



G2 Ops, Inc. Digital Engineering

G2 Ops, Inc. (G2 Ops) provides leading edge, AI/ML-enabled Model-Based Systems Engineering (MBSE), modeling, cybersecurity, cloud engineering, and strategic support and innovation solutions. Our solutions-based modeling, analysis, development, and quality management drive innovation and process advancement.

Company Facts

Certification

Women-Owned Small Business

SBA Certified: Women's Business Enterprise (WBE)

Classification Code(s):

NAICS 518210, 541330, 541715, 541519, 541990

Facilities:

- Arlington, VA
- Virginia Beach, VA
- San Diego, CA

Inc 5000 Fastest Growing Company



2018 - 2024

Contact

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G2 Ops' Value Proposition – Advancement in Digital Engineering

Based on a three-layer system developing unique solutions to customers' complex business needs

Digital Engineering Ecosystem

- Integrates MBSE models, engineering process applications, and authoritative databases
- Provides a means to manage all technical engineering development data in a digital environment



Gold Standard Methodology™ (GSM)

- Integrates disparate MBSE models
- Drives common model schema to rapidly mature systems engineering automation tools, enabling compatibility with G2 Ops analytic tools and capabilities
- Fosters development and continual improvement of software applications

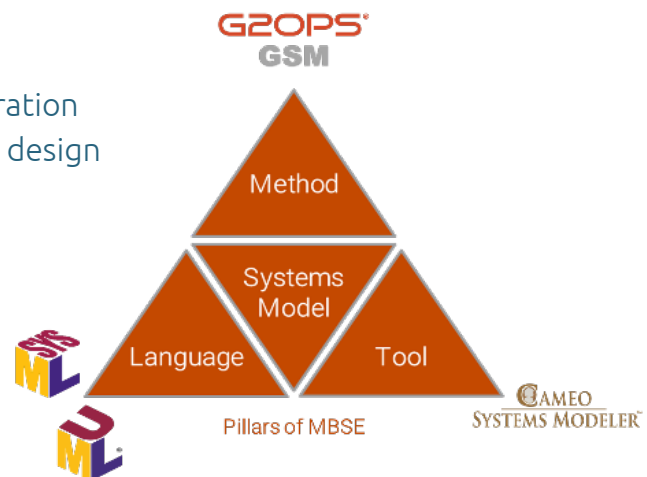
Model-Based Systems Engineering

G2 Ops is an industry leader in MBSE with over 10 years of experience applying modeling tools and methodologies to optimize complex engineering activities across all phases of the systems engineering lifecycle – including enhanced requirements, SW/HW design, development, testing, CM, cybersecurity, and sustainment. G2 Ops provides:

- Advisory services to transition engineering teams to an MBSE approach
- Advanced secure digital engineering environments (e.g., models, apps, etc.)
- MBSE-enabled engineering tools
- MBSE process/tool usage training and support
- Support/build models for new starts, proofs of concept, legacy systems, and more

MBSE-Enabled Engineering Capabilities

- Model-based requirements/test management and generation
- Structural SysML modeling for architecture and detailed design
- MBSE support for Cyber RMF process
- Model-driven sustainment automation
- Operational analysis using a modeling approach



Small Business Innovation Research & Software Products



Our suite of MBSE-based software tools leverages proven digital engineering methodologies and best practices to drive efficiency, employ automation, and solve complex problems. These tools reduce level of effort, enhance capabilities, and provide advanced analytics for real-time decision makers.



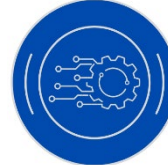
SOFIA

Leading edge, mission-based cyber risk assessment tool



IRIS

Cyber analysis tool that evaluates overall system resilience and prioritizes critical infrastructure defense



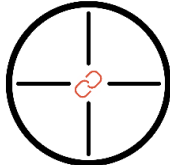
M-RAMPS

Reliability, Availability, Maintainability (RAM) Conditional Readiness Simulation Tool



ECR/TAS

Cybersecurity attack simulator that evaluates asset exploitability



ARIE

Repeatable integration process streamlining installation and interfacing of tactical data systems



SEADES

Enables multi-platform data alignment for data analytics and assimilation

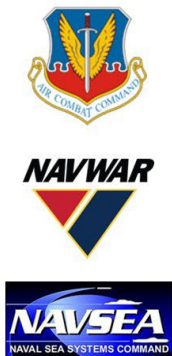
G2 Ops has coast-to-coast national reach with a presence collocated with key decision-makers.

Our three (3) labs employ full connectivity for real-time collaboration.

G2OPS Footprint

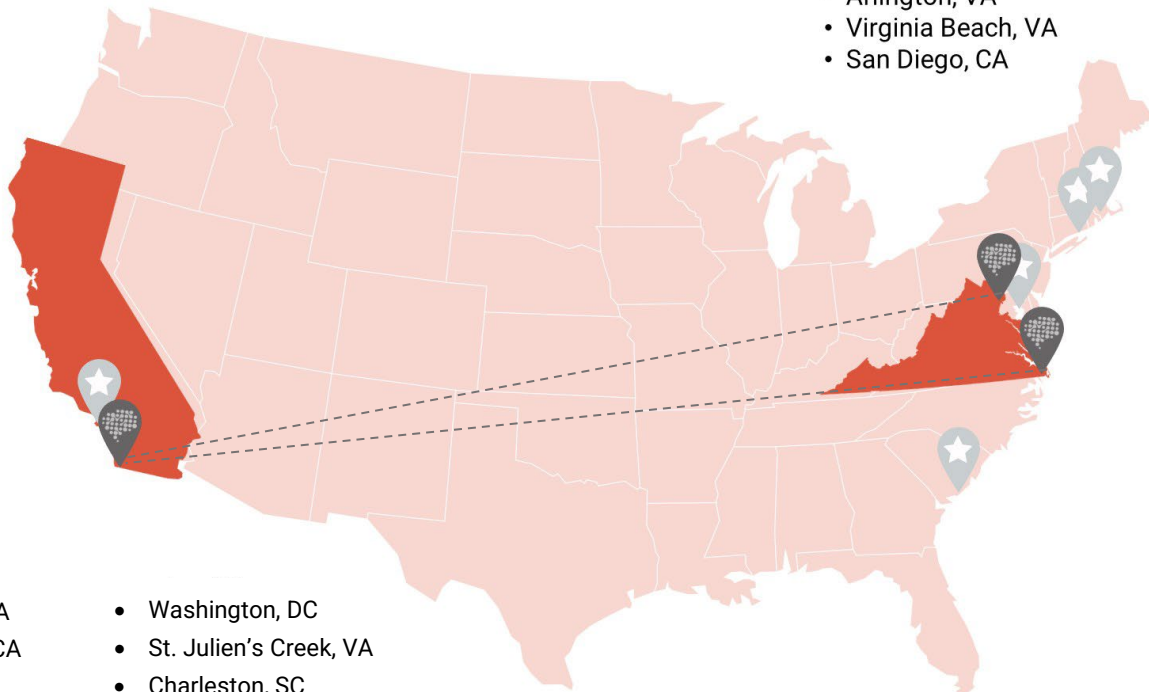
Offices

- Arlington, VA
- Virginia Beach, VA
- San Diego, CA



Customer Locations

- San Diego, CA
- El Segundo, CA
- Norfolk, VA
- Newport, RI
- Washington, DC
- St. Julien's Creek, VA
- Charleston, SC



G2OPS®
Smarter Intelligence.®