



CAPABILITIES STATEMENT

Fidelis Engineering, Inc. is a provider of Software Engineering, Information Systems Engineering and information technology solutions designed to improve business operations and the end user experience. The company was established in 2015, and quickly obtained contracts with the Department of Navy in support of naval aviation aircraft acquisition, and research in artificial intelligence tools for planning automation of ordnance handling processes.

Fidelis specializes in the application of intelligent system concepts and decision support tools for a wide variety of applications including business analytics, task automation, unmanned systems, big data processing, predictive modeling and simulation, supervisory control, data acquisition systems, automated planning, and test generation. Fidelis personnel have expertise in tailoring solutions for customers in both the commercial and public sectors, including renewable energy facility planning and permitting, military mission planning and logistics, pharmaceutical operations, telecommunications and SCADA (Supervisory Control and Data Acquisition) systems.

SPECIALTIES AND SERVICES



RESEARCH AND DEVELOPMENT

Exploration of new concepts, technologies, and processes in the areas of automated decision support methods, machine learning, process automation, and tools in support of military operations planning.

RESEARCH AND DEVELOPMENT

- Artificial Intelligence Techniques
- Process Modeling
- Financial Modeling
- Data Mining
- Expert Systems
- Software Agent Systems
- Automated Test Generation
- Virtual Reality Systems



SOFTWARE SYSTEMS DESIGN

Design and implementation of information systems for federal agencies covering all aspects of Command, Control, Communications, Computers, and Intelligence (C4I). Also information technology support for private sector customers in the areas of energy generation facilities management and renewable energy information exchanges.

SOFTWARE DEVELOPMENT AND SYSTEM DESIGN

- Software Process Planning
- Modeling and Simulation
- Enterprise System Architectures
- Software Design and Implementation



ENGINEERING SERVICES CONSULTING

Engineering technical support in the analysis, studies, and definition of system requirements for federal government information systems, equipment, and facilities. Examples of these services are the definition of system requirements for communications equipment aboard new military aircraft, and acquisition technical support for new federal procurements.

DECISION SUPPORT

- Process Planning and Analysis
- Computer-Based Decision Aids

DEPLOYMENT MANAGEMENT

- Project Management
- Acceptance Testing
- Configuration Management
- Logistics

Fidelis Engineering, Inc.

1757 Calle Pegaso
San Juan, PR 00927
corp@fideliseng.com

Point of Contact

Manuel Fuentes
732-861-9948
manuel.fuentes@fideliseng.com

CODES AND REGISTRATION

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NAICS CODES

541330 - ENGINEERING SERVICES
541511 - CUSTOM COMPUTER PROGRAMMING
541512 - COMPUTER SYSTEMS DESIGN
541712 - RESEARCH AND DEVELOPMENT IN THE ENGINEERING SCIENCES