



Master of Supply Chain Management

Student Consulting Projects

2022 Project Descriptions

- Created a spreadsheet-based Material Requirements Planning (MRP) system for a Covid testing device manufacturer.
- Improved utilization of automated packaging machines for an international supply chain solutions service provider.
- Mapped processes and recommended efficiencies in procurement, receiving and inventory management for the equipment maintenance facilities of a global marine terminal operator.
- Conducted a root cause analysis and benchmarking survey of last mile delivery to improve customer satisfaction for a high-end pet food manufacturer.
- Benchmarked touchless buying solutions and determined which best-in-class practices would be most likely to improve processes at a leading technology company.
- Utilizing make-or-buy and demand planning analyses, created a strategy and planning tool for parts support of discontinued models for a global truck manufacturer and technology leader.
- Analyzed the international supply chain of a lifestyle apparel manufacturer and made recommendations for improvements in forecasting and demand planning.
- Analyzed pandemic-induced supply chain constraints to predict future disruptions and recommended mitigating strategies for a global IT solution provider.

Previous Sponsors

- Alaska Airlines
- Anavasi
- Arvato Supply Chain Solutions
- Boeing
- Carrix/SSA Marine*
- Columbia Distributing
- Continental Mills*
- Darigold*
- Darwin's Natural Pet Products*
- Expeditors*
- F5 Networks
- Fluke Biomedical
- Foss Shipyard*
- Microsoft*
- MicroSurgical Technology*
- PACCAR*
- Polyform US*
- Puget Sound Energy*
- REI
- Sound Transit
- Tommy Bahama*
- Zones*

**Multiple Projects*

More Information:

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What Makes a Good Project?

The project should be of value to you and your organization. If nothing comes immediately to mind, you might consider issues or challenges on the back burner because you have not had the time or resources to address them. Take a look at the functional areas and topics listed below to get some ideas. We would be glad to talk with you about your possible projects. In the meantime, this information will provide further guidance.

Required:

- Strong support from company management
- Sponsor available for weekly check-in
- Can be completed in the eight weeks allotted
- Requires no more than four site visits
- Sponsor company can readily provide access to data and other resources
- Deliverables include actionable recommendations

Sponsor Time Commitment:

Depending on the scope and nature of the project, you should plan on an hour per week minimum once the project is underway. More time will be required at the beginning to get the scope settled and host a site visit.

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Fits into one or more of these subject areas:

- Strategy: Supply chain audit, mapping and benchmarking; global network design
- Planning: Forecasting and demand planning, capacity analysis, sales & operations planning
- Distribution: Inventory optimization, warehouse location and efficiency, omnichannel management, transportation and logistics decisions
- Manufacturing and Service: Production planning, service systems design, wait-time analysis, staffing plans
- Sourcing: Make vs. buy analysis, supplier selection process, auctions, scorecards, contracts, CSR benchmarking, procurement
- Process Improvement: Lean and Six Sigma, reengineering, decision support systems, spreadsheet modeling, software selection, project planning, collaborative processes, carbon footprint reduction

Even better if:

- It has large, readily-available, data sets
- It's suitable for Six Sigma problem solving methodologies
- There is a strong likelihood that at least some recommendations will be implemented