

AI Production & Sustainment

Artificial Intelligence for Clients

Mission Drivers

When implementing an Artificial Intelligence (AI) solution, organizations must have a Production and Sustainment plan in place to respond to changing business needs and regulations. Running an operational AI system requires continuous efforts to collect and analyze user feedback, perform data updates, and conduct AI model evaluation, training, and updates. Human oversight is necessary to monitor and verify the quality, trustworthiness, and outputs of a governed AI system.

Offering Highlights

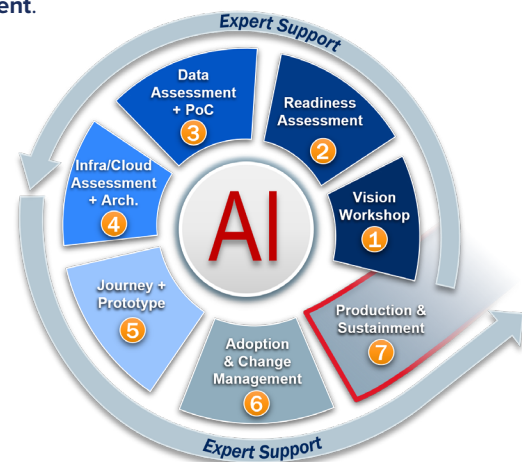
ManTech's **Production and Sustainment** offering implements the remainder of the AI Journey, with any adjustment resulting from the Adoption and Change Management stage.

It takes the system from a **pilot state to fully operational** in all aspects, such as the data it uses, the scale of users and processing, integration with other systems, along with the companion process updates piloted in the previous stage. Because this builds on the pilot and the change management planning from the previous stage, the steps to full operation in production are clearly defined and grounded in the organizational reality, from system integration requirements through user enablement and more.

This stage also sets up the solution for ongoing success by identifying **key responsible sustainment practices** and starting them. For example, a common issue in data science or AI solutions is drift, where a solution or model that was highly successful at the outset gradually becomes less effective over time due to changes in the incoming data, or even changes in the expectations and definitions around the information it provides. Ongoing monitoring for drift, along with procedures for updates in response, mitigate this risk. Sustainment processes are tailored to the AI solution type, organizational environment, and specific responsible AI needs such as fairness and transparency. As a result, this stage ends with an operational solution that is ready for both present and future needs.

ManTech's AI Turbocharger™ Methodology

ManTech offers a customizable and repeatable approach to accelerate successful AI projects with our AI Turbocharger Methodology, comprised of 7 key steps. **Step 7 is Production & Sustainment.**



Key Outcomes

Operational System with regular data, model, and use case updates

Key Deliverables

- Production and Sustainment Plan which will include key responsible sustainment practices
- Deployment Plan and managed roll out of the production system
- End User Enablement planning and delivery
- Implementation of the Production and Sustainment Plan for an agreed to period of performance

Scope and Timeline

The scope and timeline of this stage is highly influenced by work performed in AI Turbocharger stages 1-6. ManTech will work with you to scope this stage based on your implementation needs,

In business more than 55 years, ManTech excels in cognitive cyber, AI, data collection & analytics, enterprise IT, systems engineering and software application development solutions that support national and homeland security.

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