



Logistics Technology

物流 科技

About BPS Global

有關威裕

Founded in 1992, BPS Global Group is a leading provider of construction and logistics infrastructure. Headquartered in Hong Kong with expanding footprints throughout Asia, BPS Global has fortified offices in Shanghai, Guangzhou, Shenzhen and Singapore. The Group operates diverse portfolio spanning across multiple industries, including Engineering Construction, Logistics Technology, and Investment & Real Estate.

Strongly positioned as a logistics technology solutions provider, BPS Global has proven its capabilities in offering solution design and consultancy, logistics automation and operations improvement services. Acting as a beacon to guide our clients in selecting the best paths for their business and operation via the most appropriate combination of process, equipment, customized software and automated solutions and operating systems, BPS Global aims to

創立於一九九二年，威裕環球是一家領先的建築工程及物流基礎設施提供商，總部設於香港。集團業務擴張的足跡遍布亞洲，在上海、廣州、深圳、新加坡均設有辦事處。主要業務範圍涵蓋建築工程、物流科技、物流地產及投資。

以物流科技解決方案提供商為市場定位，威裕環球為客戶提供的服務包括方案設計及顧問、物流自動化及營運效率和質素改善服務等。透過在工序、設備、客製化軟件、自動化的解決方案和操作系统之間的有效結合，我們指引客戶們選擇最適合企業的發展路向與營運模式，從而有助提升投資回報率、銷售利率、產品質素和競爭力。

Why Us 為何選擇威裕

BPS Global's smart automated warehouse solution features a series of advanced automation set up, including Goods-to-person fulfillment technology and warehouse storage systems with mobile robots, carousel storage systems, drop-to-light panel and conveying systems. We are constantly working in close partnership with leading equipment manufacturers in the industry in order to provide the best equipment mix to meet clients' needs. In addition, we have also developed the "modular" solution approach which is more economical, more scalable, and capable of continuous evolution to meet changing demands.

威裕的自動化倉儲解決方案著重於為客戶定制提供一系列先進創新的自動化設備，包括貨到人揀貨技術和倉儲系統，如移動機器人、轉盤儲藏系統、電子標籤揀貨系統和輸送系統。我們與行內各大領先的設備製造商保持良好的合作夥伴關係，因此，我們能找出最符合客戶實際需求的設備配套組合。此外，我們開發了“模組化”解決方案，不但實惠、靈活度高，還能持續優化以應付不斷上升的需求。

Accreditations & Licenses 專業資格認證

BPS Global is accredited with the ISO 9001:2015 quality management system standard, the ISO 14001:2015 environmental management system standard and the OHSAS 18001:2007 management system standard.

威裕環球通過了ISO 9001:2015質量管理體系標準，ISO 14001:2015環境管理體系標準和OHSAS 18001:2007管理體系標準的認證。



Our Sectors 行業應用



Our Approach

我們的方針

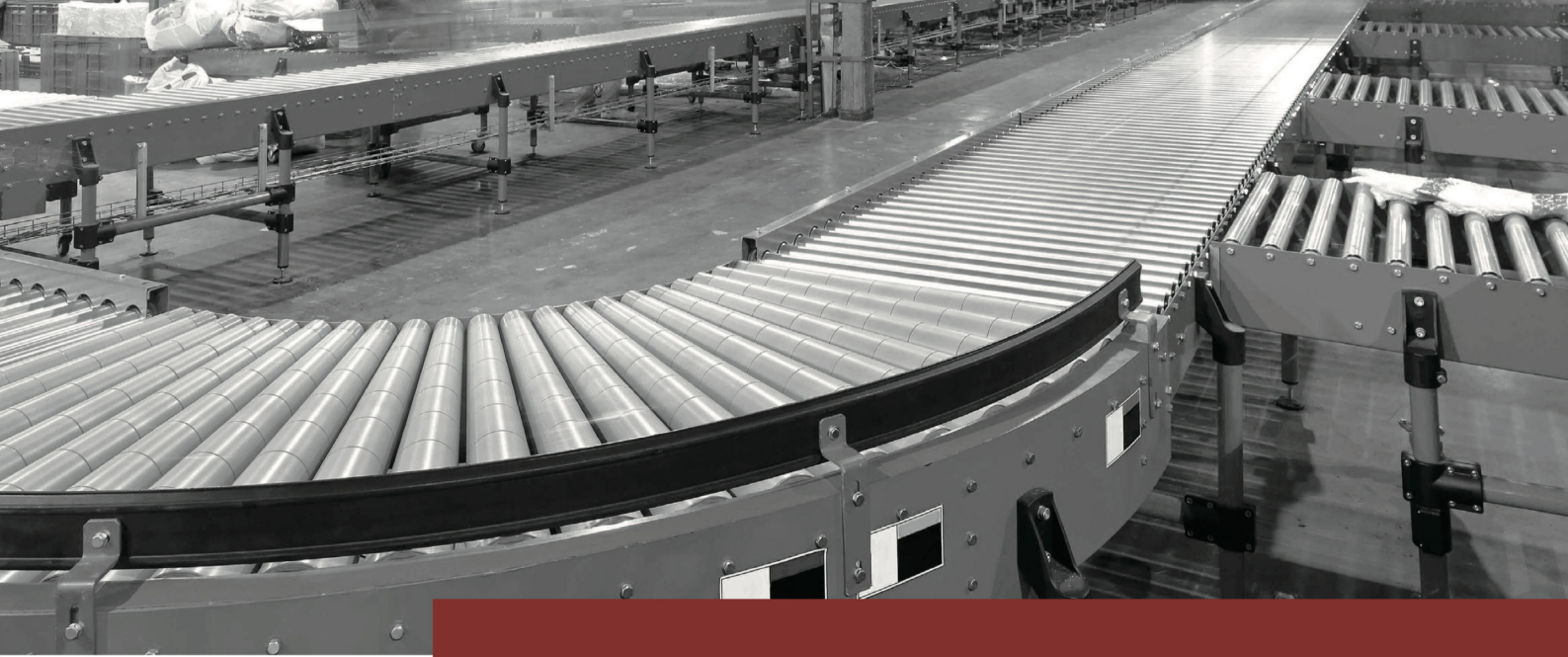
Acting as a value-adding system integrator, we invest our attention and time in fully understanding our client's business environment and implement "Best Practices Solutions" to meet clients' unique needs. We provide affordable automation for clients, which is the most practical and intelligent automated logistics center solution. The storage equipment is suitable to be placed in traditional industrial buildings and also small and medium-sized enterprises.

We provide integrated solutions that reduce cost and boost efficiency. We work with our clients to help strategize, identify problem, implement solutions and achieve their

作為一間致力為客戶提供客制化系統增值服務的公司，我們盡心盡力全面了解和分析客戶業務環境和個性化需求，從而實施“最佳實施方案”(Best Practices Solutions)。我們提供的是經濟適用自動化解決方案 (Affordable Automation)，並且是最實用的智慧自動物流中心方案，無論是倉儲設備置於舊式工廈，還是小本投資的中小企業亦適用。

我們提供減省成本和提高效能的綜合解決方案，我們與客戶合作，並協助制定策略、發現問題、提供解決措施，以達到客戶的企業目標。





Solutions by Function

功能性解決方案

BPS Global looks at the big picture and helps clients to optimize every process in their facilities. We understand that even one small lag in the process can affect the entire process. No matter where the issue arises, our experienced team of engineers can fix the problem. We apply leading proven technology to reduce error and achieve quick ROI.

威裕環球向來注重整體規劃的完整性，協助客戶優化各個設施的每一個工序。我們知道，只要其中任何設施運作滯後，也會拖慢整個流程進度。無論哪一部分出現問題，我們經驗豐富的工程師團隊都能協助客戶分析和解決。我們應用先進科技以減少操作流程錯誤和更快達到投資回報。

Storage 存儲

AS/RS 自動化立體倉庫

Automated Storage and Retrieval Systems (AS/RS) offer a high-density storage solution while reducing the potential for human error. Taking less space to store more products, AS/RS mini load systems are appropriate for moving high volumes of inventory in and out of distribution manufacturing centers.

自動化立體倉庫(AS/RS)提供了高密度的倉儲解決方案同時也減少了人為錯誤的機率。料盒式自動化立體倉庫能使用更少的空間儲藏更多的貨品，適合在將大量庫存搬進倉庫或搬離配送或生產中心時使用。

Mobile Racking 移動式貨架

By converting racking aisles into useable space for logistics and other purposes, mobile racking systems can create up to 100% increase in available pallet locations, offering a cost effective storage solution. Our consulting team adopt modular design concept, which allows the system to be designed specifically according to clients' preferences and requirements. As mobile racking system allows aisles to be open simultaneously, enabling multiple forklifts to put-away and retrieve stock concurrently, high productivity levels can thus be

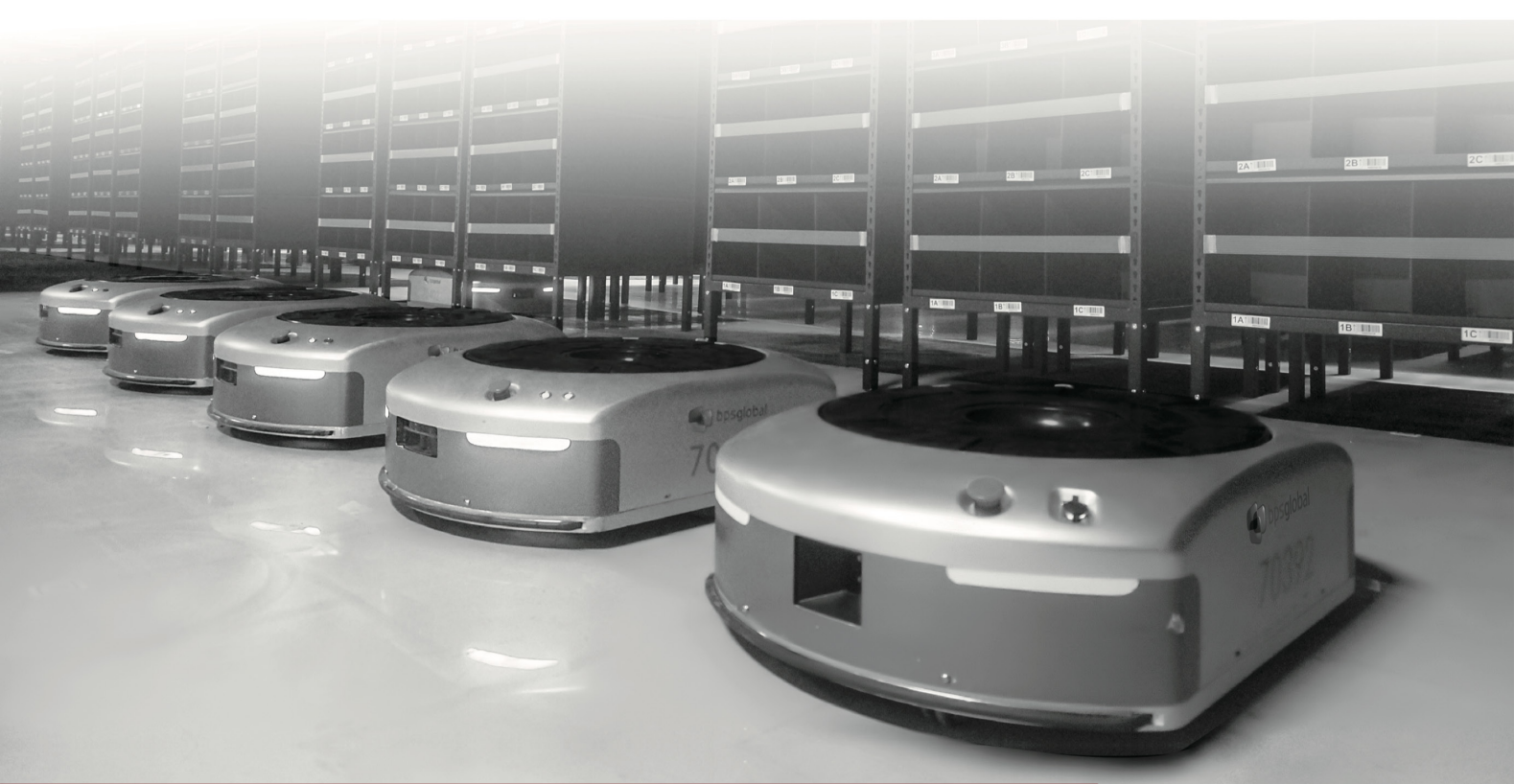
通過將貨架通道轉換為其他用途的可用空間，移動貨架系統可以使托盤位置增加100%，從而提供高經濟效益的存儲解決方案。我們的諮詢團隊採用模塊化設計理念，可以根據客戶的偏好和要求特別設計系統。由於移動式貨架系統允許通道同時打開，因此可以同時使多台叉車收起和取出貨物，確保高生產率。

Carousel System 輪盤存儲系統

Carousel storage systems considerably reduce the time and complexity of storage processes. Furthermore, storage carousels can be installed within a small footprint because they fully utilize the vertical space available for storage. This translates into maximum capacity within a minimum of space. We offer storage carousels in a number of different versions, including customized systems, to ensure efficient warehouse and storage management. Maximum space utilization, security, safety and efficiency are among the benefits delivered by modern storage systems which precisely address

輪盤存儲系統大大減少了存儲過程的時間和複雜性。此外，輪盤存儲可以安裝在較小的佔地面積內，充分利用了存儲的垂直空間，在最小的空間內達到最大容量。我們提供多種不同版本的輪盤存儲，包括定制系統，以確保高效的倉庫和存儲管理、最大的空間利用率、安全性和效率，為現代存儲系統提供優勢，精確滿足客戶特定的業務需求。





Picking 揀貨

Goods-to-Person is the modern method of order fulfillment. Products are delivered directly to the operator, which increase efficiency and accuracy of the picking process. Even under constant shortage of floor space, picking doesn't have to be a complex process. With the agile mobility of Autonomous Guided Vehicles (AGV), automated picking is the obvious and simple solution.

貨到人技術是一個現代訂單履行模式。產品直接送到在分揀貨物、履行訂單的工作人員手中，提高分揀貨物作業效率和準確性。即使空間不足，揀貨也不再是複雜的程序。透過應用擁有敏捷機動性的自動導向車(AGV)在高流量效能的倉庫上，自動化的揀貨是一個簡易的解決方案。

Autonomous Guided Vehicles 自動導向車

Increasing popularity of Autonomous Guided Vehicle (AGVs) is based on the adaptability of the technology by removing any hassle of adjusting physical barriers. BPS Global is the authorised dealer of AGV. They are a perfect way to automate facilities in most industries, especially for repetitive and/or dangerous tasks and are safer to use than traditional forklifts.

The operating principle based on following three criteria,

- **Goods-to-Person:**
Operators stay in the fixed picking station, robots carry the target shelf to the station automatically.
- **Picking Robots:**
Goods are stored in the movable shelves, and robots identify and transport the assigned shelves.
- **Backstage Control System:**
Dynamic optimization of storage location, robot scheduling, and order processing, make the warehouse a self-adaptive system.

These autonomous systems include picking system, moving system and sorting system. AGV provides clients with benefits of high return on investment, better space utilization with multi-directional

日漸流行的自動導向車應用了相關科技，省卻了因倉庫內佈滿貨架、貨物出入不便所帶來的麻煩。威裕環球是自動導向車的特約經銷商，在多個行業的日常應用中，尤其是包含重覆或危險工作的行業，應用自動導向車也是一個最適合將設施自動化的方式，它的操作也比傳統鏟車更為安全。

運作原理建基於以下三個準則：

- **貨到人：**
操作人員留在固定的揀貨站，機器人將目標貨架送至揀貨站。
- **揀貨機械人：**
貨物儲藏於可移動的貨架中，機器人臂能辨識並運送指定貨架。
- **後台控制系統：**
儲藏位置的動態優化、機械排程加上訂單的分類處理，令倉庫成為能自我調適的系統。

這些自動化的系統包括揀貨系統，搬運系統和分揀系統。自動導向車不但為顧客帶來高投資回報的利潤，它能多方向移動、靈活的操控導航也為客戶的倉儲帶來更好的空間利用。

Sorting 分類

Product sortation is one of the main constraints in the process of getting goods to the market. The vast number of types of automated sortation systems in the market, such as Cross Belt Sorter and Sliding Shoe Sorter, can be widely ranged from complexity to design. With a focus on the study of goods' size, weight and delivering speed, our experts can tailor-made a solution for your facility based on the results. Our project execution team is capable of installing conveyor sortation system that are fast, efficient, accurate, and complete with the visibility of Warehouse Management System (WMS), addressing clients' concern over stocks' quality control and supply stability.

產品分類是將貨品推出市場的過程中面對的主要限制。市面上的自動化分類系統種類眾多，如皮帶台車分類機和滑履分類機，在複雜性和設計上差異甚大。我們的專家能根據客戶貨品的大小、重量及輸送速度作深入分析，為客戶設計最合適的解決方案。我們的團隊能為客戶安裝快速、高效、準確的分類輸送系統，並連接倉儲管理系統(WMS)，有助客戶保持貨品品質和穩定供應。

Others 其他

CubiScan Automatic Dimensioning System

CubiScan 自動化測量系統

BPS Global is the authorized dealer of CubiScans, the cubing and weighing systems for Hong Kong and China. This system will help you operate more efficiently as they become an essential part of your cubing effort in logistics planning, storage space allocation, material sorting, manifesting, and general material handling and

威裕環球是CubiScan重量與體積測量系統的中國及香港授權經銷商。該系統將幫助你更高效地運作，為物流計劃、倉儲空間分配、物料分揀、貨運清單以及一般物料處理和倉儲流程中組成重要部分。

Robotic Arms

機械臂取物系統

Picking is not only one of the most cost-and labor-intensive processes in a warehouse, it also has the highest error rates. With Robotic Picking technology and our long-standing expertise, we help our clients to facilitate picking and increase order accuracy based on their item and order structure.

The key elements of our order picking systems are robotic arms which can manage a range of operations including buffer storage of goods arriving from production or goods-in, sorting and sequencing of products requiring processing, order picking, delivery scheduling, load planning and order release.

揀貨作業不僅是整個倉儲過程成本最高、勞動力最密集的步驟，它過程中出錯的機率也是最高。透過機械臂取物技術加上我們多年來豐富的經驗和專業知識，我們能根據客戶業務的訂單結構和產品，協助倉儲揀貨運作和提高訂單處理的準確度。

我們揀貨作業系統的關鍵是機械臂，它能作出一系列不同操作，包括將剛生產或入庫的貨品作緩衝儲藏、將需要處理的貨件分類和排序、揀貨、派送排序、裝貨規劃和訂單發放。

Arena Simulation Software

Arena 商務流程模擬軟件

Arena Simulation Software is a product of third party company Rockwell Automation, Inc. We are an authorized distributor for Arena Simulation Software in Hong Kong Special Administrative Region, Macao Special Administrative Region and China. Arena is a powerful discrete event simulation software which enables our clients or consultants to simplify, streamline and standardize business process for best practice and evaluate potential alternatives to determine the best approach to optimize performance. In addition, we can offer software training to clients who would like to maximize the benefits of using Arena.

With the Arena simulation software, complex process flows in companies and organizations can be illustrated and visualized in a clear and effective way. The primary goal is to analyze planning alternatives in a risk-free and cost-effectively simulation environment, and secondly also to realize online decision support for running different simulated processes. As a decision maker, you will be able to increase your performance returns, effectively plan your resources, and present

Arena 商務流程模擬軟件是第三方公司 Rockwell Automation, Inc. 的產品。我們是 Arena 模擬軟件在香港特別行政區、澳門特別行政區及中國的授權經銷商。Arena 是一套擁有強大功能的離散事件仿真模擬軟件，我們的客戶或顧問可通過使用 Arena 簡化業務流程，以達致最佳的實踐方案，並評估潛在的替代方案，以確定優化項目的最佳方法。另外，我們還可以為客戶提供軟件培訓，幫助客戶達致最佳的使用效果。

Arena 模擬軟件能夠將公司複雜的流程和組織有效地清晰呈現。首要目標是在無風險且具有成本效益的模擬情況下分析替代方案，其次透過不同的模擬場景實現在線決策優化。令決策者能夠提升業績，有效地規劃資源，及時地呈現不同環境設定下的影響。



Our Services 服務範疇

Logistics Technology is at the heart of today's extended global supply chain. BPS Global helps our clients' businesses embracing Industry 4.0 with automated warehouse and logistics system to attain increased efficiency, reliability and responsiveness. We offer tailor-made solution for our clients with staged investment, flexibility and scalability for future expansion. Our all-round turnkey solution starting from professional business solution design and consultancy service, logistics automation consulting to first-class project execution and maintenance services.

物流科技是當今全球供應鏈的核心。威裕環球幫助客戶採用自動化倉庫和先進的物流系統來實現工業4.0，從而提高企業整體的效率，可靠性和應變能力。我們為客戶提供度身定制的解決方案，提供階段性的投資建議，協助企業將自動化設備靈活延伸到未來的商業模式中。我們的全方位一站式解決方案，包括專業的方案設計及顧問服務、物流自動化諮詢、項目執行和維修保養。

Logistics Technology 物流科技



Logistics Automation
物流自動化



High Density Storage Solutions
高密度儲存方案



Picking Optimisation
分揀系統優化



Automation Technology
自動化科技



Solution Design & Consultancy
方案設計及顧問



Supply Chain Optimisation
供應鏈優化



Warehouse Planning & Design
倉儲解決方案設計



Logistics Park Master Planning
物流園總體規劃



Project Execution & Maintenance
項目執行及維修



Project Management
項目管理



Maintenance
維修保養

Hong Kong ICT Awards 2018 & 2019



Gold Award
金獎

HONG KONG
ICT AWARDS
2019 香港資訊及
通訊科技獎

Awarded Smart Mobility (Smart Logistics) Gold Award in The Hong Kong ICT Awards 2019

榮獲2019香港資訊及通訊科技獎
「智慧出行（智慧物流）金獎」



Grand Award
大獎

HONG KONG
ICT AWARDS
2018 香港資訊及
通訊科技獎

Awarded Smart Mobility Grand Award and Smart Mobility (Smart Logistics) Gold Award in The Hong Kong ICT Awards 2018

榮獲2018香港資訊及通訊科技獎「智慧出行大獎」及「智慧出行（智慧物流）金獎」



Gold Award
金獎

HONG KONG
ICT AWARDS
2018 香港資訊及
通訊科技獎



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