

Keynote | **Build for the Future**

Community Forum

The future is autonomous - Building a selfdriving business with Al-powered decisioning & workflow automation.





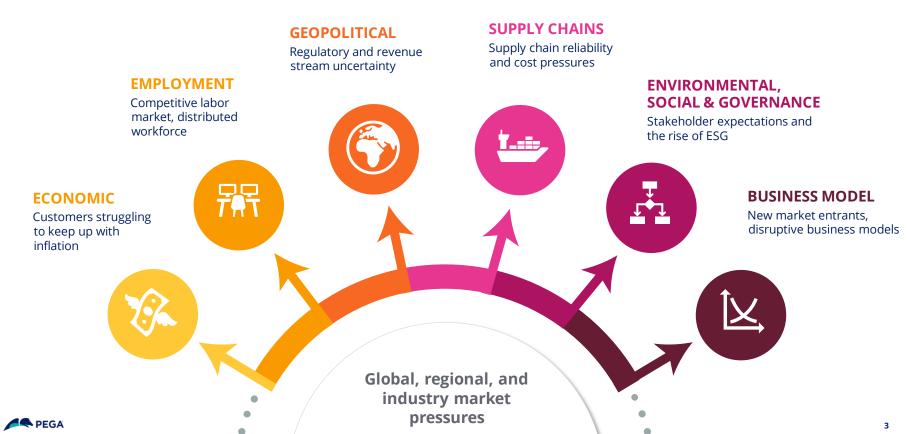
The Future is Autonomous

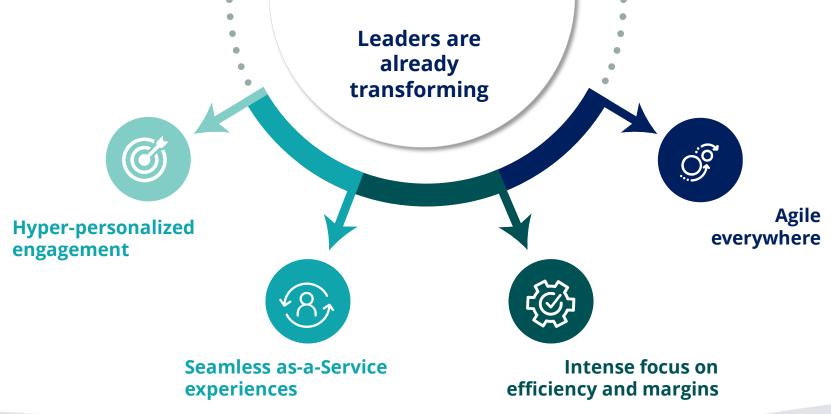
Building a self-driving business with Al-powered decisioning & workflow automation.

November 2022

Complex forces are driving disruption

making things harder than ever for your customers and your business





AUTONOMOUS

Organizations are looking to better align and become more autonomous across their operations, service, and engagement

96%

operations leaders say building an adaptable business is a priority

25% say they're an intelligent automation enterprise



There is no finish line.

You can't stop the rate of change.





Pega builds agility into your organization so you can work smarter, unify experiences, and adapt instantly

Our low-code platform for Al-powered decisioning and workflow automation lets you:

Personalize **Engagement**

Accelerate
Acquisition
& Onboarding

Automate Customer Service

Streamline **Operations**

Resolve **Exceptions**



£100M profit increase in a single market from 3x higher

offer acceptance



From days to hours reduction in time to onboard new vendors

Elevance.

3-minute reduction in average handle time across 10K agents and 100 service processes



2X productivity of 400K field staff with zero downtime



70% faster dispute resolution



Drive scalable, mission-critical value across your enterprise.

Personalize **Engagement**

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Automate Customer Service

Streamline **Operations**

Resolve **Exceptions**

True value comes from connecting these capabilities across business functions.

As only Pega can.



The rise of autonomous







Driving

Warehouses & factories

Surgery

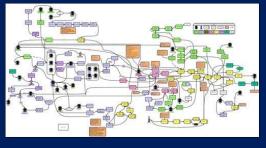


The rise of autonomous









Driving

Warehouses & factories

Surgery

...But not business?

Autonomous Enterprise

Delivers hyper-personalized experiences at scale
throughout the customer lifecycle – from engagement to service through operations
driven by AI, automation, & continuous optimization.











Learn → advise → drive



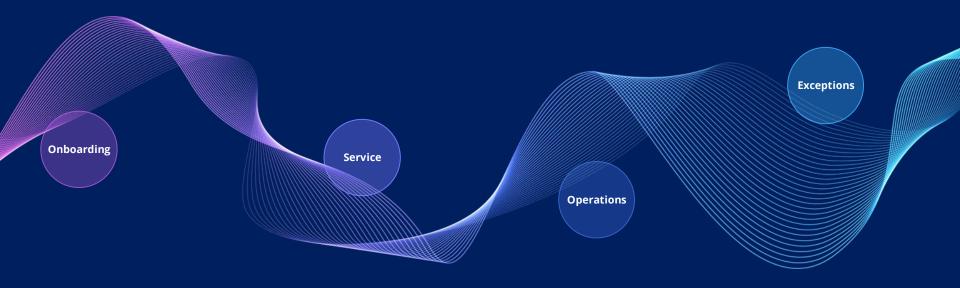




outcomes Align your workforce to your strategy **Engage with** intelligence & personalization Guide employees Continuously **Optimize & improve**

PEGA

Automate end-to-end





Engage with intelligence & personalization

Self-service Chat & ema Voice Al



Align your workforce to your strategy

End-to-end visibility Intelligent routing Al-driven prioritization



Guide employees

Optimized design system Al-driven decision insight Knowledge management



Automate end-to-end outcomes

Low-code development Al developer assistance Scaled governance & communit



Continuously
Optimize & improve

rocess mining /orkforce intelligence







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Success demands the right business architecture & approach



Many organizations make 2 common mistakes:

- Embedding business and process logic into siloed front-end channels
- Burying business and process logic into complex, product-centric **back-end** systems



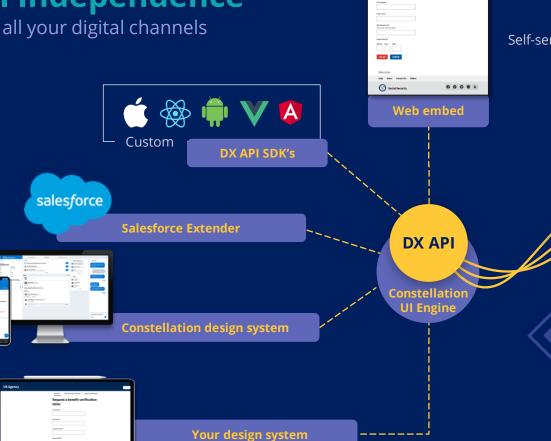
Center-out™ Business Architecture

Put the customer journey, workflows, and decisions in the center













Employee portals & Customer

Service

app

Desktop

Native mobile



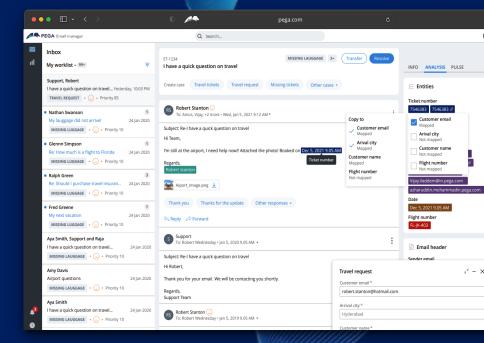




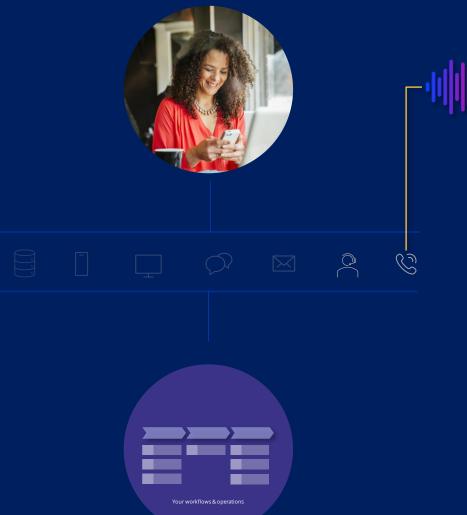


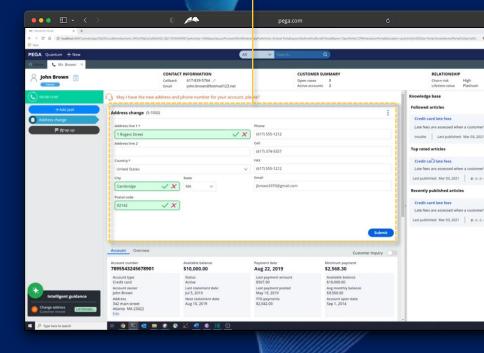






Understand chat & email with Al



























Understand chat & email with Al

Real-time AI to arbitrate the Next best action

Incoming Data Triggers Constant Re-Decisioning (<200 ms)

Browsing History

Identifies Active Behaviors & Motivation

Inbound Content Clicks

Reveals Categories of Interest or Evaluation

Outbound Click-Throughs

Reveal Treatment & Timing Propensities

Streaming Events

Provide Purchase, Retention & Service Predictors

Active Agent Dialogs

Uncover Motivational & Emotional States

Rejection Rationales

Reveal Readiness Levels & Decision Drivers

Contiguous Interactions

Connect Previously Disparate Experiences

Conversion Events

Trigger Cross-Channel Context Shifts



Next Best Action

Proactive Retention Offer

- Sales Offers
- Retention Offers
- Pre-Emptive Service Nudges
- Nurture Messages



Data and integration APIs Consume any local or enterprise data source with Live Data customer > C360 **Data lakes** account > **Products Microservices** 3rd party **PEGA** LIVE **DATA ROBOTICS** Legacy 🛹 PEGA





Engage with intelligence & personalization

Self-service Chat & ema Voice Al



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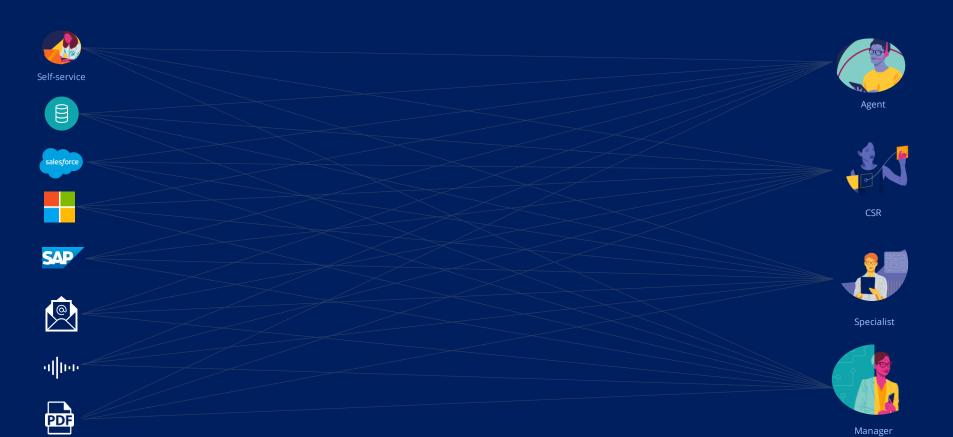
Low-code development Al developer assistance Scaled governance & communit



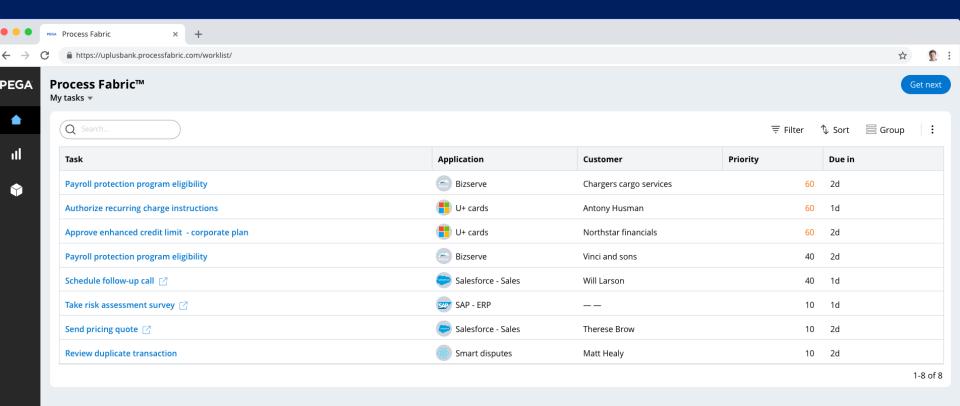
Continuously
Optimize & improve

ocess mining orkforce intelligence



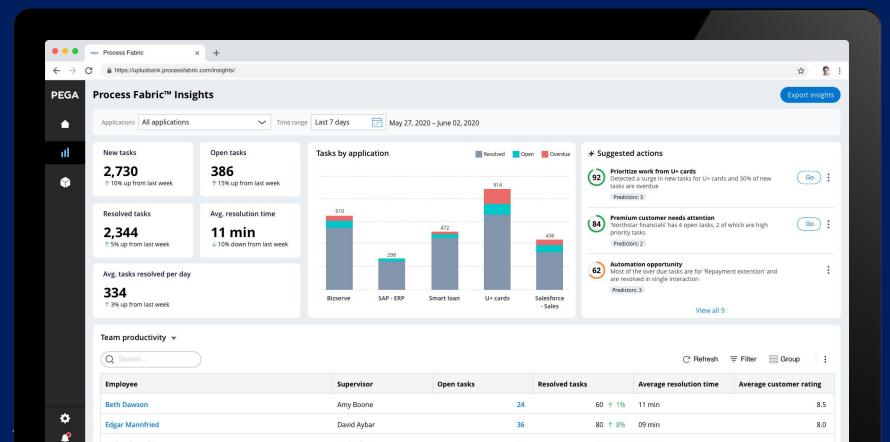


Route, assign, and prioritize across your organization.



Provide transparency across your organization.

Build tailored reports & worklists which showcase progress toward your goals.







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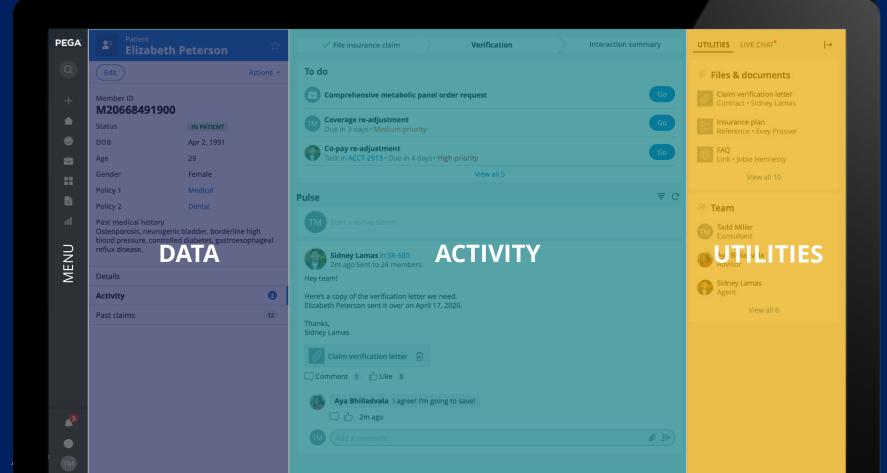
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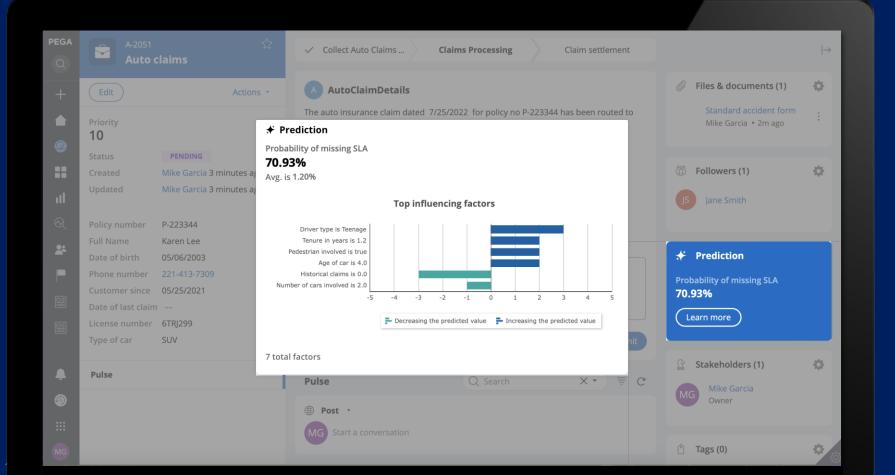


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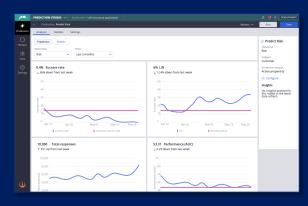












Transparent

Insight & audit into the key factors which drove AI to make the decision it did.

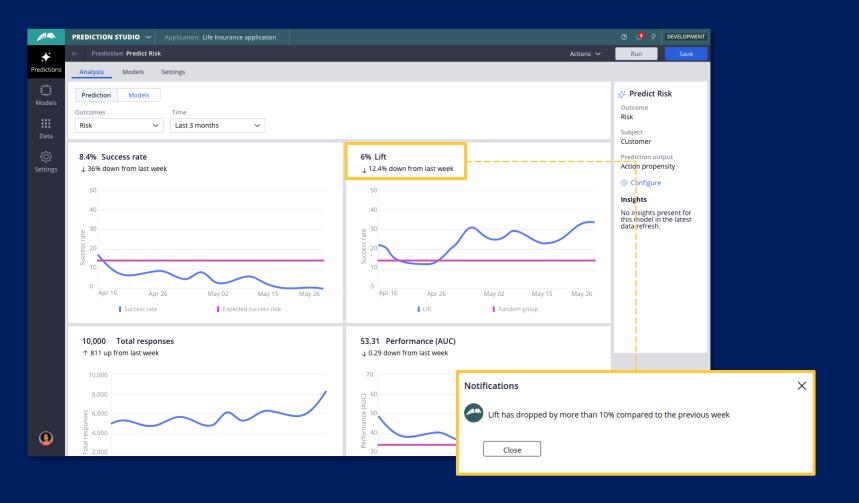
Governed

Decisions which operate within boundaries – and are guided seamlessly by Al, rules, and people.

Trustworthy

Monitoring & alerts which ensure Ai is operating responsibly and effectively.









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Workflow automation powered by case management

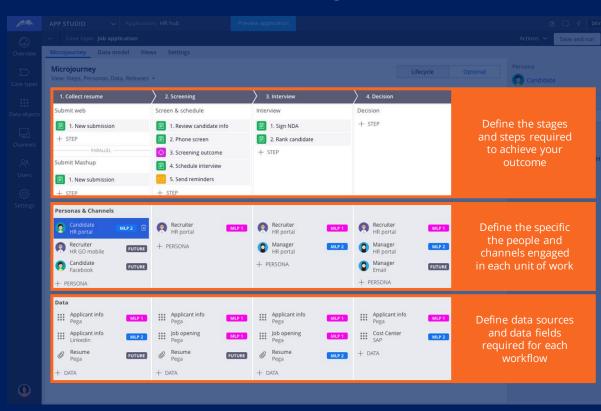
Low-code App Studio enables business and IT to collaborate to create the right workflows



Define data, people and process with workflow automation powered by case management



Add Al powered automations and decisions into any workflow





Deliver intelligent automation

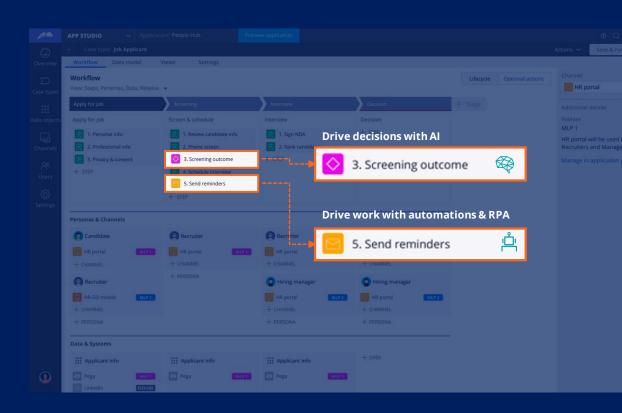
Leverage AI and RPA to automate decisions and optimize future process execution



Define data, people and process with workflow automation powered by case management



Add Al powered automations and decisions into any workflow





What is a case?

Workflow automation powered by Case Management

A **case** represents the work that an organization performs to achieve an outcome. The case provides the unified context for your processes, logic, data, and intelligence.









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What you think is going on





But there are loops and rework





And non-conformant processes





And slowdowns





What's actually going on





Pega Platform Roadmap

What's new in 2022 (Pega 8.7 & 8.8) Future (Pega 8.9+) Area **Feature** Low-code development UI view Accelerate end-to-end app development in App Studio Cross-case assisted App Studio authoring references Foster effective, consistent dev development with a low-code platform Low-code at scale Workflow Provide end-to-end visibility across applications App Factory templates Integrate Process Fabric & App Factory Guided user experience Self-Cosmos Insights & Enable a seamless, unified end-user experience across apps React service Pega Cosmos dashboards Streamline & accelerate Hybrid applications - embed Constellation & Section-based UI portals outcomes with workflow automation Process automation Better support event-driven automation Process RPA **OData** RPA & case management Fabric Studio designer Enhanced Kafka connector Self-optimizing workflows Adaptive Prediction **Process** Al model Deliver out-of-the-box AI predictions for all applications **Process Al and Process Mining** Gradient explanation Mining alerts Turnkey predictions for mining, SLA, case classification, and NLP extraction Optimize engagement & Boost widget (Beta) processes with Al-powered decisioning Surface Call center automation Auto-form Auto-launch Script Real-time voice-driven Next Best Action contextual cases adherence Voice Al knowledge Embed in Publish custom UI components for use in low-code apps Custom UI & headless workflow DX API Web Salesforce embed Simplify operations of Lightning DX API mission critical applications with an enterprise-grade Google architecture & cloud Scale & security anywhere New Deliver cloud-native scale, security, and flexibility Cloud microservices choice Cloud-choice



Pega Platform Cloud Architecture

