

Quantitative Network Solutions, QNS, specializes in helping companies with significant investments in technology and infrastructure that are critical to day-to-day operations or used to deliver services to customers. Strategic Planning, Operations, and Infrastructure, including Digital Transformation and IoT, are areas of excellence offered to our clients.

Strategic Planning: Our image as strategic thought leaders consists of evaluating how technology can be used internally by businesses:

- Enable new business models and business lines.
- Increase revenues.
- Preempt a competitor's attempts to use technology to disrupt or dislodge your company's market position.

We handle advanced technology, competitive analysis, technology assessment, prototyping labs, partnering, planning, and architecture standards.

Operations: QNS can guide and manage projects in the operational arena of:

- Govern Operations: Operations develop, monitor, and measure the performance of the infrastructure, including the security posture of an organization. The level of performance can be maintained by:
 - Document hardware specifications and solution requirements and develop new designs to improve infrastructure and service performance.
 - Assessing critical processes and services through data analytics.
 - Maintaining hardware and software compliance.
- Run Solutions: Operations department's responsibilities include:
 - Performing data back-ups and security.
 - Restoring systems after service interruptions or updates.
 - Configuring and tuning systems and other configuration items to optimize performance.
 - Allocating and acquiring resources to provide extraordinary service.
- Mitigate Disasters: Operations teams are typically in charge of a business organization's disaster recovery plan. Those plans include:
 - Simulate and practice disaster recovery scenarios.
 - Reduce the risks of substantial downtime for the company by implementing geo-redundancy.
 - Understanding the potential lost revenue if an unexpected problem or disaster causes a significant service outage.

QNS knows through real-world experience how operational organizations can maintain those levels of dependability—resulting in a company's credibility.

Infrastructure: The underlying core to any business that is rarely seen or understood. There are so many critical elements that depend on this base structure performing at peak 24x7x365. The areas we specialize in are the following:

- **Manage Infrastructure:** Infrastructure management oversight includes:
 - Private, Public, and Hybrid cloud environments.
 - Container environments.
 - Data lake infrastructure and design.
 - IP Network management at Layer 2 and Layer 3.
 - Physical facilities management of fiber optics, unlicensed wireless, and private and public LTE.
 - Hardware infrastructure and components.
- **Evolve Infrastructure:** Companies can and must act as innovators who work to evolve the infrastructure to meet the demands of the business, including:
 - Analyzing the effects of change.
 - Implementing new hardware and software applications to boost service performance, including API integrations.
 - Migration plans that minimize the impact on business productivity.

It's our job to make your organization a powerful tool that propels your business forward. We monitor, analyze, and evaluate technical and business developments, such as cloud computing, mobility, big data, security, and predictive analytics, which are critical to the success of essential providers. We help you meet your business goals by designing and maintaining efficient and consistent workflows.

"I had the pleasure to work with Nathan and view his ability to understand various elements of infrastructure from an engineering perspective. Nathan has a great grasp of how different equipment vendor products can enhance a provider's internal network and how their service offerings can allow the sales group to compete in a highly dynamic and competitive environment. Nathan's experience allows him to work with various groups, not just operations, within an enterprise, helping the company executives to make strategic decisions for the long term objectives required to be a formal player in the marketplace."

Nick Lenoci - Vice President of Sales & Marketing at Smart City Telecom

"Nathan helped me successfully bring a critical and high-attention project to the finish line. He was one of the many vendors that were a part of the project, and I could honestly say he made reaching the goal feasible. He was highly reliable, knowledgeable, and patient when we had to make adjustments. His in-depth expertise and ability to connect the dots on what was needed by his team when a new request/issue popped up kept the project moving and successfully went live. I believe the effort, support, and responsiveness he had inspired the other vendors to follow suit. He taught all of us a lot with his can-do attitude. Nathan earned my gratitude and respect, and without hesitation, I would request his support on any project."

Suzan Adburrahman – PMO, ITIL, LSS GB