

Pega for the US Navy

Delivering defense modernization
with an agile, future-proof platform

The U.S. Navy (USN) mission is to maintain, train and equip combat-ready Naval forces capable of winning wars, deterring aggression and maintaining freedom of the seas. The recent budget increases are enabling the Navy to focus on restoring readiness and cost-effectively modernize the fleet, from equipment and logistics to recruitment and training. The current IT environment is comprised of disparate systems fielded at various times over decades. These systems were designed to address specific needs but were not designed to work together. The result is data silos that limit visibility across the enterprise and inhibit effective decision support.

Previous modernization efforts failed to realize intended results, exceeding cost and time estimates and generating negative headlines. The Secretary of the Navy called on sailors and their officers to “increase the velocity of change”. We can empower the USN to rapidly build outcome-driven applications through a model-based development environment, enabling users to build and deploy applications up to 12x faster than older, traditional development platforms. The Pega Government Platform™ also provides the ability to create applications with auto-generated documentation ready for review, so users have situational awareness within their applications and can accelerate change without compromising outcomes.

Why choose Pega for the US Navy?

- We're ranked by Gartner¹ and Forrester² as a leading solution for iBPMS, Digital Process Automation and Mobile App Development.
- Our patented, reusable architecture captures the complexity of the USN, allowing consistent governance and reuse while incorporating local process variations.
- The Pega Government Platform enables federated development so users across commands can work on parts of an application, without overwriting parallel development efforts.
- As the USN needs grow, Pega can scale to meet the demands of a global operational force.

Challenge

Preserving national security is the US Navy's mission-critical objective, and IT systems are the foundation for all naval operations. The current IT environment is comprised of numerous disparate systems deployed over decades. Sailors and their civilian colleagues are often forced to develop creative but inefficient workarounds to compensate for outdated systems.

Solution

The Pega for US Navy solution is powered by an agile, unified development platform to enable organizations to modernize effectively at a fraction of the cost and time of traditional software. Our technologies drive seamless delivery across functions and silos, providing collaboration and reuse of data models without re-work or loss of fidelity - giving the Navy the tools they need for today and the future.

¹Gartner Critical Capabilities for Mobile App Development Platforms 2017; Gartner Magic Quadrant for Intelligence Business Process Management Suites 2016,

²The Forrester Wave™ Digital Process Automation Software, Q3 2017; Real-Time Interaction Management, Q2, 2017

Pega is scalable enough to support tens of thousands to millions of transactions and was chosen as the enabling platform for the 2020 Census³. Agencies trust the Pega Government Platform™ to empower rapid transformation through automation of operational functions, such as:

Enterprise logistics management

- Use the Pega Customer Decision Hub™ and dynamic case management to maximize operational performance. Proactively optimize the cost and duty cycle of devices and systems by sensing conditions, analyzing them, and prescribing the next best action for prevention and repair, and manage exceptions.
- Bring together sensor data, event-streaming, in-memory databases and real-time analytics, enabling operators to proactively dispatch maintenance support, preventing failures and maintaining readiness standards.

Recruitment, onboarding, and personnel management

- Collect and integrate physical, mental and vocational test data received from potential recruits via multiple channels simultaneously, providing recruiters with a dashboard to track progress toward goals using analytics, Artificial Intelligence (AI), and contextually-driven decisioning.
- Integrate health, training, payroll, career field, qualification and performance data from legacy systems, enabling users to respond immediately to Force analysis and deployment requests.

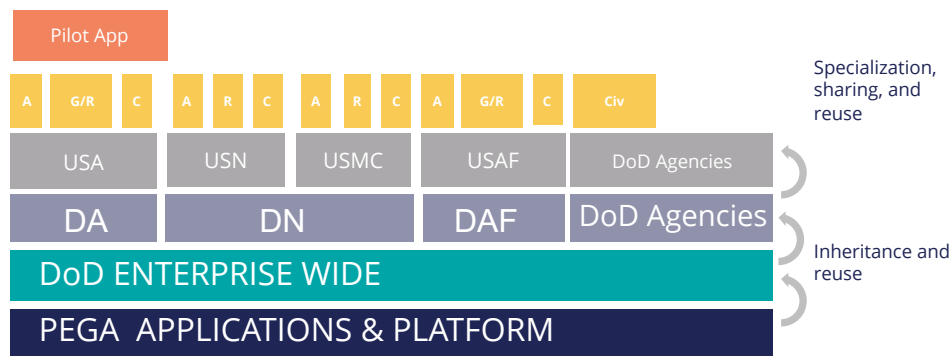
Accountability and management control

- Leverage Pega to build applications that automate reconciliation of transactional data from outdated systems. Track corrective actions and remediation efforts to mitigate risk and achieve unmodified audit opinions.
- Automatically generate documentation as applications are designed or changed with the no-code platform, creating an audit trail of all changes. This gives users insight into how applications work, and data is used while improving management controls and reducing operational risk.

Project and portfolio management

- Manage a portfolio of projects and initiatives across mission areas for Research and Development with a unified platform, so organizations can rapidly design, build, test, execute, monitor and optimize work activities collaboratively without the need to write code.
- Allow HQ organizations to establish and automate core processes and rules which can be inherited by subordinate organizations automatically. As changes are made, Pega's patented, reusable architecture provides specialization and reuse of models across mission areas while maintaining compliance.

³Governments Building for Change, US Census, <https://www1.pega.com/system/files/resources/2018-05/governments-building-for-change-v.pdf>



By allowing our clients to differentiate, specialize, and reuse business applications, Pega's Situational Layer Cake™ can dramatically accelerate the time to value to meet global demands