



IT Systems Integration and Engineering Services

Techgardens drives network innovation by packaging hardware, software, and professional services enabling our customers to build secure, scalable, and resilient networks.

Our services extend from formulating a concept through test and turn-up. This turnkey approach leverages our design, engineering, procurement, logistics, staging and deployment services. Techgardens enables you to streamline complicated projects and execute quickly with substantial cost savings. We can manage projects from start to finish or provide more circumscribed tasks; we are agile and responsive. We are staffed with CISSPs, Network Engineers and Systems Administrators with offices throughout the U.S. to service clients nationwide.

Contact Us



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Service Offerings

Engineering and Design Services

Techgardens design and engineering services are flexible. Our network specialists provide solutions that take into consideration the current and future needs of our clients. Our engineers have the experience necessary to optimize your current systems, build a new one or a combination of the two. Techgardens engineers can be utilized for short engagements or for ongoing staff augmentation. Our process is straightforward; we perform a design review, develop an architecture, and propose the solution.

During the design review process our objective is to:

- Assess the technical goals of the organization
- Review the operational requirements and applications that will be supported
- Review existing hardware infrastructure and software systems
- Review resiliency and survivability requirements
- Document the current infrastructure
- Discuss operational requirements for network management
- Discuss ongoing technical support

During the architecture development process, we utilize the following principles:

- Develop a solution that optimizes performance based on requirements
- Develop a solution that balances cost and scalability
- Propose a network management architecture that encompasses configuration, operation, monitoring and alerting

Sourcing & Logistics Services

Techgardens offers a variety of fulfillment services to streamline procurement and operations. Our ability to source and supply material provides our clients with a single point of contact for all equipment logistics. We assume responsibility for tracking deliveries and schedules. In the event of an equipment failure or defects on arrival, our team will handle its replacement. Coupling engineering and implementation services with our sourcing and logistics services provides cost efficiencies and improved deployment times.

The sourcing and logistics services we offer include:

- Multi-vendor sourcing: sourcing from multiple suppliers for one project or many projects
- Asset Management: receiving, documenting, tagging, and tracking assets
- Contract Logistics: monitor and report on supplier contract performance

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- Staging: preparation of equipment prior to shipment or delivery to final locations
- Custom Kits: preassembly of diverse hardware and software components
- Spares Depot: maintenance of spares for rapid delivery to maximize uptime

Implementation and Configuration Services

Techgardens implementation teams manage projects in tight coordination with our engineering personnel to ensure successful deployments. We can be the single point of contact for the entire job or a supplement to enhance your IT personnel. Our implementation and integration teams' objectives are to ensure proper network deployment within budget and on time. In a multi-vendor, multi-network environment, there are greater risks and Techgardens has the experience and expertise to ensure success. Our specialists can manage the entire process from staging and configuration to integration and testing thereby mitigating your risk, minimizing your cost, and reducing implementation time.

Key implementation services we offer are:

- Project and program management
- Site surveys
- Hardware installation
- Structured cabling, fiber characterization and testing
- Equipment configuration
- Software configuration
- Test and turn-up

Operations and Maintenance Services

Techgardens operations and maintenance teams can work to develop a tailored operations and maintenance program for your new or upgraded systems. As the

infrastructure transitions to a production environment, we will formulate a maintenance plan to address software updates, security patching and configuration management. The team will develop runbooks for typical routines such as: troubleshooting, fault isolation, root cause analysis, and resolution.

Important operations and maintenance services we offer are:

- Run book development
- Troubleshooting and fault isolation training
- Software patching and configuration management
- 24/7/365 proactive, automated monitoring and troubleshooting
- Annual system health checks
- Tier-1 outage remediation services
- Applications monitoring
- Network monitoring

Training & Support

The changing landscapes in technology evolution, mergers, acquisitions, and globalization, require successful end-user adoption of technology investments to maximize effectiveness and ROI.

Techgardens training and support services are designed to provide your personnel with the knowledge and skills to maintain IT systems at optimal performance.

Our training and support services include:

- Training design: we collaborate with clients to create training programs that meet the needs of the organization and end-user
- Training development: we create an environment where people learn how to use new processes and systems and then enable them to educate others
- Training delivery: we provide learners with the information they need at the right time and in the right location

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Domain Expertise

Network Infrastructure

Techgardens specializes in network engineering and developing solutions to support the delivery of high-speed data links from within the building to across the continent. Our solutions provide a blueprint for your network allowing you to meet your business requirements securely and quickly. Whether it is a system for your internal needs or a system to support customer access, Techgardens can provide a custom system to meet both your business and technical requirements.

Our network engineering solutions include:

- IP routing & layer 2 switching
- Optical DWDM transport systems
- Layer 2 encryption utilizing MACsec
- Wireless LAN & WAN solutions (Campus or Metro solutions)

The services we offer are:

- Topology design and review
- Network performance and health Assessments
- Latency and resiliency assessments
- Fiber analysis and characterization
- WDM design appropriate for the distance, speed and applications
- Structured cabling analysis and installation
- Test and turn-up

Cyber Security

The rapid growth of network data connections and devices requires enhanced vigilance around data security. Techgardens has the knowledge and experience to orchestrate the right approach for your organization.

A sample of our cyber security applications include:

- Firewalls
- Mobile device security
- Data loss prevention
- Web security
- Email security
- SD-WAN
- Cryptography
- Network access control
- Multi-factor authentication
- Intrusion protection and detection

Enterprise Storage

Techgardens offers storage solutions that are appropriate for virtualization, file sharing, cloud/offsite backup, and video applications. We offer flexible solutions that can include hard disk drives (HDD), solid-state drives (SSD) or hybrid configurations based on performance and capacity requirements to deliver high throughput and consistent sub-millisecond latencies. Our expertise guarantees a seamless process from application analysis through deployment. Quality support, responsiveness to customer

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needs, and dedication to building long-term relationships separates Techgardens from the competition.

- Direct Attached Storage (DAS)
- Storage Area Networks (SAN)
- Network Attached Storage (NAS)
- Unified or hybrid storage
- Data resiliency
- Security: data encryption at rest and in transit
- Storage management software

Public, Private and Hybrid Cloud

Techgardens, together with our cloud partners, offers data storage, access, and protection solutions for the multi-cloud enterprise. Traditional data management is insufficient for the hyper-growth and hyper-sprawl of today's data needs. Data must be continuous, acquired, stored, and analyzed. Getting there requires a new approach that merges the traditional disciplines of data backup, recovery, protection, and security with cloud-based data management solutions. Moving from policy-based to behavior-based data management makes data both intelligent, and ultimately, self-governing. Techgardens and our cloud partners are uniquely positioned to help you on the journey to real-time, intelligent data management solutions.

- Server virtualization and cloud computing
- Virtual desktop infrastructure
- Data protection, disaster recovery, and data retention
- Cloud migration
- Cloud infrastructure development
- Security and compliance

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