



## Management of Hazardous Inventory – 3 Day MasterClass

### MasterClass Overview

Whilst the management of inventory has been explored and developed over the years, it remains an element of the Supply Chain which causes huge discussion and anguish. Debate has raged ever since Taiichi Ohno included inventory as one of his seven critical wastes and set out to eliminate inventory from the Toyota production system. Ohno viewed that by establishing guaranteed lead times, creating a perfect forecast and establishing effective supplier relationships, inventory could be eliminated and the organisation could reach its Lean aspirations.

But what about Health and Safety items, hazardous chemicals, waste products, COSHH materials and so on? In the oil industry, for example, biological inhibitors are added to gases to give them odour, and radioactive rocks are often drilled during the well set-up producing radioactive waste; industrial organisations utilize chemicals and gases within their production processes, but how are they stored, contained and disposed of; yet even simple bottles of cleaning product and correction fluid in the stationary cupboard need to be considered as specialist inventory, and must be dealt with special care within the inventory function.

During the MasterClass, specific aspects of waste material will be covered as part of the creation of a hazardous Inventory strategy. Best practice, legal responsibilities and general environmental diligence will underpin the learning objectives, with real case examples such as Union Carbide (Bhopal), Chernobyl, Deep Water Horizon, Fukushima and others, used to help illustrate best practice and common issues.

As part of the training, business models and process will be explored to help identify the correct inventory to be held, identification of issues, and the management of the Inventory, Warehousing, Logistics and disposal functions within the organisation. This will be underpinned with reference to some of the more important HSE and international legal requirements pertaining to the management, storage and transportation of hazardous inventory and guidance as to where such information can be sourced to reflect individual organizational requirements.

### ***BENEFITS, KNOWLEDGE, SKILLS GAINED BY ATTENDING THE BMTG MHI MASTERCLASS:***

- The MasterClass will give attendees a detailed insight into the importance, methodologies and risks associated with the storage and management of hazardous materials;
- Attendees will be able to assess and evaluate the risks associated with inventory contained within the organisation and its operational activities even if they are managed by third party contractors;
- Attendees will as part of the MasterClass draft an inventory management risk assessment and mitigation plan and ensure inventory related risks are managed and where necessary minimized;
- Attendees will be aware of some of some of the main pieces of legislation relating to storage, transportation and disposal of hazardous materials;
- Attendees will understand the warehousing initiatives and resources available to help manage and handle hazardous inventory;

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- Attendees will by the end of the MasterClass be able to generate strategy, policy and process to ensure inventory is minimized but where necessary managed in accordance with Inventory Management best practice.

## **WHO SHOULD ATTEND THIS BMTG MHI MASTERCLASS**

- Business Owners / Managing Directors
  - Warehouse Managers and Supervisory Team Members
  - Inventory Managers and controllers
  - Procurement Directors
  - Buyers / Senior Buyers
  - Supply Chain Management Personnel
  - Operations Managers & Directors
  - Project Managers, Directors and Engineers
  - Risk Managers
  - Health & Safety Officers
  - Supplier Managers
  - General Managers
  - Divisional Heads
  - Project Leaders
  - Team Leaders
  - Supervisors
  - Contractors
  - Management Consultants
- **PLUS** anyone who is responsible for / involved in, or anticipates being involved with Managing Hazardous Inventory

## ***By attending this MasterClass you will be equipped with the skills to:***

- Understand the Role of the Inventory Management within the Organisation
- Develop standard inventory management process awareness
- Assess the Effectiveness of the risk management function
- Effectively Plan and Manage Inventory to maximize investment return and waste reduction
- Ensure operation compliance with inventory and waste management legislation
- Utilise effective warehouse management resources and processes
- Understand risk and impact of a breach in protocol or incident
- Develop process and strategy to manage hazardous inventory products
- Understand and build effective assessment models
- Utilise established business models to evaluate performance and set SMART objectives
- Introduce and manage effective KPI's and SLA's
- Improve health and safety of the workforce and stakeholders
- Enhance environmental awareness and consideration
- Deliver real bottom line efficiencies and cost savings

# Management of Hazardous Inventory

## THE BMTG TRAINING STYLE

- BMTG employ best practice interactive training techniques.
- All of our Trainers are highly experienced practitioners who have operated successfully in the field and are with BMTG by reputation and invitation only. We have no 'beginners'. All of our Trainers have themselves been trained in BMTG techniques and our style is common throughout our entire portfolio of MasterClasses.
- The BMTG technique involves classroom lecturing, highly intensive case study / role playing sessions, classroom interaction and feedback, group analysis and peer learning, one-to-one coaching from the Trainer, and a final assessment.
- BMTG have found this to be one of the most effective training methodologies to date and many large multinationals and training companies have also taken up this approach.

## MEET YOUR MASTERCLASS DIRECTOR: Paul Jackson, BSC MICM MCIPS



Paul Jackson is an accomplished Supply Chain professional and training consultant with significant expertise in the area of procurement, Supply Chain Management, inventory and warehousing management, sustainability and supplier development. Paul has consistently delivered commercial benefits and training across a range of private and public sector markets and has positively influenced large blue chip organisations such as BAE Systems, ChevronTexaco, and Teliasonera as well as Public Sector and numerous SME clients. His ability to deliver projects on time and budget, run operational facilities and train teams makes him an ideal project trainer and mentor.

Paul is an enthusiastic team player and is equally comfortable working within a team as he is leading from the front or coaching from the classroom. He has exceptional change management skills and has the experience and personality to lead large teams successfully through periods of transition. He has run a number of businesses over the years, managed office and warehousing operations, run production plants, and operated datacentres, as well as managing contracts to support the facilities and operational management activities associated within the organisation. He is also an experienced overseas operator having undertaken projects in many diverse locations including countries such as Kazakhstan, Nigeria, Angola, Indonesia, China, Japan and Saudi Arabia.

Paul is an articulate communicator with well developed project delivery, contract negotiation and presentation skills. He manages projects with an enviable ease and engages people with a coaching philosophy which focuses on motivation, mentoring and development. He also runs and manages end-to-end Supply Chain audits, feasibility studies and compliance assessments to help drive effective change and identify strategic opportunities and risk. Furthermore, Paul was for a number of years a successful business manager with a warehousing and logistics organisation and approached all aspects of his work with a heavy focus on the improvement of profit through cost reduction, development of markets in locations such as India and China, and through the improvement of skills in the workforce.

Paul is a MCIPS, BTEC and IACCM trainer in Procurement, Supply Chain Management, Negotiation and Inventory Management and lead author of "the Sustainable Business" published in early 2013, lead-author of "101 Tools of Procurement and Supply Chain Management" and co-author of Practical Procurement second edition. He has also published articles in a number of different journals including Supply Management, IPSCM. Intend and Marine Trader. He is a Prince 2 qualified project manager, a Six Sigma Green belt, and has UK National Security Clearance.

# Management of Hazardous Inventory

## MasterClass Outline

### What are Hazardous Materials?

- Creation of a clear understanding of the scope of the term “hazardous” and the term Hazmat
- Understand the material issues affecting candidates in their workplace

### Categories of Hazardous Materials

- Define the categories of hazardous materials
- Identify features and issues relating to each category
- Discuss storage and warehousing requirements for each category
- Examine labelling requirements for hazardous materials

### Fundamentals of Inventory Management

- Explore the fundamentals of Inventory Management
- Discuss Warehouse and Storage of inventory
- Examine PPE and equipment requirements for Hazardous materials management

### Legislation, Environment & Ethics

- Outline legislation relating to hazardous waste management, storage, transportation and disposal
- Explore restrictions and environmental issues relating to hazardous waste management
- Understand the ethical position with respect to management and disposal of materials
- Establish responsibility and liability

### Risk Management & HSE

- Understand the risks related to hazardous materials management
- Generate a Hazmat Risk Register and Risk Management plan
- Explore Risk Management process
- Generate Risk Mitigation processes

### Prevention, Storage & Disposal Methods

- Recommend methods to reduce hazardous waste
- Discuss disposal options and opportunities
- Assess storage options of hazardous materials
- Understand the obstacles for prevention and disposal
- Measurement methodology of efficiency

### Stakeholder Engagement

- Develop a stakeholder register
- Evaluate a stakeholder management strategy

- Analyse and categorise stakeholder strategies

### Targeting, Measurement & Goal Setting

- Selecting Effective KPI's
- Selecting Appropriate Service Levels
- Measurement and review of KPI activity

### Specific Material Areas: Gaseous Materials

- Assessment and analysis of the specific issues relating to the management of gaseous materials
- Case Study – Associated Octel

### Specific Material Areas: Liquids & Chemicals

- Assessment and analysis of the specific issues relating to the management of liquids and chemicals
- Case Study Union Carbide Bhopal

### Specific Material Areas: Biological & Radioactive

- Assessment and analysis of the specific issues relating to the management of biological & radioactive substances
- Case Study - Chernobyl

### Specific Material Areas: Waste Outputs & Spills

- Assessment and analysis of the specific issues relating to the management of waste and other toxic output
- Case Study – Deepwater Horizon

### Pollution Prevention, Conservation & Clean-up

- Discussion relating to prevention and pollution management
- Changing hearts and minds within the organisation
- Environmental awareness and legislation

### Hazardous Material Strategy

- Creating a materials and Inventory Strategy
- Measuring and managing the strategic delivery
- Strategy review and stakeholder engagement

### Review of MasterClass and Action Planning

- A review of learning and learning outcomes
- Setting personal objectives

The programme will include a series of group exercises, group discussions and case studies with a high level of delegate interaction.

Due to the varied nature of legislative requirements, this MasterClass will reflect on base requirements and international concepts and give guidance as to where participants can get specific local detail