

THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
The William States Lee College of Engineering
**Engineering Management Program &
Center for Lean Logistics and Engineered Systems
& American Society for Quality, Charlotte Section**

Joint Meeting

6:00 pm – 7:30 pm, 4/17/2006 (Monday)
Denny Building, Room 220

Achieving Lean System Benefits: A Lean Supply Chain Case Study

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S. Gary Teng, Ph.D., P.E., EMGT/CLLES, UNCC

Tom Johnson, Johnson Lean Enterprise Consultancy
Tom Benson, Pass and Seymour/legrand & ASQ
Dean Nestvogel, Pass and Seymour/legrand

This presentation includes the discussion of a lean supply chain case study for a bicycle manufacturing company created in an effort to expose UNC Charlotte students to a real life lean implementation experience. The project was initiated and completed with the collaborations of the Engineering Management Program and the Center for Lean Logistics and Engineered Systems (CLLES) at UNC Charlotte, the Charlotte Section of the American Society for Quality, Johnson Lean Enterprise Consultancy, and Pass and Seymour/legrand. The case study introduces four scenarios related to Forecasting, Inventory Control, Product Design issues and Manufacturing constraints. The scenarios are based on actual global business challenges a Project Facilitator may encounter with a traditional business enterprise before the introduction to Lean Supply Chain Management and Lean Manufacturing. The presentations will show the challenges presented by the case study and how the students analyzed the scenarios and developed effective solutions with significant business benefits. This study reveals that organizations implementing established lean techniques can compete in the global economy.

The lean supply chain case study demonstrates that being “lean” requires going beyond the four walls of a manufacturing company, and also presents a good working model for university and industry integration in an effort to jointly develop qualified lean professionals.

<http://www.coe.uncc.edu/mem/CLLES-ASQ-LeanPanel.html>