

INTEGRATION & OPERATIONS SOLUTIONS

RESHAPING & EXPANDING COMMUNICATIONS



LGS integration and operations solutions provide direct mission support to the intelligence community, defense and civilian agencies, and commercial clients through a variety of services in signal processing, cybersecurity, spectrum management, secure videoconferencing, and other areas. Through data collection, processing, and analysis, we reshape the way our customers communicate and expand their ability to meet immediate and future information demands.

Our solutions include network and integration services, as well as mission software development and integration. Together, these components support our customers through the design, development, delivery, and operation of leading-edge solutions in communications, digital signal processing, software, network engineering, system engineering, and system integration. We utilize multi-vendor solutions to provide the best in network design, integration, implementation, and installation, including market-leading contract and program management services.

LGS is an ISO 9001:2015 certified provider of network systems engineering, integration, installation, and services.

REQUIREMENTS ANALYSIS AND ARCHITECTURE OPTIONS

LGS Innovations' analysis and architecture solutions are designed to meet mission needs from site survey to full lifecycle support. A combination of leading-edge research and development, proven execution capabilities, and best-in-class information technology expertise provides a tailored solution that best meets mission and security needs. LGS' holistic security assessments identify unique customer needs and apply relevant government and industry standards, generating assessment objectives that are achieved using patented and proprietary LGS processes, tools, and techniques.



NETWORK INTEGRATION

LGS Innovations utilizes multi-vendor solutions to provide the best in unified communications, network design, integration, implementation, and installation, including market-leading contract and program management services. LGS holds an ISO 9001:2015 Certification for network systems integration, installation, and services, to include:

- » Next Generation High Speed Networking for Campus, bases, and buildings (CB&B), Maritime, Deployable Communications, Cloud / Data Center, and Global Networks
- » Wireless Network Integration Solutions
- » Network Performance Analytics: Premium Consulting Service and Solutions

MISSION SOFTWARE DEVELOPMENT & INTEGRATION

LGS Innovations develops and integrates algorithms and applications on existing frameworks and platforms. Focusing on portability, compatibility, and software code reuse, LGS targets specific customer needs using proven software design principals and open-source technologies. LGS has extensive experience in:

- » Frameworks: REDHAWK, X-Midas, GNU Radio, Eclipse RCP, Ozone Widget Framework (OWF)
- » Architectures: Server, SOA, Cloud computing and web
- » Platforms: Linux (RHEL, CentOS, Ubuntu), x86/x86_64
- » Languages: Python, C/C++, Java, Javascript, Grail

TRANSFORMING THE NETWORK TO A CLOUD ENABLER

LGS migrates systems from conventional rack-based servers to both commercial cloud services and custom virtual machine provisioning. As an Amazon Web Services consultant partner, LGS can work closely with Amazon Cloud Services engineers and architects to build sophisticated applications for our customers with increased flexibility, scalability and reliability. Our AWS partnership also facilitates Cloud Services certifications for our engineers and IT personnel.

LGS offers its customers a patent-pending solution for cloud service management that provides 50 percent savings in resources and cost compared to conventional solutions. We also implement custom virtual machine provisioning solutions using OpenStack, allowing customers to satisfy provisioning requirements for custom cloud-based systems.

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ABOUT LGS INNOVATIONS

LGS Innovations is a technology company delivering mission-critical communications products, R&D, and supporting services to government and commercial customers worldwide. We create advanced solutions in wireless communications, signals processing and analysis, optical networking, photonics, routing and switching, and spectrum management, driving mission success in C4ISR, cyberspace operations, and network assurance.

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