



PegaWorld

JUNE 1-3, 2025 | LAS VEGAS

Information shared during PegaWorld is not an offer or commitment by Pegasystems and does not create any legal obligation for Pegasystems, including to deliver any material, code, or functionality. The timing of the development and release of any features or functionality described about our products remains at our sole discretion. ©2025 Pegasystems Inc.

Transforming Legacy Systems, Fast

A journey at the State of New Jersey



New Jersey Courts



Agenda

- Pega's Approach to Legacy Transformation
- NJ Courts Strategic Objectives
- Before: Pega Journey & History
- Current: Key Points & Learnings
- Strategic Vision & Implementation

Featuring:

Lakshmi Narasimhamurthy

Senior Project Manager
State of New Jersey - Judiciary

Edwin Fernandez

Assistant Director, Application Development
State of New Jersey - Judiciary

Sean Callahan

Sr. Product Marketing Manager
Pegasystems



Transformation *reimagined*



PEGA GenAI Blueprint™ My Blueprint Dashboard

RETAIL BANKING • BP-1004
Tech Entrepreneur Loan

Context Case Types **Case Lifecycle** Case Data Live Data Personas Summary

Let's define the Lifecycle for each Case Type ⓘ

Select a Case Type: Business Plan Review Edit Lifecycle

Business Plan Review CASE TYPE
This case type represents the business plan review process for a small business loan application. It includes assessing the viability and potential of the tech entrepreneur's business plan, analyzing market conditions, competition, and growth projections. They must also qualify as either - An existing business started within the past year, or - An busi...

Capture Information	Documentation Validation	Loan Application Review	Loan Application Resolution	Loan Disbursement
<input checked="" type="checkbox"/> Collect Applicant Information	<input checked="" type="checkbox"/> Validate Business Plan	<input checked="" type="checkbox"/> Operational Area Check	<input checked="" type="checkbox"/> Risk Acceptability Check	<input checked="" type="checkbox"/> Initiate Funds Transfer
<input checked="" type="checkbox"/> Collect Business Plan	<input checked="" type="checkbox"/> Validate Financial Statements	<input checked="" type="checkbox"/> Loan Amount Limit Check	<input checked="" type="checkbox"/> Assign Loan Manager	<input checked="" type="checkbox"/> Notify Applicant
<input checked="" type="checkbox"/> Collect Financial Statements	<input checked="" type="checkbox"/> Plan Feasibility Score	<input checked="" type="checkbox"/> Assign Underwriter	<input checked="" type="checkbox"/> Loan Approval	
<input checked="" type="checkbox"/> Application Routing	<input checked="" type="checkbox"/> Underwriter Approval			

Back Preview my app Save and Close Next



**Rapid
analysis**

**Intuitive
Blueprint**

**Future-proof
architecture**

New Jersey Courts: Objectives



Today's challenge...



Core business workflows
run on the mainframe



7-10 years to retire legacy
estate and convert to
modern platforms and code



Using a manual approach:
Legacy code → documentation
→ re-engineering



State of New Jersey Goals



Customer Experience

Enhanced customer experience for both court staff and external customers such as attorneys, police officers, prosecutors, and general public



Operational Efficiency

Increase operation efficiency by streamlining processes and adapt to changing business needs



Culture of Innovation

Encourage a culture of innovation by adopting best practices and fostering a mindset that embraces change



Fewer Siloes

Breakdown siloed approach to application development. Develop coherent strategies that provide a unified approach to achieving business objectives



Accelerate Product Development

Speed up product development cycles to time to market

New Jersey Courts: Current State





2012

2017

2020

2021

2025

Future



Start Pega
journey



Criminal
Justice
Reform




Migrate to
Pega Cloud;
99%+ uptime



Established
EAI team &
COE

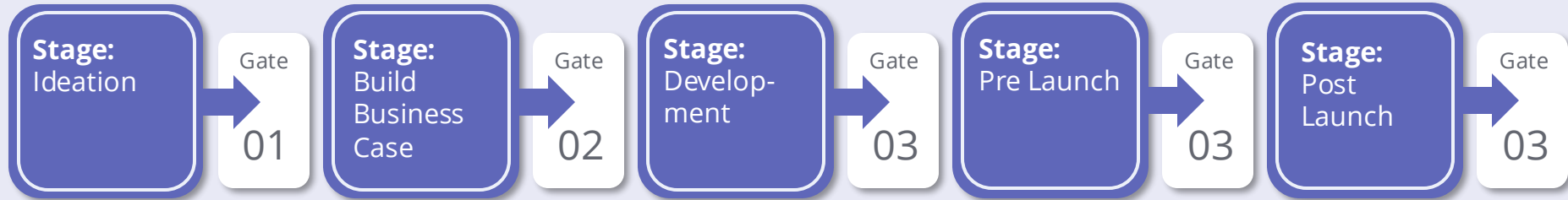


90+ Pega
apps built



Trustworthy
AI with
governance

Center of Excellence



- Business capability Checklist – functional, non functional requirements

- Design document
- Approved UI/UX mockup

- Code review document
- Fix guardrail violations
- Complete security checklist
- App is running in QA & demo
- Sizing exercise as needed

- Load test results
- Review & fix any performance issue
- Vulnerability scanning
- Check runtime behavior with PDC alerts & exceptions

- Check runtime behavior with PDC alerts & exceptions in Prod
- Tech debt documents

New Jersey Courts & Pega



Jury Management

Manages the entire case flow from creating a database of eligible users to sending summons to managing jury selection

Moved from vendor tool to custom-built solution



Municipal Complaint System

Allows police officers to file complaints and issue summons or warrants; forms the basis for other complaint systems

90% efficiency increase in entering complaints



Enterprise Warrant System

Manages the warrant lifecycle in one system that integrates with three different siloed mainframe case management systems

Will sunset many mainframe screens & add functionality

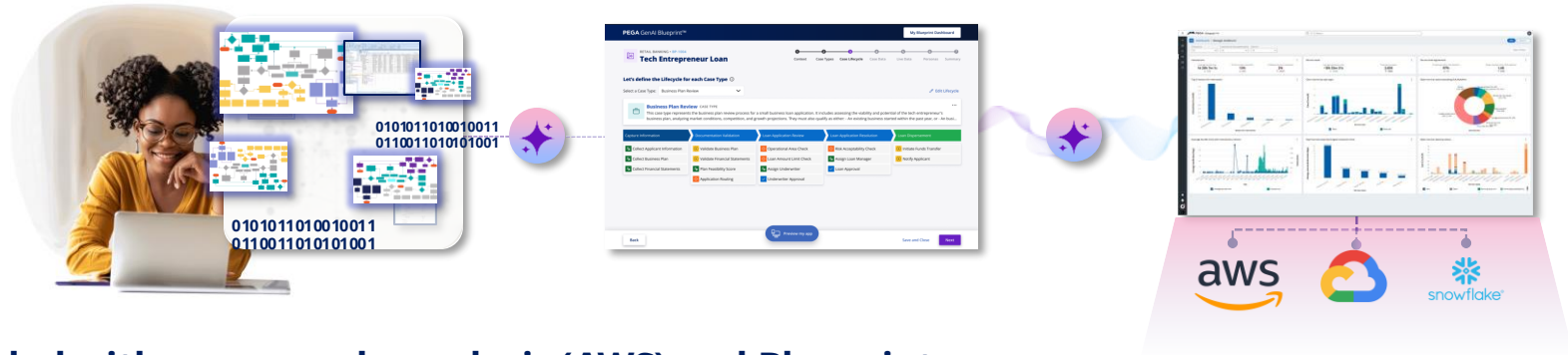


New Jersey Courts: Transformation & Beyond

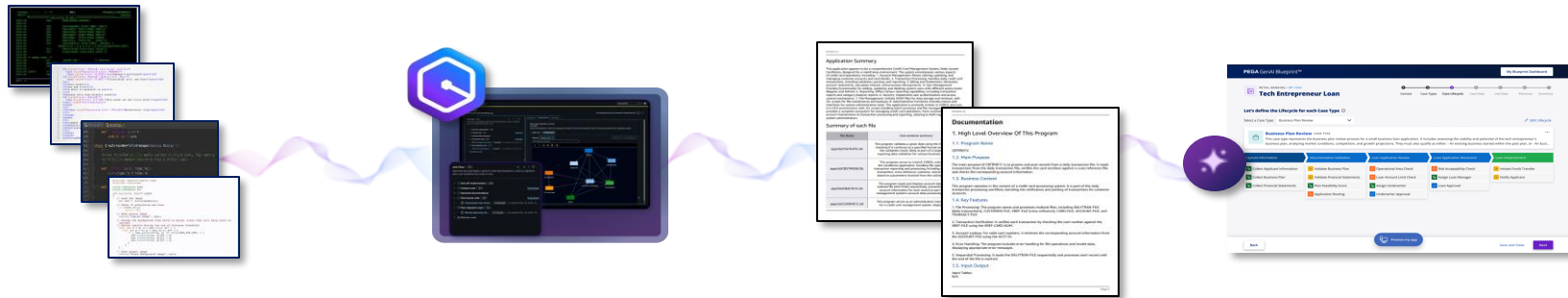


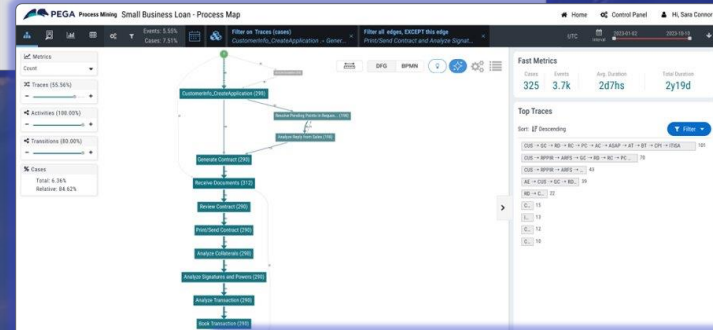
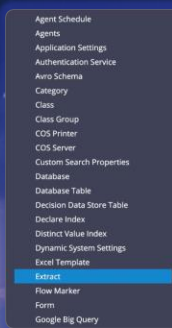
Two Approaches to Accelerate Modernization

Human-led with AI and Blueprint



AI-led with source code analysis (AWS) and Blueprint





Don't miss more Transformation stories tomorrow!



Keynote: Beyond Resilience:
Architecting Tomorrow's
Enterprise

Grand Garden Arena

10:30-11 a.m.



How AI-powered Development
with Pega Leads to 8x Faster
Go-lives

Chairman's Ballroom 365

2:15-3 p.m.



Transforming Telecom: V.tal's
Journey from Legacy Systems
to Cloud-powered Excellence

Chairman's Ballroom 359

1:15-2 p.m.



...and don't forget to come
find the Enterprise
Transformation booth at the
Innovation Hub!



PegaWorld

JUNE 1-3, 2025 | LAS VEGAS



PEGAWORLD.COM