

Agile development

Agile and lean processes for rapid, efficient and effective systems engineering and software development



About Perspecta

Perspecta brings a diverse set of capabilities to U.S. government customers in defense, intelligence, civilian, health care and state and local markets. With offerings in mission services, digital transformation and enterprise operations, our 14,000 employees work tirelessly to not only execute the mission, but support the backbone that enables it.

Agile methodology

In today's environment, mission needs evolve faster than the traditional product development life cycle, resulting in project overruns, late deliveries, program cancellations, or deployment of systems that fail to meet the evolved mission need. Perspecta uses a rapid, adaptable, scalable and successful agile life cycle methodology that is designed to meet these challenges.

We help our customers

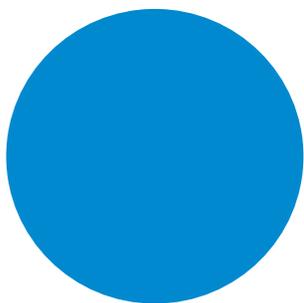
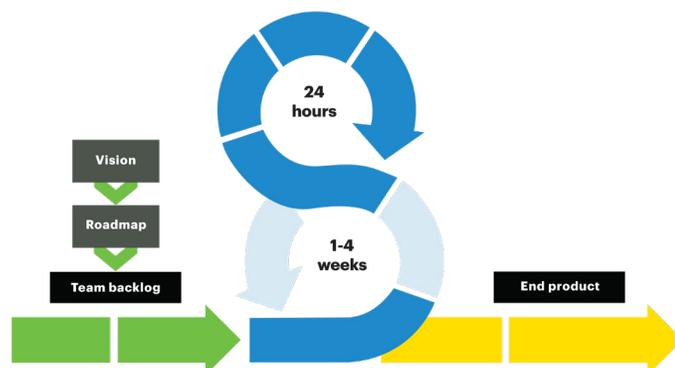
- **Transition:** We help you develop the strategy, vision, and step-by-step roadmap to guide your transition to being an agile enterprise
- **Tailor:** We advise you on how to custom-tailor your program and engineering processes for agile implementation across all stages of the life cycle
- **Manage:** We work with you to implement an agile program management approach with deeper visibility and control over cost, schedule, and performance
- **Implement:** We use practices drawn from Scrum, Kanban, eXtreme Programming, Test Driven Development, and DevOps, accelerating the path from need capture to mission value exploitation

Application

Agility entails quickly sensing and effectively responding to ever-evolving conditions. Demonstrable business results (working software, etc.) are delivered regularly by timeboxing development into a predictable cadence of iterations (typically one to four weeks). Each iteration includes all the tasks necessary to design, build and test a valuable increment of new functionality. At the end of each iteration, the team inspects and adapts its work and processes, and adjusts priorities. We harness the power of DevOps to enable a fully customizable release strategy – from large-scale increments to hyper-fast and radical “deploy at every commit.”

Agile methods can be applied in your environment to:

- Improve focus on value delivery via business-driven scope prioritization and regular customer feedback
- Manage and burn down risk and uncertainty through iterative development cycles
- Maximize collaboration between the mission and developers, and ensure innovation and productivity through self-organizing cross-functional teams
- Enhance quality and adaptability through continuous improvement and visibility into the work



Value-driven approach

Traditional programs emphasize early and intense focus on requirements development to estimate long-term cost and schedule. This approach suffers from two major problems:

- The difficulty of clearly understanding all the requirements up-front makes cost schedule estimates highly unreliable
- New or changing needs easily break cost and schedule commitments making adaption hard

Perspecta’s agile approach flips this risk dynamic, establishing a predictable development cadence joined with a flexible, value-driven scope definition and execution process. This reduces risk by:

- Promoting greater accuracy of cost and schedule estimations (because they are predictable, fixed quantities)
- Providing the ability to plan and implement requirements for each iteration based on the latest priorities

This enables programs to quickly adapt to changes in mission needs without compromising quality or breaking cost and schedule commitments, significantly increasing the probability of the best end solution for the mission.

Agile program management

Agile development increases the probability of project success by fostering greater transparency and predictability of cost and schedule, however this requires changes that render traditional project management processes and tools (WBS, Gantt Chart, etc.) ineffective. We work with you to implement the appropriate governance, processes, metrics and tools to ensure effective agile program management.

Perspecta agile enterprise model

Implementing agile development influences the enterprise to align around expedited value delivery. All aspects of portfolio management (acquisition, budget, engineering, etc.) are ultimately impacted by agile and should be tailored to avoid bottlenecks in the value stream. Our approach successfully applies agile across organization and product lines. Perspecta helps you understand how and when to scale agile from the team level to the program and portfolio levels, providing seamless alignment around the organization’s value streams and becoming a true agile enterprise.

