

A LDI Training Course

SUPPLY CHAIN MANAGEMENT

(Strategy, Planning and Operations)

by

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Introduction

To manage the huge amount of expenditures in procuring materials in the oil and gas industry, companies must apply knowledge, logistics and supply chain methodologies. Supply chain management is the art and science of moving materials and products.

The first objective of this course is for the participants to learn the strategic importance of good supply chain design, planning and operations for every company. The participants will be able to understand and visualize how good supply chain management can save money and time for the company. Similarly participants will understand how weaknesses in supply chain design, planning and operation can hurt the performance of the company.

This course will also discuss the development of Supply Chain function in the Indonesian oil & gas industry, especially the future trend, best practices and compliance with the government regulations.

Benefit of Attending

- Understand the strategic importance of your company's supply chain functions
- Learn how design, plan and operate your supply chain functions effectively
- Improve the knowledge and skills in managing materials procurement
- Understand the new trend in oil & gas industry procurement in Indonesia
- Understand the latest government regulations in materials procurement in oil & gas industry in Indonesia.
- Know what sorts of skills the newest generation of supply chain managers use.

Course Outline

◆ Introduction

- How important is Materials in Oil & Gas Industry?
- Is Procurement function a strategic or a support function?
- Looking back at the history of procurement.
- The fact: no school to become buyer.
- Basic Principles of Materials Management

- Five Rights in Materials procurement
 - i. Right Price
 - ii. Right Quantity
 - iii. Right Quality
 - iv. Right Time
 - v. Right Source
- The Evolution from Buying to Purchasing to Procurement to Supply Chain

◆ **Purchasing Management**

- Purchasing Cycle
- Demand Management and Forecasting
- Supplier Selection and Rating
- Tender Process
- Owner's Estimate
- Quality Assurance
- Negotiation
- Government Regulation on Procurement
 - i. Keppres 80 and its derivatives
 - ii. PTK 007
 - iii. Local Content (TKDN)
- Professional Certification in Purchasing

◆ **Inventory Management**

- Materials for Production
- Materials for Exploration
- Materials for Projects
- Materials for Maintenance operations
- Materials for Service operations
- Service Level
- Safety Stock
- Demo: Monte Carlo Simulation of Safety Stock
- Professional Certification in Inventory Management

◆ **Material Skill**

- Material Knowledge
- Material Skill
- Value Analysis
- Buying from OEM

◆ **Vendor Management**

◆ **Warehouse Management**

- Inbound
- Outbound
- Layout
- Warehouse Performance Metrics
- FIFO and Materials Valuation

Who Should Attend

Managers and Staff of:

- Procurement functions
- Warehouse Functions
- Inventory department
- Logistics Function
- Materials Specialists
- Vendor Management
- Contracts personnel

About the Course Leader

Dr. Ir. Antarikso Abdulrahman, MBA, CPIM is an expert in operations management as an academician and a practitioner. He is a graduate of the Mechanical Engineering Department of ITB, and he received an MBA degree from the University of Wisconsin (Madison, WI, USA). His doctoral degree is from the Smeal College of Business Administration of the Pennsylvania State University (University Park, PA, USA).

He is Certified in Production and Inventory Management (CPIM) by the American Production and Inventory Control Society (APICS), USA. He is a member of APICS, SME (Society of Manufacturing Engineers), USA, CIPS (Chartered Institute of Purchasing and Supply), UK., and Project Management Institute (PMI), USA.

He was a faculty member of the Faculty of Economics at University of Indonesia for 11 years and a faculty member of IPMI MBA Program for 15 years. He taught at Pennsylvania State University (USA) for 3 years. He is currently the director of PT. Pendidikan Eksekutif Puncak and the Chairman of the Advisory Board of the Indonesian Production and Operations Management Society (IPOMS).

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