



Mobile Computing Solutions

AiSoft provides a range of mobile computing software solutions for various business purposes

Fulfillment by Field Delivery Staff

Using mobile computing and messaging, the delivery crew can retrieve real-time job lists and schedules stored in the company's centralized database at the back office. In addition to the pre-scheduled jobs and orders, call center representatives can assign ad-hoc orders or just-in-time jobs to the right and ideal delivery staff/vehicles that are close to the requested service locations.

AiSoft has also developed a unique optimization engine that can maximize the utilization of the capacity of assigned trucks or manpower. All constraints are validated in order to ensure that the assignments of people/vehicles are practical and achievable.

The PDA carried by field staff can be equipped with barcode scanning or remote printing options. The durable PDA will be the handheld computing unit that the field staff can use to confirm job completion and acceptance. Results are then transmitted to back office through GPRS or SMS messaging.

Warehouse Operation

Mobile computing is also used within warehouse and integrated with the Warehouse Management System. Inside a warehouse, there are many repetitive jobs and inventory counting for goods inbound and outbound shipping purposes. Warehouse worker will use mobile devices through a RF network within the warehouse for performing daily activities such as goods receiving, putaway, inventory movement and cycle count, pick & pack, shipping out processes and truck loading, etc.

Mobile Service Workforce/ Salesforce

Usage can be extended to field working staff such as service engineer and salespeople.

Job management and dispatching functions for logistics service people can also be applied to service engineers who also need to perform service jobs daily. With the use of mobile computing and location tracking technology, back office is able to perform resource allocation based on daily workload.

Field workers can use the mobile computing units to retrieve not only job information, but also sales histories, customer information, inventory availability, etc. Salespeople can also input sales orders, allocate inventory, make changes to customer visit schedule as well as other data capturing purposes in the field.



Location Tracking

Mobile devices can be used with our Location Tracking Mapping Technology. While the field workers are using PDA in the field, their back office or control center is able to locate their relative position through the use of GPS/GSM network and visualize on an electronic maps through Intranet/Internet.

The location maps can be integrated with the dispatch functions for deploying jobs to the best available field workers

Admin, Audit & Workload Analysis

The activity history of the field workers can be used as administration control and work audit purposes. It can be used to analyze the work pattern for work process re-engineering and workflow design purposes.

Future Technology Trend

Mobile Computing is recognized as the trend of extending the enterprise computing technology. AiSoft will be developing more solutions to fit the growing demand of our clients.



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