EmergeTek: The Future of Tech Consulting and System Solutions

EmergeTek is a dynamic and innovative small business joint venture that transpired from a Small Business Administration (SBA) certified Mentor-Protege partnership between ADG Tech Consulting and REI Systems. This strategic alliance is driven by a commitment to delivering award-winning services and solutions, a standard for which both ADG Tech Consulting and REI Systems are renowned.

Guided by our shared vision and values, EmergeTek strives to cultivate growth, spur innovation, and make a lasting impact within the federal sector. Our mission is to serve the federal government continuously, leveraging our combined expertise and resources to provide high-quality, efficient, and dependable services.

CAPABILITIES

Website Design: Creating immersive user experiences that drive engagement and amplify digital footprints.

Application Modernization: Delivering enhanced performance, streamline operations, and adapt to ever-changing technology landscapes.

Agile: Transforming the way your teams work - optimizing Scaled Agile Framework (SAFe) methodologies to respond to changing demands swiftly, increase collaboration, and improve responsiveness to customer needs.

DevSecOps: Enabling multidisciplinary teams at the start of software and application development lifecycle to introduce quality checks and security for speed and efficiency.

Robotic Process Automation (RPA): Automating reptitive tasks to increase productivity and achieve operational excellence through our cutting-edge solutions.

Technology Business Management (TBM): Harnessing valuable insights into IT costs, investments, and value creation to deliver informed decision-making.

Grants Management: Effortlessly manage funding opportunities with comprehensive and compliant solutions that ensure transparency and optimize resources.

Digital Transformation: Propelling government forward with cutting-edge technologies to stay ahead of the competition, optimize operations, and deliver exceptional CX.

Certifications

ADG			
Capability Maturity Model Integration (CMMI) Version 2.0 Maturity Level 2	ISO 9001:2015 Information Security Management	ISO 20000-1:2018 IT Service Management	ISO 27001:2013 IT Quality Assurance

REI			
Capability Maturity Model Integration (CMMI) Version 2.0 Maturity Level 3	ISO 9001:2015 Information Security Management	ISO 20000-1:2018 IT Service Management	ISO 27001:2013 IT Quality Assurance

GSA MAS: Elevate Your Procurement Power - Discover the GSA MAS Advantage Today

MAS Contract Number: 47QTCA23D008G

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Contracts Supported

 FEMA

Capabilities Displayed:
→ Grants Management
→ RPA
→ TBM

EmergeTek has made significant contributions to the grants management process for FEMA Data Exchange (FEMADex). A Pilot program, a modern, cloud-based data analytics solution to replace the agency's legacy Enterprise Data Warehouse (EDW). FEMADex will support structured, semi-structured and unstructured data from 107 source systems, covering $2.2B in grant disbursement and 129 disaster declarations and serving over 20,000 emergency managers.

FEMADex, ensuring efficient allocation of funds to disaster-stricken areas. Our comprehensive grants management solutions offer transparency, compliance, and real-time tracking, enabling the timely and effective distribution of resources. This capability plays a crucial role in helping communities recover and rebuild in the aftermath of emergencies.

Additionally, we have leveraged our expertise in RPA to automate manual and repetitive tasks within FEMADex operations. By implementing intelligent bots, FEMADex can reduce errors, and free up valuable human resources to focus on critical activities such as disaster response coordination and community support. This automation allows for a more efficient and effective utilization of resources during times of crisis.

Furthermore, we have applied TBM practices to evaluate the value of investments and optimize resource allocation across FEMADex. By aligning IT spending with strategic goals and improving financial transparency, we enable better decision-making, cost optimization, and overall operational efficiency. This ensures that resources are allocated effectively to achieve the desired outcomes and maximize the impact of technology in supporting disaster response and recovery efforts.

U.S. Small Business Administration

Capabilities Displayed:

→ Digital Transformation
→ Application Modernization
→ Agile
→ Website Design

EmergeTek has played a vital role in enhancing the SBA application ecosystem by modernizing their legacy systems. This modernization effort ensures scalability, security, and agility for the SBA. By migrating to cloud-based platforms and adopting modern technologies, the SBA can improve response times, optimize resource allocation, and provide a seamless user experience for borrowers, lenders, and other stakeholders.

At EmergeTek, we are committed to empowering small businesses through digital transformation and Agile SAFe methodologies. Our solutions have accelerated the delivery of critical programs and initiatives for the SBA. Whether it's streamlining loan applications or providing online resources and training, their approach has enabled the SBA to scale services, enhance efficiency, and provide exceptional support to entrepreneurs and small business owners.

Additionally, EmergeTek has brought a unique element to this project - multi-lingual capabilities. They've modernized the SBA's website, creating engaging versions in both English and Spanish, thereby expanding accessibility and inclusivity. This move ensures that a wider audience can access the resources they need to make informed decisions and navigate SBA's services effectively.

EmergeTek's solutions prioritize intuitive navigation, visually appealing interfaces, and easy access to critical information. By focusing on user experience, they've crafted an engaging platform where stakeholders can easily locate necessary resources, make informed decisions, and adhere to SBA's guidelines.

Lastly, EmergeTek's capabilities extend to providing help desk support, further enhancing their contribution to the SBA's mission of supporting small businesses.

U.S. Citizenship and Immigration Services

Capabilities Displayed:

→ Digital Transformation
→ Application Modernization
→ Agile
→ DevSecOps

EmergeTek provides leading-edge DevSecOps and User Experience Design (UXD) services in the deployment of cost-effective and high-quality code supporting the USCIS mission—overseeing lawful immigration to the United States. Leveraging an open-source technology stack, microservices architecture, and human-centered design practices in an Agile environment to deliver new business functionalities daily. Our technical experts were responsible for developing high-quality business functionality to work within customer-centric architectures and processes.

By leveraging state-of-the-art technologies such as cloud-based platforms, EmergeTek helped transition the Electronic Immigration System (ELIS) from a monolithic application into a secure, scalable, microservices-based architecture. This transition not only reduced technical debt and costs but also improved speed-to-market.

We transformed ELIS from a fragmented, paper-based environment to a centralized, cloud-based platform using state-of-the-art technologies. This digital transformation streamlined application processes and improved system integrity, operational efficiency, user experience, and customer engagement while delivering mission outcomes.

Furthermore, we implemented agile methodologies for USCIS, involving iterative development, cross-functional collaboration, and continuous improvement. This approach enables USCIS to enhance operational efficiency, increase transparency, and effectively respond to evolving immigration policies and regulations.

We supported USCIS in bolstering national security and ensuring system integrity while delivering mission outcomes. As a result, USCIS can now accelerate application processing times, reduce errors, and enhance collaboration with stakeholders. Ultimately improving the overall immigration process and revolutionizing the way USCIS operates.

FDA U.S. FOOD & DRUG ADMINISTRATION

Capabilities Displayed:

→ Application Modernization
→ Agile
→ Website Design

EmergeTek has successfully modernized the FDA's traditional processes through application modernization and agile methodologies. The introduction of modernization has transformed laborious manual processes, freeing staff to focus on vital tasks such as regulatory compliance and public health initiatives. This agile approach enables quicker drug registration, efficient adverse event reporting, and enhanced data accuracy, bolstering patient safety and regulatory oversight.

We implemented web analytics services such as Google Analytics that provides advanced website performance insights, user metrics and discover patterns and trends. EmergeTek has implemented this feature in the FDA Foreign Inspection Planning and Scheduling System (FIPSS) application to track website adoption and understand the importance of certain features. Our team added a JavaScript tag through common platform functionality which enabled data collection, analysis, monitoring, visualization, reporting, and integration of applications.

Our team captures several basic and advanced metrics. User behavior data shows how users are engaging with our web portals, which features are being used more over others enabling A/B testing of feature roll-out. FDA FIPSS application added a reporting portal where we tracked how users access the reports and dashboards and related additional information. We kept three different modes to access reports and dashboards available for three months and later user pattern analysis displayed the usage of favorite and recently access was more than the list page access. Such insight allowed us to improve visibility and training around the list page.

EmergeTek team has developed an AI-based prototype to detect bot generated comments impacting the impartial regulations process of the federal government. Our team developed a pipeline of 3 NLP and deep learning models to identify the fraudulent attempts and provide advanced analysis of the comments for each regulation. For a new regulation, all the comments assigned a score for their sentiment, likelihood of being fake, and identify the top 10 similar comments. This automated and predictive advanced analysis of comments will reduce the manual effort and provide detailed insights into the thousands of comments. It enables the reviewers to identify fake or similar comments more efficiently.