AiSoft
Logistics Solution

AiSoft Logistics – Your Intelligent-based Solution
智 軟 物 流 – 您 的 智 能 軟 件 方 案

Managing Your Logistics Operation Intelligently,
Maximizing Profitability and Customer Satisfaction

智能化物流管理，提升您的業績及服務水平

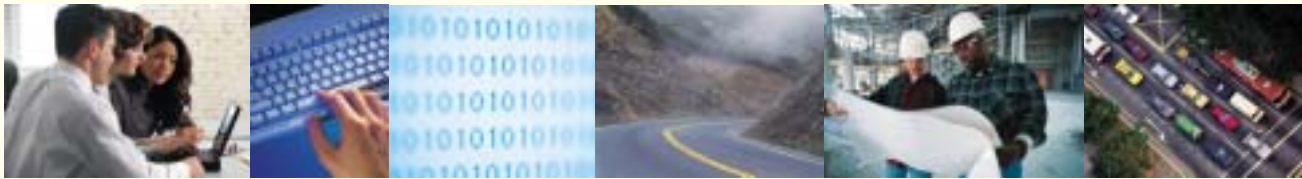# AiSoft Logistics – Your Intelligent-based Solution
智軟物流 – 您的智能軟件方案

Logistics is generally defined as Transportation plus Warehousing. For effectively and efficiently managing inventory flows and goods deliveries, Information Technology is becoming a crucial and important factor of success.

AiSoft Logistics is delighted to introduce our suite of intelligent-based logistics application systems that assist users to perform distribution planning & execution, as well as warehouse management.

物流的普遍定義爲運輸及倉儲管理。近年資訊科技已經被廣泛應用於物流運作上，去改善效率和成效，因而成爲了物流運作的一個成功要素。

智軟物流一向致力於提供智能化物流軟件系統，以協助客戶有效地進行貨物運輸的策劃及執行，以及存貨管理。

Transportation Scheduling System
An Intelligent Job Scheduler & Resource Optimizer

Transportation Scheduling System is a distribution job planning and scheduling application, which is integrated with intelligent-based optimizer and scheduler engines to perform resource management and optimization for daily distribution or service fulfillment of a company. The system also helps to manage and monitor the process flows and performance of the order fulfillment operations.

Resource Utilization Optimization
The optimizer fully considers the type of resource with the time and place of availability, and the job requirements. It matches delivery or service orders with suitable and available resources.

Route Scheduling
The scheduler calculates the optimal job sequence and produces job schedules for fulfillment.

Real-Time Job Dispatch & Order Tracking
Headquarter can send information of new orders to the handheld devices of field workers through SMS/GPRS network; meanwhile, field workers can report their progress to back office so that the back office can view the latest job status.

Asset Management
User can manage the information and availability of resources e.g. vehicle capacity, staff attendance and records of operation expenses for generating management reports.

Major Functions
- Goods Distribution
- Order Delivery
- Shop Replenishment
- On-site Service
- Sales Visit
- Schedule Booking

User Benefits
- Better Resource Allocation & Utilization
- Fast Response to Customer Request
- Better Management Control
- Reduced Labour Cost

運輸策劃、送貨系統
智能工作排程及資源優化

運輸排程系統是專門爲策劃送貨工作排程而設的，採用了具尖端智能的自動排程及優化引擎，旨在讓用戶在每天執行繁重的運送或服務工作時，可以優化資源運用，達致更有效的資源管理。另外，本系統亦可以協助用戶管理及監察工作流程及表現。

優化資源運用
優化引擎會作全面的分析，包括資源的種類、可運用的時間地點、工作要求等各方面的考慮，再將適合的資源分配給各工作單。

路線排程
排程引擎會計算出優化的工作次序，並提供日程表，讓工作人員可依照執行。

實時工作特派及訂單追蹤
總部可以隨時透過 SMS/GPRS 網絡，把新工作及有關資料，傳送到外勤人員的掌上電腦上，同時，工作人員亦可將工作進度匯報總部，以作參考。

資產管理
用戶可以記錄及管理資產的資料，例如：車輛載貨量、員工出勤情況、營運開支等，以製作報告，供管理層參閱。

主要效能
- 貨物分派
- 訂單送貨
- 分店補給
- 上門服務
- 推銷拜訪
- 送貨／服務時間預約

用戶得益
- 改善資源分配及運用
- 快速回應客戶要求
- 方便管理及監督
- 減低人力成本

Warehouse Management System

Inventory Management & Operation Efficiency

Warehouse Management System is a comprehensive solution to automate the goods handling processes in warehouses. Integrated with barcode devices or radio frequency identification (RFID) devices, the system further improves the inventory control and the warehouse operation efficiency.

Major Functions
➢ Receiving
➢ Putaway
➢ Inventory Management
➢ Stock Allocation
➢ Picking
➢ Packing
➢ Shipment Confirmation
➢ Reporting

Inventory Management
Users can always view the latest inventory information. On the other hand, the system allows users to do inventory adjustment, physical count, inventory hold and inventory move.

Stock Allocation
The system can allocate suitable stocks in the warehouse to delivery orders for better stock utilization.

Reporting
The system can generate various management reports to keep track of daily warehouse activities, for example, Goods Receiving Report to summarize the inbound transactions.

User Benefits
✓ Increase warehouse operation efficiency
✓ Enhance inventory control
✓ Streamline the whole business process when integrated with other systems e.g. ERP or Order Management Systems

倉庫管理系統

改善存貨管理及倉庫運作效率

倉庫管理系統是全面的解決方案,著重將倉庫處理貨物的各項程序自動化,本系統更可配合電子條形碼或無線射頻識別技術,進一步改善存貨監控及倉庫運作效率。

主要效能
➢ 收貨
➢ 上架
➢ 存貨管理
➢ 貨物分配
➢ 執貨
➢ 裝箱
➢ 載貨確認
➢ 報告

存貨管理
用戶可以隨時輕易取得最新的存貨資料,亦可以因應需要去調整存貨數量,或盤點、預留及移動存貨。

貨物分配
本系統可以自動分配最合適的存貨給提貨單,以善用存貨。

報告
本系統根據倉庫的日常工作記錄,製作各類型的報告,供管理層查閱,以「收貨報告」為例,就總結了入庫活動。

用戶得益
✓ 提高倉庫運作效率
✓ 加強存貨監控
✓ 配合其他如企業資源規劃或訂單處理系統,可以精簡整體業務流程

Delivery 送貨

Reports 報表

PO & ASN 購貨單及收貨通知單

Loading 裝車

Warehouse Management Solutions 倉庫管理系統

Receiving 收貨

Fleet Management & Delivery Order System 運輸管理及送貨系統

Picking & Packing 執貨及裝貨

Putaway 上架

Stock Allocation 貨物分配

Inventory Management 存貨管理

- Inventory Adjustment 存貨調整
- Inventory Balance 存貨結餘
- Cycle Count 盤點
- Inventory Hold 存貨預留
- Inventory Move 存貨移動
- Space Forecast 空間需求預算

Mobile Computing Solutions

Anytime, Anywhere

Mobile computing solutions facilitate mobile workforce to retrieve and report information from and to head offices at real-time basis, providing the most up-to-date information to both field workers and headquarters.

Location Tracking

The real-time locations of outdoor staff can be acquired through GPS/GSM network, and then visualized on digital maps in back office.
With the workers' locations, the back office operators can assign ad-hoc jobs to the nearest workers. Recording the staff's locations at regular time intervals, the headquarter officers can also view the daily travelling paths of their staff.

Real-Time Job Dispatch & Report

After workers have left office to work, control centres can assign new jobs to them by sending the jobs' related information to their handheld devices through SMS/GPRS network. Similarly, field workers can report their work progress to back office with the handheld devices.

Major Functions
- Ad-hoc Job Assignment
- Order Tracking
- Information/Document Support to Field Workers

Warehouse Operation

Warehouse staff can use handheld devices to assist them to perform their daily operations, including receiving, putaway, inventory movement, physical count, picking, packing, shipment, etc. Through a RF network within a warehouse, they can retrieve order or inventory details from the Warehouse Management System to their handheld devices; meanwhile, they can update the system with their transaction data on the handheld devices. The handheld devices can be equipped with barcode scanning units to facilitate quick and accurate data capture during operations.

流動計算解決方案

隨時隨地，運籌帷幄

利用流動計算解決方案，外出或者四處走動工作的員工，就能夠實時遙距取得總公司中央系統的資訊，同時亦可以實時匯報工作情況，確保員工和總部都得到最新資訊。

定位追蹤

透過 GPS/GSM 網絡，後勤辦公室能夠實時取得外勤員工的地理位置，並將其位置顯示在電子地圖上。
得知外勤員工的位置，後勤人員就可以輕易把突發性工作指派給附近的員工負責，此外，只要定時把員工的位置儲存起來，就可以清楚看到外勤人員整天的行走路線。
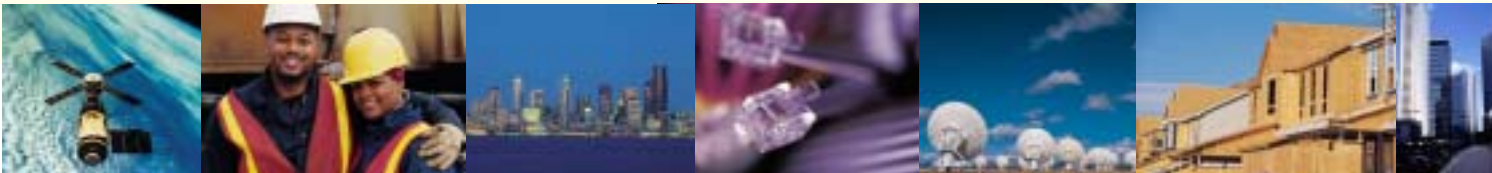
實時工作特派及匯報

即使職員已經出外工作，控制中心仍然能夠透過 SMS/GPRS 網絡，將新工作及其資料傳送到他們的掌上電腦上，同樣，外勤員工都可以利用掌上電腦向後勤辦公室匯報工作進度。

主要效能
- 分派突發性工作
- 追蹤訂單
- 向外勤人員提供資訊／文件

倉庫運作

倉庫職員可以利用掌上電腦，去輔助他們完成日常工作，包括：收貨、上架、移動存貨、盤點、執貨、裝箱、載貨，等等。通過倉庫內的無線電發射網絡，員工能夠從倉庫管理系統，收取訂單或存貨詳情到他們的掌上電腦上，他們也能夠利用掌上電腦，把工作記錄傳送給倉庫管理系統，以作更新。加裝電子條形碼掃瞄設備到掌上電腦上，能夠讓倉庫職員記錄工作數據時，更快捷、更準確。

EasyAddress

Powerful Address Management

EasyAddress is a powerful application tool that assists corporations in tackling their address problems.

Powerful Quick Search

EasyAddress enables users to quickly attain a full correct address with partial information or even wrongly spelt addresses.

Standardization and Cleansing

EasyAddress can verify the correctness of addresses, and standardize free-format addresses into a structural format.

Geo-coding

EasyAddress identifies the XY coordinates of textual addresses.

Language Translation

EasyAddress translates English addresses into Chinese, or vise versa.

User Benefits
- ✓ Improve operation efficiency
- ✓ Raise service level
- ✓ Enhance address database for data mining purpose
- ✓ Provide XY coordinates for GIS applications

地址易

功能強大的地址管理

「地址易」是功能強大的地址管理應用軟件，專門解決各種有關地址的問題。

快速強大搜索功能

用戶只須輸入部份資料，甚至有拼字錯誤，都可以取得相應地址的全部準確資料。

地址數據整理

「地址易」可以核實地址數據的準確性，又可以把不規則輸入的地址統一成標準格式。
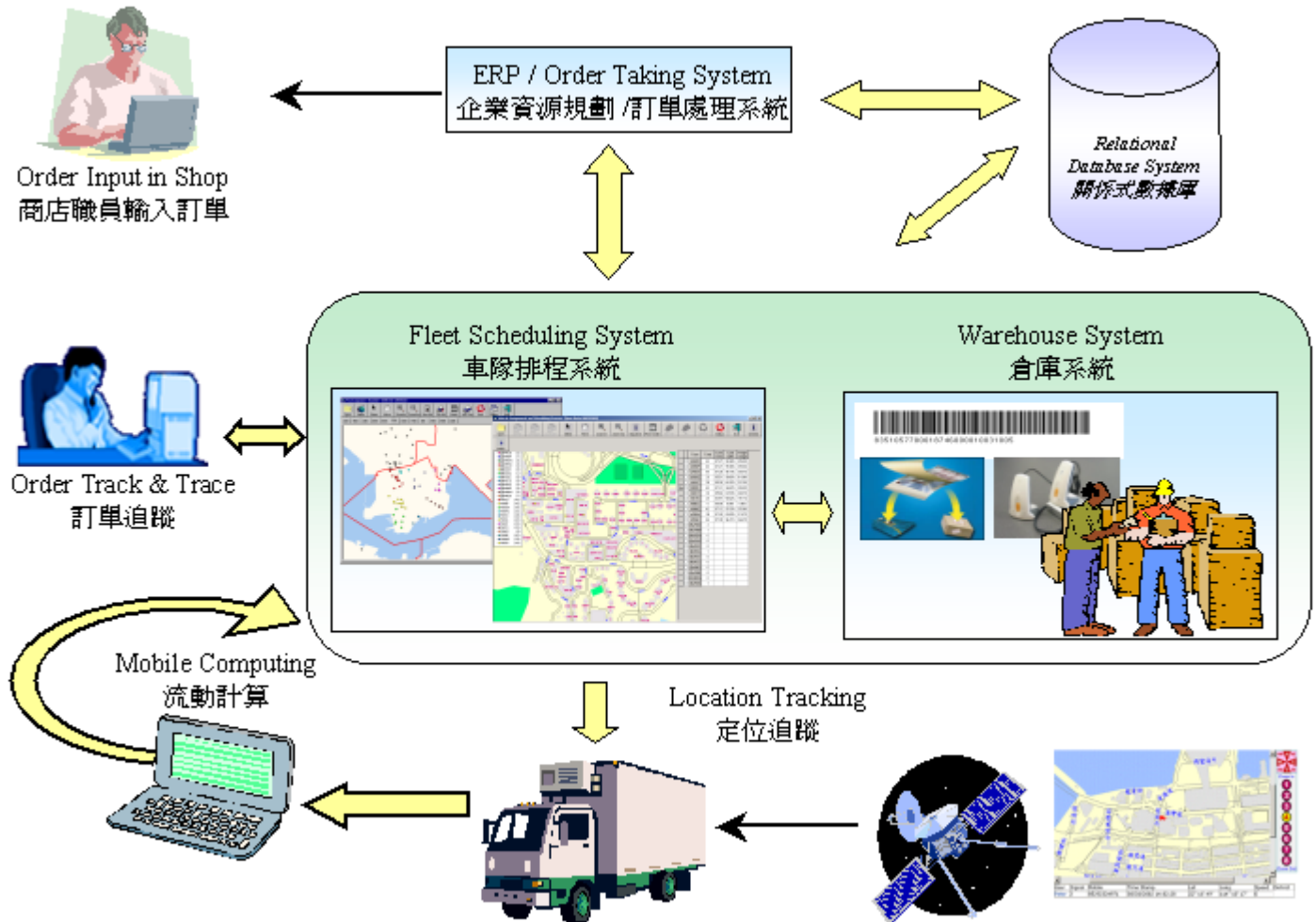
地理編碼

「地址易」能夠辨識地址字串，並提供相應的座標。

語言翻譯

「地址易」可以為地址作中英翻譯。

用戶得益
- ✓ 提升工作效率
- ✓ 提高服務質素
- ✓ 改善地址數據庫的質素，方便分析
- ✓ 為地理訊息系統提供座標資料

AiSoft Logistics Solution Overview
智 軟 物 流 系 統 總 覽

ERP / Order Taking System
企業資源規劃/訂單處理系統

Relational Database System
關係式數據庫

Order Input in Shop
商店職員輸入訂單

Order Track & Trace
訂單追蹤

Fleet Scheduling System
車隊排程系統

Warehouse System
倉庫系統

Mobile Computing
流動計算

Location Tracking
定位追蹤

Key Benefits　　　　　　　　　　　　　　主要效益

✓ **Better Resource Utilization**
Maximize the productivity of your fleet and warehouse by optimizing the utilization of resources

✓ **改進資源運用**
優化資源運用，充分提升您的運輸隊伍及倉庫的生產力

✓ **Automated Business Processes**
Shorten the delivery lead-time by automatically generating work processes, routes and schedules according to changing daily demand

✓ **自動化業務進程**
因應不斷改變的日常需要，自動編排工作程序、路線和時間表，大大縮短運送的預備時間

✓ **Better Customer Service**
Order tracking by end-users

✓ **提升客戶服務**
客戶跟蹤訂單，時刻瞭解進程

✓ **Effective Operation Management**
Better logistics control and management by online reporting and forecasts

✓ **更有效的營運管理**
實時匯報及預測，有助更完善地監控及管理物流過程

About AiSoft Logistics Solution Limited

AiSoft Logistics Solution is a total logistics solution provider, focusing in the supply and development of intelligent-based transportation management and warehouse management systems. By deploying advanced and intelligent software engines in logistics applications that carry out tasks with automation and optimization effects, end-users can be benefited by better logistics operation efficiently at lower costs.

With over 10-year experience in IT industry, AiSoft Logistics Solution Limited has successfully implemented and launched many mission-critical systems for many major corporations and public organizations.

關 於 智 軟 物 流 系 統 有 限 公 司

智軟物流系統專注於開發智能化運輸策劃/配送系統，及倉庫管理系統，爲企業提供全面的物流運作系統。在物流運作系統中，智軟物流採用優化引擎應用軟件，令物流運作自動化及資源使用更理想，令用戶在更低成本的情況下，有效地完成物流工作。

智軟物流系統從事資訊科技界已經超過十年，曾經爲多間大型企業及公共機構，成功實施關鍵的業務管理系統。