

Swire Coca-Cola HK 太古可口可樂香港



Significantly Uplifting Efficiency through RFID
通過無線射頻識別 顯著提高效率

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By adopting GS1 RFID standard and supporting services, the TCS system achieved a positive outcome, in particular with the increased number of trucks to be loaded per working day and reduced average loading time and queuing time. Furthermore real time data can be collected so that management can react instantly in terms of decision making.

Swire Coca-Cola HK

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About the company

Swire Coca-Cola HK is a wholly owned subsidiary of Swire Beverages Limited. As the leading soft drink manufacturer in Hong Kong, it employs nearly 1,200 staff, operates 16 production lines, and produces more than 64 million unit cases annually.

Project Background

Since 2012, Swire Coca-Cola HK has started to implement RFID on trucks and parking areas to improve the efficiency of its distribution operations and to optimise the use of its existing vehicle fleet and loading facilities. GS1 Hong Kong was appointed the Project Advisor / Manager to manage and audit the project implementation, and to liaise and coordinate with vendors.

Upon the completion of 2012's implementation, the company noticed that the average number of trucks loaded per working day and loading bay utilisation has increased by 8-10%, while average loading time and queuing time decreased by 13-14%. In 2016, Swire Coca-Cola HK would like to extend the RFID usage to other areas and enhance its application to expedite the truck traffic flow.

Solutions

Hence, GS1 Hong Kong was appointed the Project Manager for RFID Traffic Control System and RFID Queuing System to implement RFID on waiting areas and was responsible for the entire project management. Our role includes:

- Managed and audited the project implementation and coordinated with vendors

- Conducted all necessary quality assurance procedures on all deliverables
- Participated in and assessed all processes and solutions during consultation phases
- Assisted application for training subsidy from the Government

Swire Coca-Cola HK acquired international best practices recommendations including a structured approach and practical methodology for project implementation. The supply chain standards successfully offered the company insights and suggestions on the best practices to build a project portfolio for improvement.



Benefits

With the help of GS1 HK, the extended usage of RFID in the supply chain helped Swire Coca-Cola HK achieve the following benefits:

- 1 • Increased operation efficiency by improving distribution efficiency, speed and minimising waiting time
- 2 • Further improved truck and loading utilisation
- 3 • Enhanced trucker management and queuing experience



公司簡介

太古可口可樂香港有限公司為太古飲料有限公司旗下全資附屬公司，是本港主要的汽水生產商。公司旗下有近1,200名員工負責運作16條生產線，而每年標箱飲料的生產量皆超越6400萬。

項目背景

自2012年起，太古可口可樂香港開始應用「無線射頻識別」(RFID) 技術於貨車及停車場系統，以提升運輸配送的效率及改善現存的貨物運輸和裝卸設施。香港貨品編碼協會獲委託為項目顧問及經理，肩起重任，負責管理和審查項目的實行情況，並與供應商磋商和協調。

完成2012年度的項目後，公司每個工作天平均上貨的貨車數目及上落客貨區的使用率增加了8-10%，貨物平均裝卸時間及排隊輪候時間則減少了13-14%，成績有目共睹。太古可口可樂香港於2016年希望乘勢而上，延伸RFID的應用至其他範圍，增強服務以加快貨車交通流量。

解決方案

香港貨品編碼協會獲委託為項目經理，為輪候區域配置RFID車流管理系統及RFID排隊輪候系統，充分運用該技術。香港貨品編碼協會負責管理全盤計劃，擔當監督要職，包括：

- 管理和審查項目的實行情況，與供應商協調
- 於所有運輸流程上，執行所有必需的質素保證程序
- 參與諮詢及評估所有會上提出的建議及解決方案
- 協助申領政府提供的培訓資助

太古可口可樂香港從而獲得了國際性的最佳實務建議，包括結構清晰的方針及執行項目的實際方法。基於最佳方案建議，供應鏈標準及成功提供獨特見解，為公司建立優化業務的項目組合。

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通過採用GS1的無線射頻識別標準和配套服務，我們的TCS系統取得了正面成果，尤其是每個工作日的裝載卡車數量有所增加，而平均裝載時間和輪候時間亦得以縮減。此外，我們亦可收集實時數據，以便管理層能夠適時作出決策。

太古可口可樂香港

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效益

透過GS1 HK的協助，太古可口可樂香港得以廣泛應用RFID技術，並為企業帶來以下效益：

1. 增加配送效率和速度，並減少輪候時間，提升營運效率
2. 進一步提高貨車及上落貨區的使用率
3. 完善貨車管理及改善排隊輪候情況