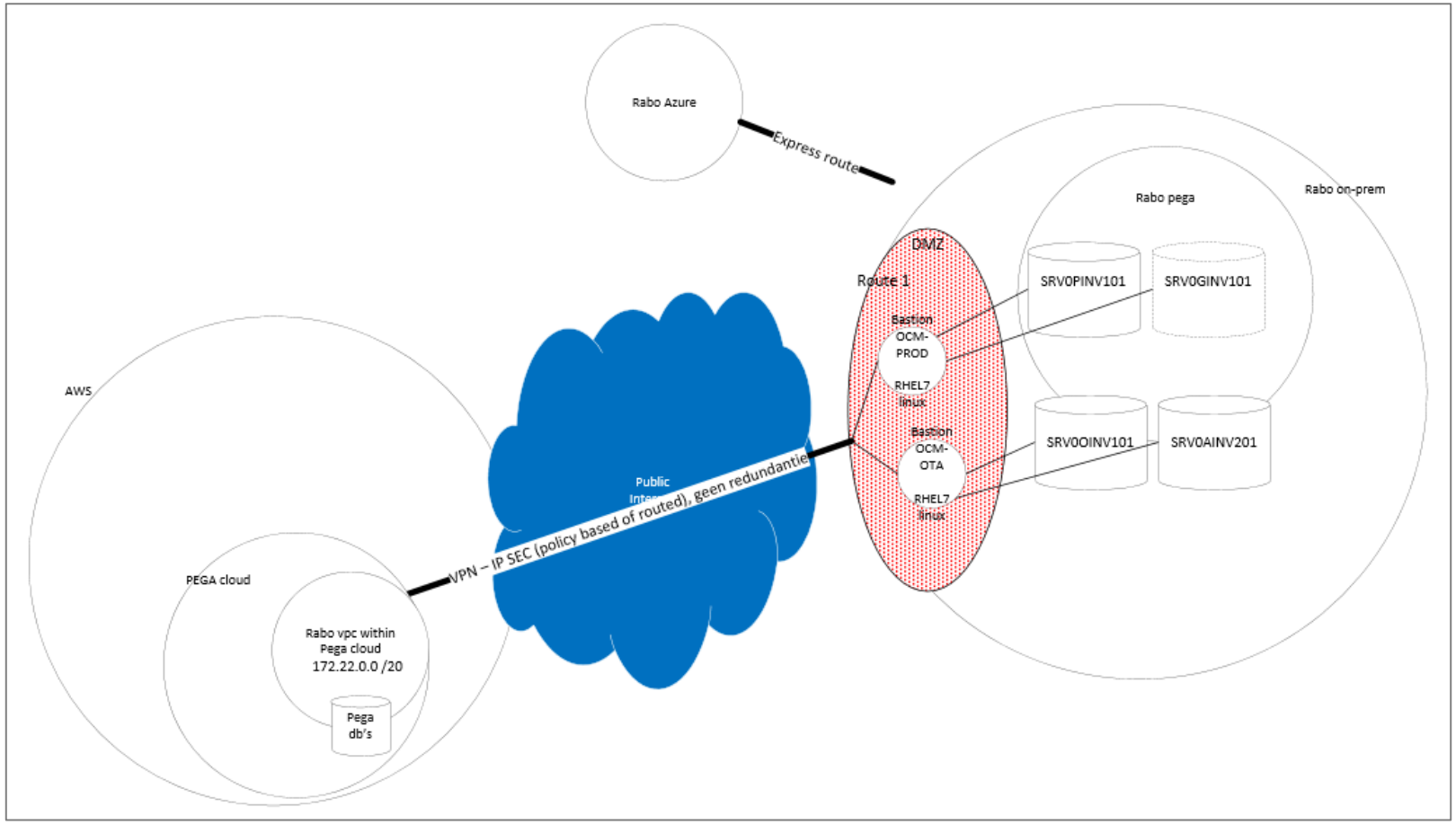
Connection test

Shadowrun with process onboarding



Data Migration

- Rabobank Payments Pega Cloud VPC with reserved IP space
- VPN setup through public internet connected to DMZ route
- Connect to dedicated Oracle Connection Manager specific to the environment
- Access to Rabobank Pega on-prem environment



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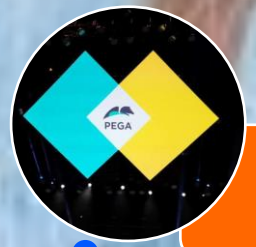
Future state

Pega Cloud Live

Process optimisation



Pega Infinity

User Journey Optimisation

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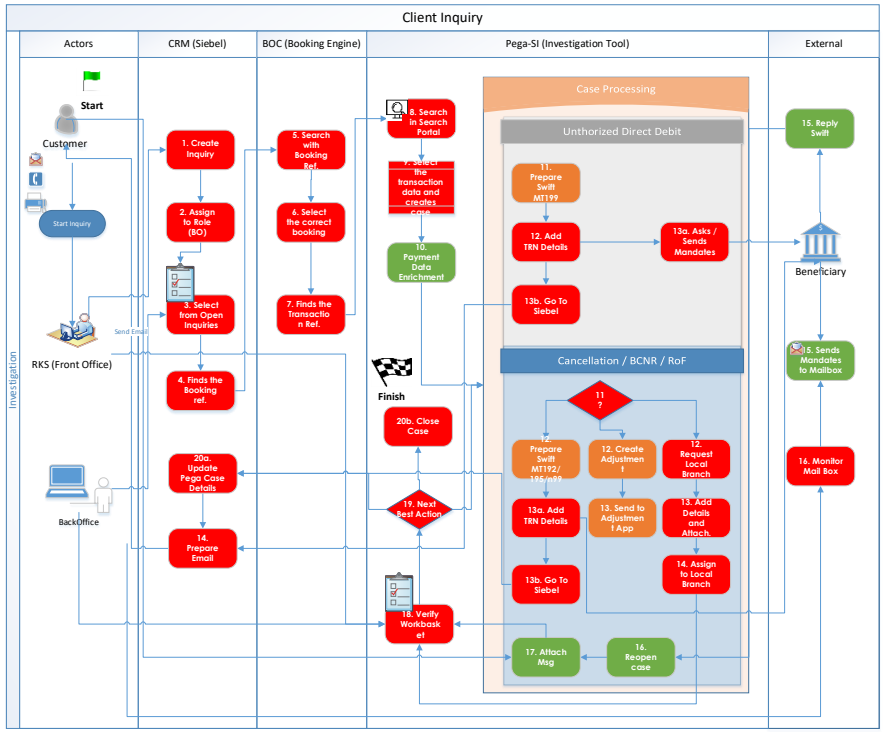
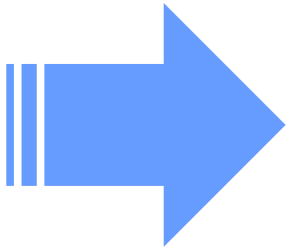
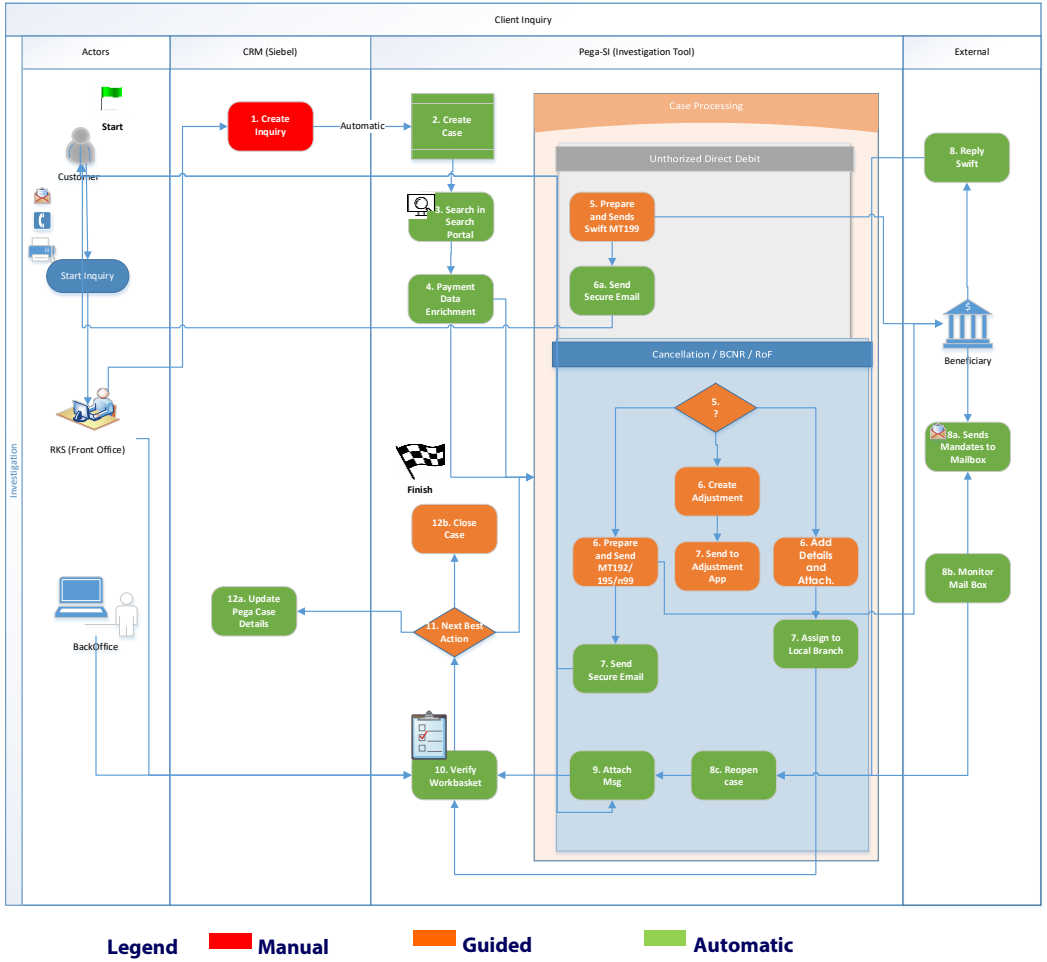
Optimisation - Process







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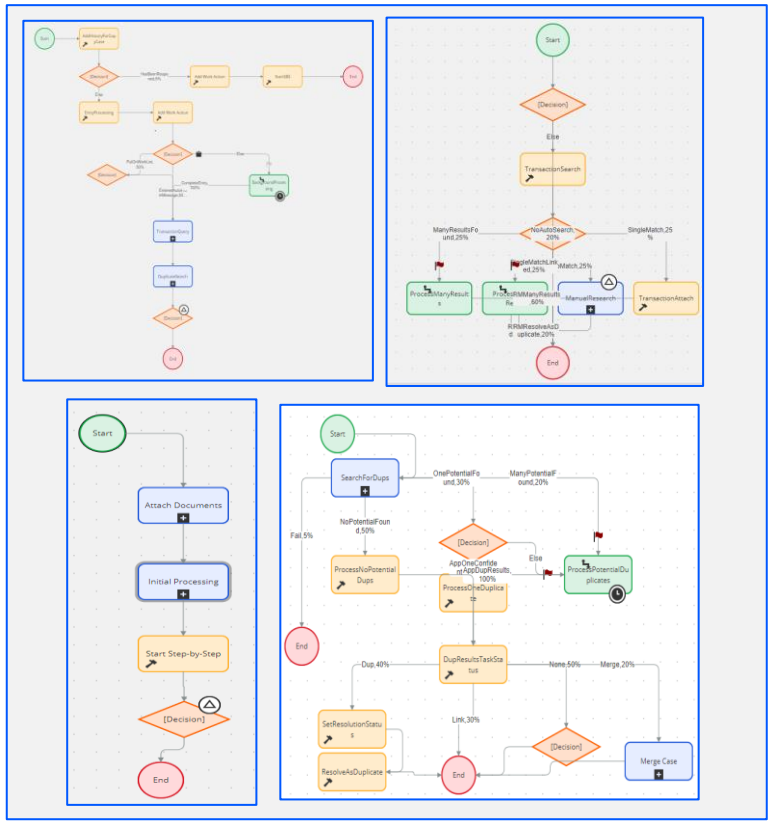
Infinity Based



Case life cycle

1. Attach	2. Process	3. Transaction & Dup Sea...	4. Start Step By Step	5. Resolve	+ STAGE
Attach Documents for Bra...	Initial Processing	Transaction Query	StartStepByStep	EndNewWorkFlow	
1. Check Reopen Co...	1. AddHistoryForCop...	1. No Auto Search?	1. Start Step-by-Step	1. End Exception Flow	
2. Is A Branch User?	2. ReOpen Check	2. PaymentSearch	+ STEP	CONFIGURE PROCESS	
3. Is A Branch Work ...	3. EntryProcessing	3. SearchStatus			
4. Attach Documents	4. Add Work Action	4. TransactionAttach	Step By Step Processing		
5. Reset User Organi...	5. Routing Check	5. ProcessManyResu...	1. SetupStepByStep		
CONFIGURE PROCESS	6. Assign to WorkList	6. Process Single Res...	2. Restart Assignme...		
	7. BackgroundProce...	7. ManualResearch	3. Auto Ack?		
	8. Add Work Action	CONFIGURE PROCESS	4. Send Correspond...		
	9. StartSBS		5. StepByStep		
	CONFIGURE PROCESS	Search for Duplicates	6. End Step By Step		
		1. SearchDuplicates	7. Transfer		
		2. ProcessNoPotenti...	8. Request Informati...		
		3. DupResultsTaskSt...	9. Duplicate Search		
		4. Is Result None	10. Diarise		
		5. SetResolutionStatus	11. Create FTM Adjust...		
		6. ResolveAsDuplicate	12. CreateAdjustment		
		7. Merge Case	13. Merge Case		
		8. Check Dup Count	14. Restart Assignme...		
		9. ProcessOneDuplic...	CONFIGURE PROCESS		
		10. ProcessPotentialD...	Set EndExceptionFlow		
		CONFIGURE PROCESS	1. End Exception Flow		

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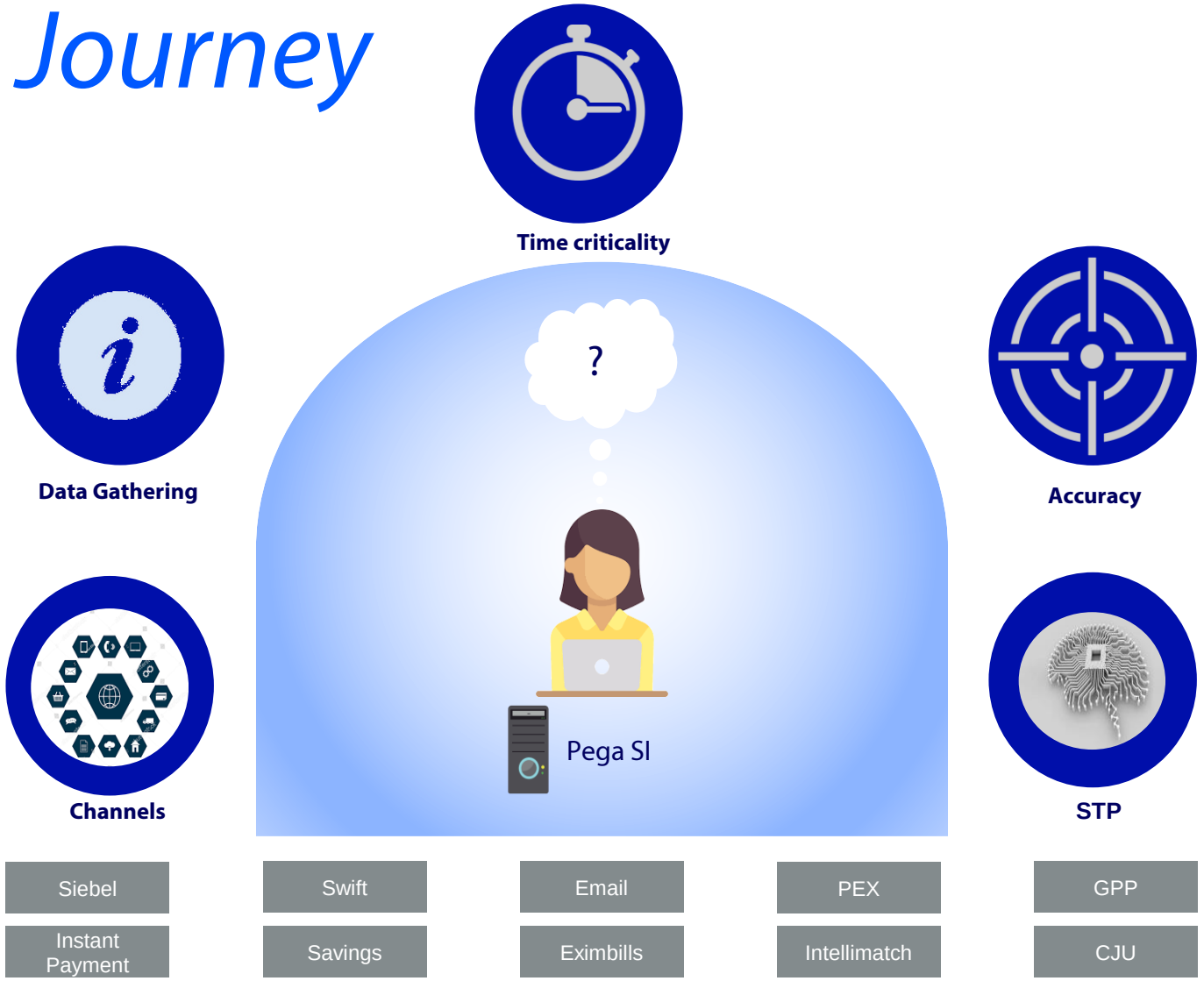
Optimisation - User Journey

- **Leverage technology** to identify exceptions, generate alerts and automate repairs and reprocessing
- **Reduce cost per investigations** of the case types based on an agreed criteria
- **Make complex processes simpler & cost efficient**
- Map the **PEGA SI user journeys** with upcoming infinity adoption
- Seamless user experience combine with **Pega case management** through stateless **interpreter DX**



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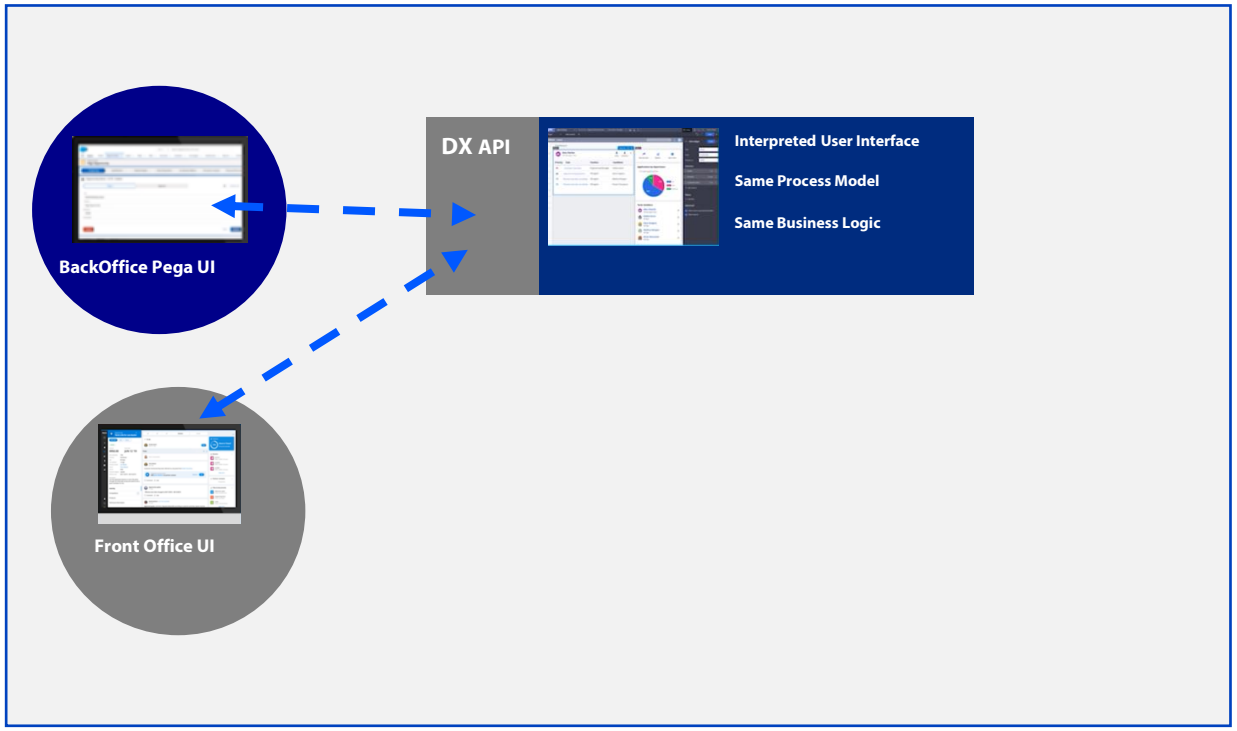
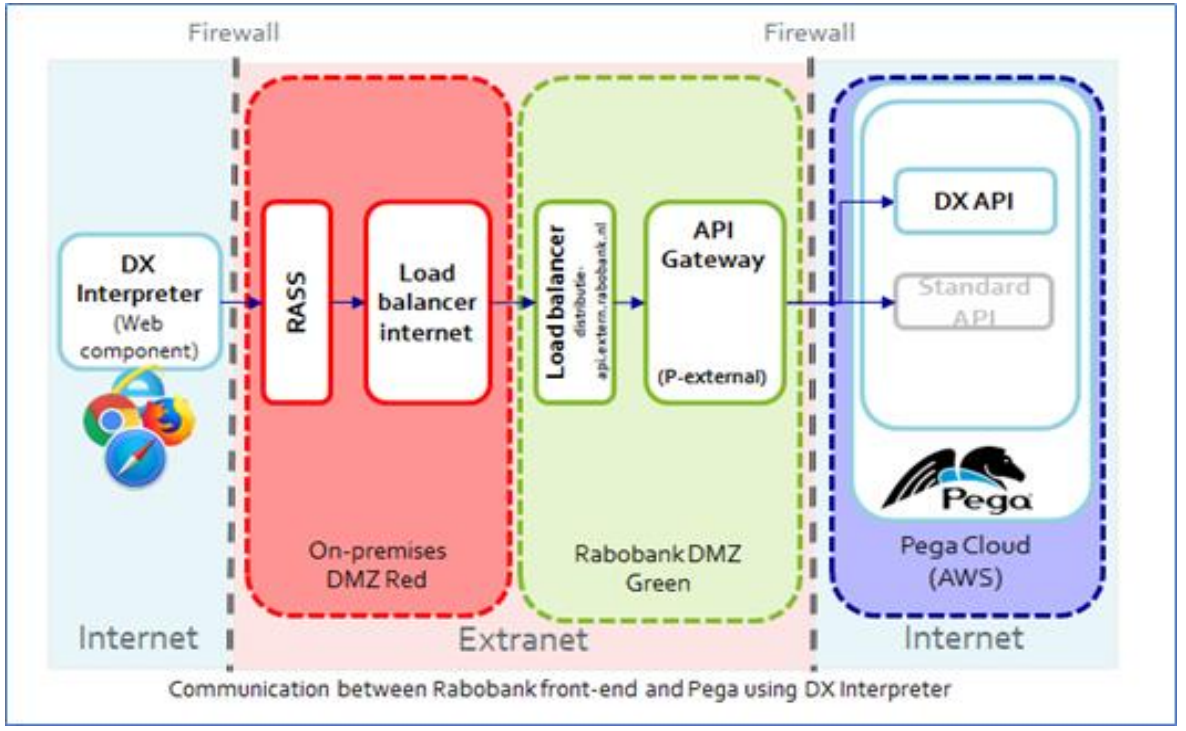
Thank you for your attention

Optimisation – User Journey through DX





- A centralized web component “DX Interpreter” invokes the APIs exposed on the API Gateway
- Reuse Rabobank defined authentication mechanism for Customer, Employee or Visitor – In this scenario it will mostly be Employee authentication
- Usage of API endpoints on gateway – based on authentication mechanism chosen

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