



CAPABILITY STATEMENT

Our Expertise is Software System Engineering
Our Value is Repeatable Success.

Company

Critical Realm, a Woman Owned Small Business, founded in 2004, provides Software System Engineering and Architecture Services for clients who require rigorous design, development, and test for their products. We make teams successful by employing experts who focus on planning and tracking the Software Development Lifecycle from concept through deployment and maintenance.

Core Software Competencies & Expertise

- ❖ System Engineering
- ❖ Requirements Analysis and Management
- ❖ Software Architecture and Design
- ❖ System and Software Development
- ❖ Process Development
- ❖ Management/Leadership skills
- ❖ Consensus Building
- ❖ Project Management
- ❖ Algorithm Development
- ❖ Subsystem and System-level test design, support and analysis
- ❖ Peer and project level reviews and customer review support
- ❖ Integrated Product Team and Technical Interchange Meeting support
- ❖ NASA Procedural Requirements for Software Engineering (NPR 7150.2) Compliance
- ❖ Risk Analysis and Management

Current Clients & Key Successes

SGT, Inc. Ground Software at NASA Ames

- STPSat-5 Ground System Development and Mission Operations
- Software System Engineer for Stratospheric Observatory for Infrared Astronomy (SOFIA) Science Software

Scitor Corporation/FTI

- Software Systems Engineering for water contamination monitoring

Osterhout Design Group

- Technology Demonstration system engineering

SGT, Inc. Flight Software at NASA Ames

- AQUILA-II Bus Flight Software Mission Assurance
- SporeSat-2 Flight Software Lead
- Lead Software System Engineer for critical flight software on board the Stratospheric Observatory for Infrared Astronomy (SOFIA) airplane, coordinating algorithm development across telescope, simulator, and control system applications.

Corporate Data

DUNS: 172255718
CAGE: 4XKK9
Woman Owned Small
Business
www.Criticalrealm.com

NAICS Codes

541330 – Engineering Services
541511 – Custom Computer
Programming Services
541512 – Computer Systems
Design Services

541519 – Other Computer
Related Services
541712 – R & D Physical,
Engineering, Life Sciences (no
Biotech)

Contact

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