

Supply Chain Expertise

Lending Expertise to Life Science Supply Chains

Life science organizations face new challenges due to mergers, acquisitions and expansion into emerging markets. Meeting these challenges requires the knowledge and capabilities to integrate activities across the product lifecycle, taking into account extended supply chains with additional complexity and risk. Identifying the cause of a disruption and its impact on the other links of the chain and developing an effective solution requires a holistic understanding of the entire supply chain.

A Systems Approach

Supply chains can best be described as systems. They are collections of inter-related, inter-dependent functions and processes that must operate in concert to transform inputs (materials and components) into defined outputs (products and services) in order to achieve the desired outcome: added value and financial gain for all participants. Specific functions are performed at the 'link' level, with the weakest link in the chain being the constraint – the limiting factor in the chain.

Taking this systems approach, Tunnell's professionals utilize best practices and proven methodologies that combine the principles of Lean, Six Sigma and the Theory of Constraints to identify areas of risk and constraint, to develop sustainable solutions to increase throughput, and to reduce cost and risk. Recognizing the uniqueness of each supply chain environment, our teams work with internal and external stakeholders to meet the challenges of global manufacturing and distribution.



Sustainable Solutions

Compliance

Safety, security, regulatory and global trade requirements

Supplier Portfolio Management

Balancing opportunity and risk across an extended network

Brand Protection

Mitigation strategies to meet challenges of counterfeit, diversion and piracy

Product Life Cycle Management

Cold chain and product-level protection and sustainability

Chain Of Custody

Visibility, e-pedigree requirements, exception management and alerting

Cost Containment

Identification and management of total cost of goods sold (COGS)

Inventory Reduction

Across the network to include raw materials, WIP and finished goods

Cash To Cash Cycle Time

Reduced variability and predictable flow of goods and cash

The Tunnell Path to Transformation

With extensive experience and deep expertise across all aspects of the life sciences supply chain, we offer:

- **Supply Chain Assessment**
Diagnostic of areas of opportunity and risk, providing a path from the current to the desired state
- **Strategic Master Planning**
Collaborative development of a time-phased action plan
- **Supplier Program Development**
Development of tailored sourcing, qualification and supplier service level agreements for compliance, quality and continuous improvement to assure stability of supply
- **Supply Chain Operations Excellence**
Teaming, coaching and process improvement to create an agile and responsive supply network
- **Implementation Services**
Working in conjunction with client stakeholders and team members we provide hands-on project leadership and subject matter experts to facilitate implementation of operational changes across the supply chain environment

Supply Chain Management Challenges



For more information about how Tunnell can assist your organization with Supply Chain Transformation, please call **610.337.0820**.



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Founded in 1962 and serving many of the world's leading life sciences firms, Tunnell Consulting integrates strategic, technical, process, and organizational skills to design and implement sustainable solutions that exactly meet client needs. With deep industry knowledge, extensive scientific credentials, and superior measurable results, we consistently boost the operating performance of each unique client we serve.

Headquarters 900 East Eighth Avenue, Suite 106 • King of Prussia, PA 19406 • 610.337.0820
King of Prussia, PA | Washington, DC