



**Enhance Your  
Life Sciences  
Global Supply  
Chain Reliability**



The modern pharmaceutical and biotechnology landscape is characterized by increasingly intricate global supply chains, intensified regulatory scrutiny, and continuous economic and geopolitical shifts. These complexities pose significant threats to drug supply reliability, patient safety, and overall business continuity.

Effective strategic management of the supply chain has become essential to sustained business success, independent of temporary crises such as trade wars or tariff fluctuations. BDO's [BioProcess Technology Group \(BPTG\)](#) provides targeted, strategic solutions tailored specifically to pharma and biotech CMC sponsor companies, empowering them to navigate and thrive amid these challenges.



# Addressing Today's Urgent Supply Chain Challenges

Life sciences companies today grapple with several interconnected challenges:

- ▶ Managing **complex supplier networks** to maintain **consistent supply chain reliability** and ensure **robust business continuity**.
- ▶ Sustaining compliance with **evolving global regulatory expectations**, maintaining quality, and **reducing risk**.
- ▶ Achieving **global sustainability goals** while optimizing **operational efficiencies** and **controlling costs**.

Successfully managing these challenges demands strategic approaches and a clearly defined roadmap to safeguard drug supply security and maintain market competitiveness.

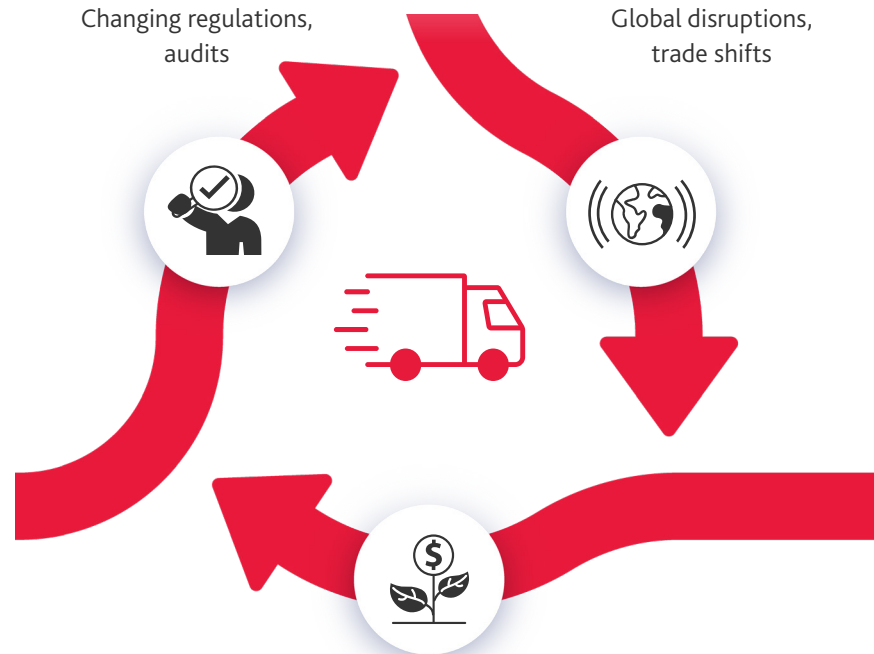
## Supply Chain Disruption

### REGULATORY COMPLIANCE

Changing regulations,  
audits

### GEOPOLITICAL RISKS

Global disruptions,  
trade shifts



### SUSTAINABILITY GOALS

Reducing environmental impact



# BDO's Strategic Supply Chain Solutions

BDO's BioProcess Technology Group (BPTG) offers deep operational experience and established methodologies specifically designed to help pharma and biotech organizations strategically manage supply chain risks.

## Key deliverables and strategic outcomes include:

- ▶ **Detailed Cost Structure Insights:** Analysis of incremental costs and identification of savings opportunities related to raw materials, consumables, staffing, and capital expenditures, facilitating informed and strategic financial planning.
- ▶ **Scenario-Based Value Quantification:** Advanced modeling of various strategic scenarios including manufacturing location changes, supplier diversification, and tech transfer options to Contract Manufacturing Organizations (CMOs), providing clear comparisons of cost implications and risk management strategies.
- ▶ **Global Sustainability & Compliance:** Feasibility assessments for meeting global sustainability metrics (waste reduction, power consumption, regulatory adherence), with proactive identification of risks across multiple geographic regions.
- ▶ **Comprehensive Economic Modeling:** Thorough evaluation of manufacturing processes, including tech transfer feasibility, resource needs, start-up investments, and ongoing operational expenses, crucial for robust decision-making in manufacturing footprint optimization.
- ▶ **Experience Across Therapeutic Modalities:** Extensive experience across diverse therapeutic areas such as monoclonal antibodies (MABs), recombinant proteins, gene therapies, and cell therapies, ensuring tailored solutions directly aligned with your specific products and processes.

## Case Study Example



### CHALLENGE

A large pharma company needed to optimize its global manufacturing operations, focusing on supplier rationalization, supply chain reliability, and sustainability.



### BDO APPROACH

BDO's BioProcess Technology Group developed a comprehensive playbook to guide the company through new process implementations, focusing on cost structures, process feasibility, and sustainability metrics.



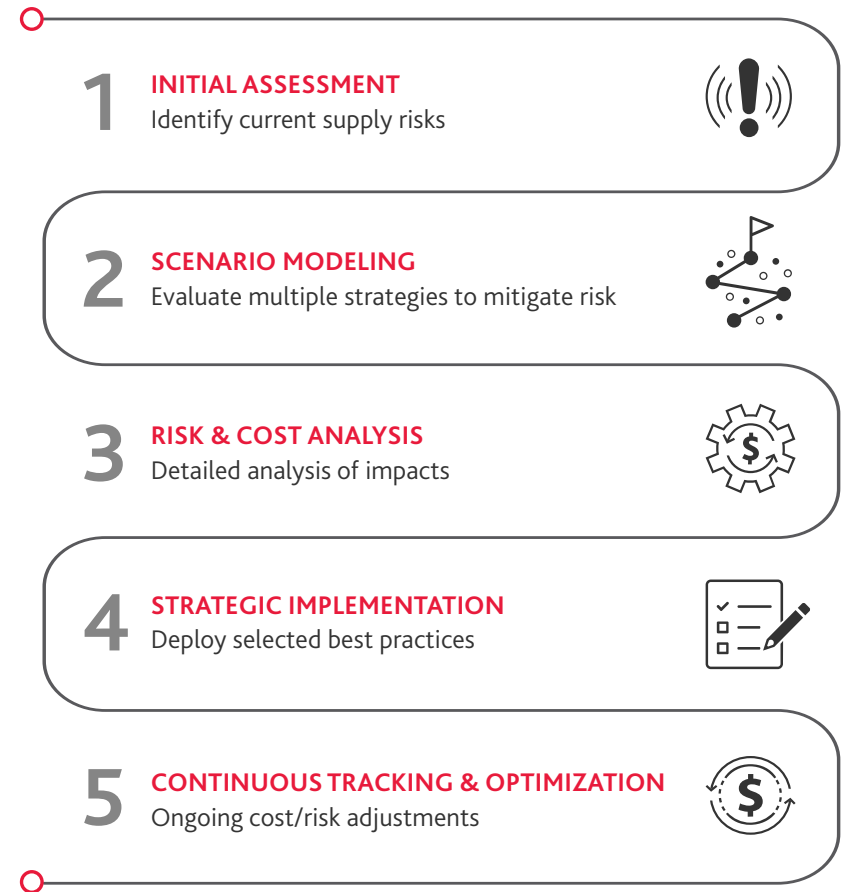
### RESULTS

The project led to significant capital investment, improved process economics, enhanced sustainability, and optimized global supply chain efficiencies.

# Empowering Strategic Decisions through Advanced Modeling

BDO leverages sophisticated global portfolio modeling tools enabling:

- ▶ Precise evaluation and management of cost impacts related to global sourcing and procurement.
- ▶ Strategic assessment of manufacturing locations, factoring in benchmarked labor costs, regulatory landscapes, and geopolitical conditions.
- ▶ Long-term evaluation of outsourcing versus internal manufacturing scenarios, enabling clear, informed "[make vs. buy](#)" decisions.
- ▶ Detailed tax implication analyses, providing clarity on financial impacts related to customs fees, import/export taxes, and VAT.
- ▶ Continuous cost tracking and optimization over time, ensuring sustainable competitiveness and resilient business continuity.





## Enable Business Continuity and Supply Security with BDO

In today's complex and dynamic international environment, pharma and biotech companies must proactively safeguard their [global supply chains](#). BDO's [BioProcess Technology Group \(BPTG\)](#) can provide the strategic insights, advanced modeling capabilities, and targeted experience necessary to transform your supply chain from a vulnerability into a resilient competitive advantage. BDO can help to strategically secure your drug supply reliability and achieve sustained operational excellence.





Our purpose is helping people thrive, every day. Together, we are focused on delivering exceptional and sustainable outcomes and value for our people, our clients and our communities. BDO is proud to be an ESOP company, reflecting a culture that puts people first. BDO professionals provide assurance, tax and advisory services for a diverse range of clients across the U.S. and in over 160 countries through our global organization.

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