



Artificial Intelligence and Automation Solutions

A Trusted Advisor for Artificial Intelligence and Automation

Over the last four years, there has been a 270 percent increase in the implementation of artificial intelligence (AI) – with no signs showing a slowdown in that trajectory!¹ With the proliferation of data in our modern world, AI and automation are modern solutions to unlocking smarter insights. This not only provides value to executives and shareholders but also frees employees from mundane error-prone repetitive tasks to focus on business problems where human skillset is needed. Unsurprisingly, 37 percent of organizations have implemented AI in one form or another, enabling them to increase productivity, profitability, and employee job satisfaction.

Guidehouse provides a unique AI and automation service offering by combining in depth domain knowledge of public and commercial sectors with unmatched proficiency in AI. We pride ourselves on our robust domain knowledge and expertise in AI and automation, as well as our unmatched customer-centered business approach, which is focused on providing real value to our clients. We are the only large professional services firm to have earned the Malcolm Baldrige National Quality Award, the nation's highest presidential honor for performance excellence.

From dynamic visualizations and intelligent automation to artificial intelligence and machine learning – our team serves as a trusted partner and guide to all levels of leadership, supporting client challenges with a technology agnostic approach. We partner with our clients to create a full lifecycle data strategy and implementation solution that powers data-driven decisions and unlocks forward-looking insights.

Drive Enterprise Data Maturity

Automate reporting of key metrics and apply modeling & forecasting tools to enable data-driven decision-making to drive the transformation from descriptive to prescriptive analytics

Rapidly Develop and Scale AI Prototypes

Leverage open source languages and tools to provide flexible AI solutions that can be deployed across a wide range of technology platforms and integrated within existing environments

Optimize and Streamline Business Process

Use AI and Intelligent Automation to reduce the quantity of frequently-occurring, manual, and time-consuming tasks, saving valuable resources and increasing throughput

Gain Insights from Unstructured Data

Leverage cutting-edge Natural Language Processing (NLP) algorithms, graph databases, and intelligent automation to help users gain predictive insights from vast amounts of documents, open source text, and image data

1. <https://www.gartner.com/en/newsroom/press-releases/2019-01-21-gartner-survey-shows-37-percent-of-organizations-have>

Proven Expertise, Measurable Results

Guidehouse combines leading subject matter technical expertise in AI, machine learning (ML), and robotics process automation (RPA) with extensive domain experience to help organizations solve mission-critical challenges and support key agency priorities. Our global Advanced Analytics team consists of over 100+ experienced analytic and data science professionals trained and certified in a wide range of COTS and open-source data analytics, modeling, and visualization programs, with more than 50% holding advanced degrees. To date, we have successfully deployed AI and automation solutions **across 40+ government programs.**

Delivering Impactful Results

Weapons Sustainment



Forecast spend, contract performance, and weapon system sustainment by developing a large scale Digital War Room.

Operational Efficiency



Forecast workloads, increase operational efficiency, and improve security by applying time series analysis, clustering, and random forest modeling on big data in a Spark framework.

Clearances



Predict case complexity scores for incoming clearance investigations to prioritize cases more efficiently.

Purchase Cards



Identify improper use of purchase cards, patterns of use, and categories of purchases. Aggregating expenditure patterns to obtain lower prices.

Unmatched Disbursements



Automate unmatched disbursements, quarterly financial statements, and reconciliations by creating a shared robotic process automation service DOD-wide.

Network Outages



Predicted and prevented over 100,000+ network outages to date for our intelligence community.

Technologies and Alliances



Deployment and Integration with Cloud Services in both GovCloud and Commercial



Email: ai-automation@guidehouse.com

Web: guidehouse.com

Twitter: [@guidehouse](https://twitter.com/guidehouse)

LinkedIn: linkedin.com/company/guidehouse/