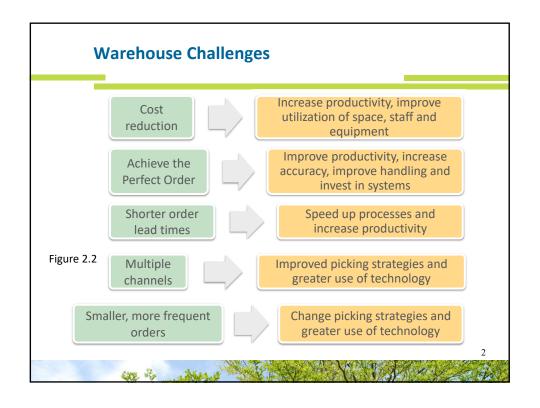
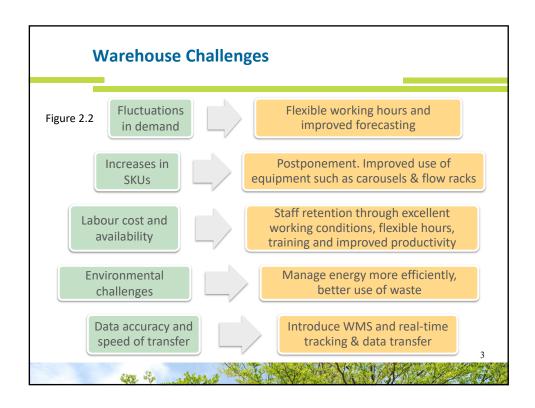
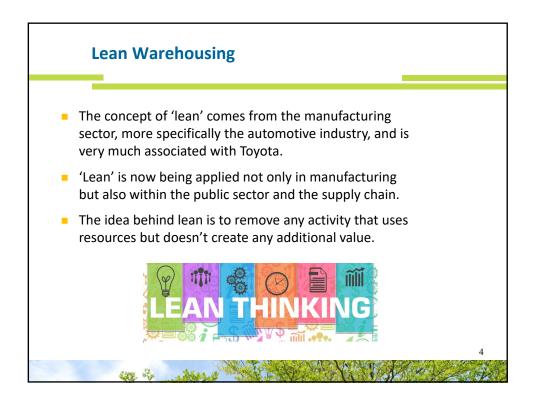
Chapter 2: Role of Warehouse Managers Warehouse managers are expected to recognize 6 basic tenets: and balance other trade-offs as follows: accuracy; increased throughput vs. reduction in labour cost control; cleanliness; storage density vs. quicker pallet extraction; manual vs. automated processes; efficiency; increased pick rates vs. accuracy; safety; inventory holding costs vs. cost of stock outs; security. speed vs. safety.







Examples

 half-height and quarter-height pallets taking up space in twometre-high locations; 零板佔用儲位

Solution: moving smaller pallets to other locations, reducing beam heights or adjustable heights

 part pallets of the same product spread over a number of different locations; 品項儲存於不同儲位

Solution: Consolidate the pallets. Tradeoff between labour cost and storage space. 多儲位的優點

over 10 per cent of the stock was obsolete. 呆料庫存

Solution: Decisions have to be made in conjunction with the finance department to dispose of obsolete product

5

Seven Wastes or Muda

- transportation (driving an empty forklift) 空車行駛
- defects (time spent correcting errors such as misspicks) 揀錯
- inventories (congestion at the inbound and outbound areas)
 進出貨區域擁擠
- motion (interrupting movement such as staging product before put-away) 入庫作業中斷
- waiting time (bottlenecks at pick locations) 等候揀貨
- overproduction (holding too much inventory) 庫存過多
- overprocessing (performing unnecessary steps such as labelling and checking) 非必要的檢查



5S	Actions	Responsibility	Measurement	
Sort	Identify obsolete stock and dispose of it	Inventory manager	Increased available storage locations	
Straighten	ABC analysis Locations are clearly defined and labelled	Warehouse manger	Increased picking productivity	
Shine	Work areas are clean and damage free	Housekeeping	Visual	
Standardize	Standard procedures and records for each operation	Team leaders	Accuracy, Quality	
Sustain	Regular review meetings and recognitions	Warehouse manager/Team leaders	Suggestions made. Improvements introduced.	

Workforce Management

- identifying, attracting and retaining good supervisors, first line managers and team leaders; 基層幹部
- retaining and attracting new employees; 員工素質
- an ageing and constantly changing workforce, including the introduction of foreign staff; 外勞
- identifying training needs;
- the need to provide safe, comfortable working conditions; 安全
- employment contract negotiations; 勞動合約
- compliance with employment and health and safety legislation 勞基法
- staff discipline. 紀律

9

Effective Supervisors and Managers

- Communication skills
- Ability to <u>delegate</u> effectively 用人
- Motivation skills
- Problem-solving skills
- Flexibility (react quickly and handle stress)
- Comprehensive knowledge
- Ability to train others
- Be customer oriented
- Teamwork skills 領導

- ability to work in a group;
- ability to build relationships;
- ability to cope under pressure;
- · negotiating skills;
- · ability to cooperate;
- coordination and allocation of tasks;
- influencing skills;
- ability to compromise where necessary;
- · ability to make decisions.

Training

- ensure that all staff receive an induction: showing the end-toend supply chain and how each step impacts the final customer
- undertake a training needs analysis to identify which staff require specific types of training. There are always areas in which staff need to be trained – the trick is in identifying them.
- all staff operating mechanical handling equipment must be trained on each individual piece of equipment and obtain a licence from the authorities
- 教導並要求遵照工作安全規範

11

Attracting and Retaining Employees

 Many firms see monetary incentives as being key to staff recruitment and retention.



- Surveys suggests otherwise with active employee involvement in productivity improvement, ... being seen as high on the list. (52)
- Flexible hours, recognition of a job well done, <u>clean and safe</u>
 working conditions, ... crucial to attracting and retaining staff. (52)
- As warehouses become more technically advanced this will also attract a new breed of warehouse employee – those with an interest in technology and automation. 物流共和國

Warehouse Audit

ISO 9001 – a standard of requirements against which your Quality Management System can be evaluated; 產品或作業的品質管理

ISO 14001 – a standard of requirements that defines and establishes controls to reduce your company's impact on the environment; 環保

ISO 50001 – a standard of requirements that deals with the energy impact of your warehouse operation; 節能

HACCP (ISO 22000) - 食品安全問題的管理系統

OHSAS 18001 (ISO 45001) – a standard of requirements against which your Health and Safety Management System can be evaluated; 職業健康安全

EICC (BRA) – Electronic Industry Code of Conduct 電子產業行為準則

ISO 27001 – a standard of requirements which deals with all aspects of information security (outsourced warehousing). 資訊安全

13

We will be a street of the str

ISO 14001



- ISO 14001是一種標準,用於確定從原材料到客戶的過程中的環境因素,並通過必要的預防措施控制這些因素,並最大限度地減少對環境的危害。 ISO 14001是一種管理系統,旨在系統地減少並在可能的情況下消除企業可能對環境造成的損害。
- 優化資源配置、綠色運輸、綠色倉儲、綠色包裝、逆物流

momo致力於發展綠色物流、友善包裝·2020年綠色物流與低碳運輸每月合計減少21.28公噸碳排放。在實踐綠色物流的道路上,momo從倉儲建置、運輸的布局皆將環境永續的理念涵蓋其中,如北區物流中心太陽能發電設置,持續打造綠色自有車隊,引進符合能源效率運輸車輛。

momo不僅建立環境管理系統及運作機制,同時透過教育訓練提升公司內部環境永續意識,如針對同仁積極推動無紙化措施、廢棄物管理及各式節能宣導等。在momo的努力下,2020年雙雙通過ISO 14064-1溫室氣體盤查查證、ISO 14001環境管理系統驗證,實踐建立永續營運綠生活承諾。



HACCP (ISO 22000)

- HACCP制度為世界各國在食品管理政策之共同基準,強調源頭管理模式,從原料處理到產品製造、銷售等完整製程中,評估潛在的危害因素,並加以有效監測以確保食品安全的管理制度。實施HACCP制度的工廠,必須具備對其加工程序中可能發生之生物性、化學性或物理性危害,進行詳實之評估分析並研訂對策,確保產品安全品質。
- 包含從食物源頭開始的農場主,到食品與飼料生產、加工、製造的廠商、批發商和零售商,同時也適用於與食品有關的物流運輸、倉儲配送、包裝材料供應廠商、農業化學品和食品添加劑供應廠商,甚至涉及食品的服務供應商、餐廳、設備、清潔員也都算在內。





全台物流於2010年領先同業取得食品安全管理系統雙認證·確保從全台物流從食品服務、加工、運輸、儲存、零售和包裝等作業流程中,皆符合食品安全管理體系要求·提供客戶新鮮、安全與衛生商品的良好作業品質。

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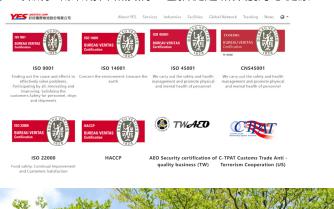


ISO 45001 (OHSAS 18001)





■ ISO 45001是職業安全健康管理體系的ISO標準之一,基於國際 勞工組織OHSAS 18001的公約、準則以及國家標準。ISO 45001 的目標是為員工提供安全的作業場所,進行危害鑑別、風險評 估,並確定必要的控制措施,提升人員的職業衛生安全意識和 能力,以減少職業傷害和疾病,包括促進和保護身心健康。



Electronic Industry Code of Conduct

- 惠普、戴爾和IBM等共同發表電子產業行為準則(EICC),旨在電子行業的全球供應鏈中,建立標準化的社會責任感行為規範。該準則由一系列的基本規範組成,涉及勞工和招聘、健康安全、環境責任、管理系統和道德規範等。
- 2017年10月EICC 宣布組織改造同時亦改名為責任商業聯盟 (Responsible Business Alliance, RBA)



日月光加入EICC後將與供應商共同遵守EICC行為準則,並推動供應管理「SMILE供應鏈到ART供應網路」行動計畫,表達共創綠色永續供應鏈的決心。日月光表示,未來將關注供應鏈的綠色管理包括:一、原物料的綠色尋源與採購。二、資本設備與耗材的綠色支出。三、運輸與倉儲的綠色物流服務,引領供應商共同承擔環境、員工等社會責任。從商業道德、安全衛生、環境保護、管理系統等方面帶動整體供應鏈的綠化升級與永續經營目標。

17



ISO 27001



有關資訊安全管理系統架構、實施、維護以及持續改善上的要求,目的是幫助組織可以使其保管的資訊資產更加安全。ISO/IEC 27001包括的不只是IT部門而已, ISO/IEC 27001會要求進行以下的管理:

- 系統性地檢驗組織的資訊安全風險,考慮其威脅、弱點以及影響。
- 包含客戶隱私,企業機密以及資訊科技層面,更包含法律,人員管理,物資管理等諸多方面,每個與資訊相關的組織都應該進行相關的資訊安全風險評估,藉由相關的指導和建議實施適當的資訊安全管控。

新竹物流為落實客戶資料保護,於 99 年即成立個資保護執行委員會,於 99 年通過 ISO27001,今年再次通過 ISO27001 與 BS10012 兩國際驗證標準。成為台灣第一家同時通過 ISO27001 與 BS10012 認證之物流商;代表新竹物流對個資的管理與資訊安全是為企業首要議題,肯定其對客戶資料的重視與善盡保護責任的努力。

Summary

- Reducing cost and inventory whilst increasing customer service.
- Reducing waste
- An ageing population and difficulty in attracting new staff pose more challenges for today's manager, together with increased environmental pressures.
- Quality of service is what sets companies apart.
- Warehouse audit checklists (p.387)