

Future-proofing with Intelligent Automation & Disruptive Technologies

In the age of innovation and disruption, Artificial Intelligence (AI) is a constellation of technologies like Machine Learning (ML), Natural Language Processing (NLP), and Robotic Process Automation (RPA) that allow machines to act and think like humans. Traditional ways of managing and supporting business processes are changing. With the introduction of AI, ML, NLP, and RPA, old back-office systems are replaced with new, faster, easier, and cost-efficient ways.

These disruptive technologies could make federal agency management much easier, while simplifying complex processes. As new technologies, especially RPA, become refined and smarter over time, enterprises are taking note of the benefits that come from revamping business processes with them.

Our Approach

Since 1989, REI has been a trusted partner for the government and private sector by delivering impactful solutions that help build and modernize for the future. We understand the critical role disruptive digital and intelligent automation technologies such as AI/ML, NLP, and RPA have in providing world-class delivery capabilities. Our deeply skilled technologists and solution architects work together with industry professionals to generate measurable business value for our clients through Customer Experience (CX), Agile, and DevSecOps services.

Services

- Artificial Intelligence Strategy
- Natural Language Processing
- Intelligent Search, Automation & Assistants
- Automation Testing
- Predictive Modeling
- Principled Convex Optimization Methodology

Research and Development for Government AI/ML Applications

- Automated TBM Mapping
- Proposal Similarity Analyses to reduce FWA in the SBIR program
- Intelligent Search through Unstructured data
- Recommendation Engine for User Activity & Reports
- Natural Disaster Assessment through Satellite Imagery



Technology Reshapes the Future

GETTING THE MAXIMUM FROM ADVANCED AI/ML

AI means machines that act like humans, thinking strategically, abstractly, and creatively, and handle various complex tasks.

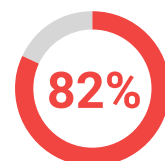
Our AI/ML is Building New Ways to Embrace Change



Reduction in Manual Hours for TBM Mapping



Sub-Tower Prediction Accuracy



Sub-Cost Pool Prediction Accuracy

AI-Based Natural Disaster Relief

Aiding the front lines and beyond to quickly and intelligently analyze large datasets to improve outcomes at every point during the disaster lifecycle.

AI-Based Automated TBM Mapping

Fine-tuning solutions that bring nearly 100% accuracy to optimize IT services and infrastructures.

DELIVER INFORMED INSIGHTS BACK INTO THE ENTERPRISE

NLP extracts insights from unstructured data such as text and images, which helps improve analytics and decision-making to gain a competitive edge.

Context-Aware, Intelligent Search

Break down linguistic nuances, synonyms, and relations found in everyday language and inside complex documents.

TBM Cost Category Classification

Fast data extraction from text-based documents to improve complex analytic tasks, resulting in higher employee satisfaction.

MAXIMIZING AGENCY RESOURCES

RPA interconnects legacy systems with modernized systems, allowing a gradual switchover rather than an all-at-once changeover – a useful way to automate and streamline your operations.

Using Automation to Drive Efficiency for Leading Grants Modernization

Developed an automation tool that streamlines 16,000 reports, saving thousands of dollars in licensing fees

Contact us today to learn more about how REI can help you be ready for the future. Email us at info@reisystems.com.