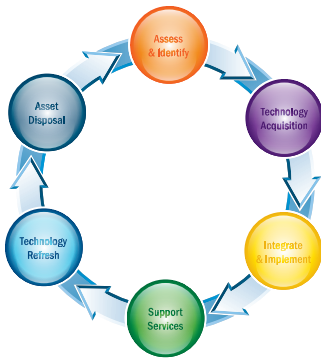# TECHNOLOGY LIFECYCLE MANAGEMENT ENABLES GOVERNMENT TO REALIZE BUSINESS AND TECHNOLOGY GOALS

Government agencies are increasingly reliant on their technology infrastructure to help them meet the program, business, and performance objectives for which they are accountable. As policies, technology, and user demands change, IT infrastructures must continue to evolve to support new business and performance requirements. Consequently, agencies need to adopt a long-range view and a strategic method for how they acquire and manage their technology assets.

GTSI TECHNOLOGY LIFECYCLE MANAGEMENT OVERVIEW

GTSI employs Technology Lifecycle Management (TLM) as a proactive, multi-phased approach for government agencies to plan, design, acquire, implement, and manage all elements of their IT infrastructure. TLM is a value-based offering, ideal for performance-based contracting. Engineering, project management expertise, and support services are wrapped into a long-term technology strategy that also addresses refresh rate schedules and end-of-life disposal. Flexible financing and pay-for-use plans shift the burden and risk of ownership and management of IT infrastructures away from the agency and spread the costs over the life of the assets.

TECHNOLOGY LIFECYCLE MANAGEMENT PHASES

I. Assess and Identify
GTSI begins with assessing the current environment and under-standing agency business goals to formulate a long-term plan that addresses all phases of the lifecycle. This assessment forms the framework for the recommended IT architecture by providing:

- A structured acquisition strategy
- Financial plans aligned with budget availability
- An asset management strategy
- A project integration and implementation plan
- Ongoing support plans including health checks and maintenance

II. Technology Acquisition
After assessment, GTSI works closely with agencies to develop the acquisition strategy that works best for their situation. GTSI will procure the technology assets and deliver the services agencies need for their specific IT environment. This stage includes:
- Asset procurement
- Logistics planning
- Custom payment plan

III. Integrate and Implement
Integration and implementation of the infrastructure solution draw on the expertise of solutions architects and certified engineers to follow a detailed services methodology. GTSI's use of proven and repeatable processes mitigates risks and maximizes efficiencies by providing:
- System configuration and image loading
- Asset management, such as radio frequency identification (RFID)
- Design verification and quality assurance
- Onsite or remote engineering by certified experts
- Certified project management standardized processes

This phase involves detailed project planning by technology-certified engineers and PMI-certified project managers, who have deep experience developing custom solutions and follow Earned Value Management standards. Well-defined project scope and risk mitigation plans provide the framework to ensure Service Level Agreements (SLAs) are fulfilled and the implementation is successful.

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IV. Support Services

Post-implementation support services ensure the IT infrastructure is secure, scalable, and continuously maintained for optimized productivity. During this phase, the following are addressed:

- Consolidated maintenance agreements and warranty packages to match the intended lifecycle duration
- Proactive incident monitoring, technical phone and onsite support, and parts replacement
- Configuration and change management, technology restoration, and software upgrades
- Proactive maintenance to mitigate outage and security risks

V. Technology Refresh

Hardware and software must remain relevant to ensure the IT infrastructure continually supports agency objectives. GTSI will establish a refresh schedule based on historical performance and usage requirements so technology components can be upgraded and refreshed when they reach or are near the end of their functional life. Our certified engineers will conduct an evaluation of assets and systems and create a refresh schedule based on specific agency financing and technical needs.

VI. Asset Disposal

The disposal of retired assets is often not a priority for technology managers and can be a source of security risks and hidden expenses. When asset disposal is addressed and executed as part of the long-term strategy of lifecycle management, the benefits include:

- An audit trail of equipment's final destination to reduce liabilities and security leaks associated with improper disposal
- De-installation, removal, and certificates of secure disposal meeting DoD standards

BENEFITS OF TLM

The GTSI TLM methodology enables government agencies to proactively develop strategies that leverage resources, anticipate future requirements, and focus on business goals. By comprehensively evaluating business, technology, and financial drivers, GTSI can deliver realistic lifecycle plans that set user expectations and enable IT infrastructures to be managed as a service.

A vital component of TLM is proper financial management. GTSI Financial Services (GFS), a wholly owned subsidiary of GTSI, works with agencies to develop financing plans that provide alternatives to purchasing technology assets from capital budgets. By proactively addressing capital requirements, agencies are relieved of the responsibility and burden of owning technology assets. Pay-for-use and financing options enable agencies to spread the costs of technology and services over time.

ABOUT GTSI

GTSI Corp. is the first information technology solutions provider offering a Technology Lifecycle Management (TLM) approach to IT infrastructure solutions delivered through industry-leading professional and financial services.

GTSI employs a proactive, strategic methodology that streamlines technology lifecycle management, from initial assessment to acquisition, implementation, refresh, and disposal. TLM allows government agencies to implement solutions of national and local significance quickly and cost-effectively. GTSI's certified engineers and project managers leverage strategic partnerships with technology innovators. These experts use proven, repeatable processes to design, deploy, manage, and support simple to complex solutions, to meet governments' current and future requirements and business objectives. GTSI is headquartered in Northern Virginia, outside of Washington, D.C.

For more information contact:

GTSI Corp.
3901 Stonecroft Blvd.
Chantilly, VA 20151–1010
800–999–GTSI