

The Supply Chain in Reverse - Component Remanufacturing at Rolls-Royce Corp.

Presented by Peter Clonts CPIM and James Tilton CPIM

What is reverse logistics? Reverse logistics is the movement of products, materials, and information for the purpose of proper disposal and creating or recapturing value. Remanufacturing and refurbishing activities also may be included in the definition of reverse logistics. This presentation will investigate the world of reverse logistics, with the presenters sharing important lessons in remanufacturing and closed-loop supply chains based on real-world examples from Rolls-Royce Corporation.

Some of the topics to be discussed include remanufacturing, reverse supply chain, closed loop supply chain, supply chain models (both forward and reverse), and the closed loop materials process. Additionally, Peter and James will discuss an overview of Rolls-Royce Corporation, a tour through a Rolls-Royce engine, and share some best practices.

By reducing and / or eliminating waste from the reverse logistics processes in their remanufacturing supply chain Rolls-Royce Corporation, located in Indianapolis, Indiana, achieved over two million dollars in benefit. These benefits were achieved through two separate LEAN Six Sigma projects.

Unlike industries where materials are returned primarily for the recapturing of the base raw material value through a recycle program, Rolls-Royce operates a remanufacturing business to repair and return components to airworthiness condition. Rolls-Royce Global Repair Services/ Americas (GRSA) manages this operation. Roll-Royce has a global recycle program whereby their scrap metals are reintroduced into the raw materials supply chain for both Rolls-Royce and our supply base.



About Rolls-Royce: Rolls-Royce is a global company, providing integrated power solutions for customers in civil and defense aerospace, marine and energy markets. We support our customers through a worldwide network of offices, manufacturing, and service facilities. The Indianapolis Operation is a world-leading provider of power systems and services. They design, develop, manufacture and support gas turbine engines for use on land, sea and air.

About the Speakers



Peter Clonts CPIM is Master Scheduler for the Global Repair Services / Americas division of Rolls-Royce. He is a 25 year veteran of chemical and high-tech manufacturing operations and supply chain logistics management from production floor operations to forecasting/planning and data analysis to supply chain & logistics management for OEM, aftermarket, and component repair logistics and asset management. Peter has a BS English, Armstrong Atlantic State University. He is current Vice – President, Programs for the APICS Central Indiana Chapter Board of Directors. Peter is completing the Rolls-Royce Lean Six Sigma Green Belt Accreditation



James Tilton CPIM is Logistics Manager for the Global Repair Services / Americas division of Rolls-Royce. He is a 30-plus year veteran of high-tech manufacturing operations and supply chain logistics management, from shop floor operations to forecasting and data analysis to supply chain & logistics management for OEM, aftermarket, and component repair logistics and asset management. James has a BS Business Management, Indiana Wesleyan University. He is Past President of the APICS Central Indiana Chapter, currently holds a position on the APICS Great Lakes District Staff, and is certified to instruct CPIM Classes. James has Rolls-Royce Lean Six Sigma Green Belt Accreditation and had studied Project Management Body of Knowledge (PMBOK). He is also a subject matter expert for CONEXUS Indiana to develop the Indiana high school curriculum for advanced manufacturing and Logistics.

February PDM Registration

Date: Thursday, February 20th, 2014

Location: Riverside Receptions - 35 North River Lane Geneva, IL 60134

Cost: \$25 APICS Member Rate / \$40 Non-Member Rate / \$10 APICS NIU Student Member Rate

Schedule:

5:30pm - Networking (cash bar available)

6:15pm - Dinner

7:00pm - Presentation

8:15pm - Announcements

Register on our website at www.apics-foxriver.org by noon on Tuesday, February 18th, 2014.