



Logistics & transportation

Market overview

- Freight forwarding
- Fleet operators
- Parcel delivery
- Post services
- Courier services
- Direct store delivery
- Distributors - wholesalers
- Bus/ferry boat transportation
- Railway solutions
- Airport solutions
- Port solutions
- Taxi services
- Construction material transport
- Home grocery delivery

Typical company

A typical transportation organisation manages its own or other companies' fleets. The logistics centre must plan transportation of goods or people, keep track of loads in real-time environment, maintain their fleet, etc.

Challenge

Either to stay competitive or 'just' to increase the efficiency and profitability, the companies must operate their logistic departments in high gear. Companies have to improve dispatch efficiency, increase per-vehicle productivity, offer the option of just-in-time delivery, decrease idle times on the docks, react immediately to all changes to truck loads, roads or schedules, and eliminate erroneous deliveries.

Solution

The solution is to have all the required information distributed in a logistic management database as well as in a mobile device, while these two information systems components must have an on-line connection.

The communicator for mobile enterprise Gotive H42 fulfills completely the requirements on an ideal mobile device for the logistics and transportation industry by providing the combined functionality of the following subsystems*: GSM/GPRS (data/voice/internet), wireless LAN, bar code reader and global positioning system (GPS) in one rugged mobile device.

Stay on-line: WLAN and WWAN allow the mobile workers to stay on-line, and transmit, update and maintain information in the information system (IS). The logistic manager on the other end can oversee and coordinate his tracks and loads. Apart from that, there is still voice option left for interactive communication.

GPS - serves as a navigation, route-optimization and fleet management tool in one solution. The expected-arrival-time function allows notification of either the customer and the logistic center. Whether on-line or off-line is the choice, in either case you can have precise information about the fleet: time on road, idle time, distance, speed, fuel consumption, etc. Enhanced POD or automatic optimum route calculation are just a few other logical implications.

BCR - Gotive H42 brings the proven advantages of bar codes to the user, it eliminates human errors at pick-ups and deliveries, and substitutes the paper-based delivery documents by electronic delivery confirmations, ready to be sent to the logistic centre in real time, keeping track of and optimising truck loads throughout the fleet.

Providing all this functionality in a single mobile device makes the communications easy and does away with problems of maintaining three or four stand-alone devices in order to achieve comprehensive functionality.

For more information contact info@gotive.com or visit www.gotive.com
* for complete overview of embedded options see Gotive H42 Datasheet

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Typical Situation

The truck driver's point of view

The truck driver is beginning his work day at the logistic centre (LC). He:

- needs to identify his vehicle and collect a volume of documentation about his route, load and destinations
- does not have access to additional data about the destination nor car navigation

The truck is arriving at the destination and driver must deal with following problems. He:

- does not know the exact point of the destination for pick-up or delivery
- does not have access to additional data about the destination or car navigation
- arrives at a destination where people are not ready to receive the delivery or to load the truck

The LC on the other end does not have the following information:

- the truck's location and status (distance, speed, temperature, standing time, weight, ...)
- the exact status of the load (was the pick-up/delivery successful; was the delivery note, invoice and other paper-work completed; ...)

The truck driver must place a call or several calls to the logistics centre. This requires additional time, increases operational costs, delays delivery and causes customer's discontent.

The logistic centre's point of view

LC is receiving transportation requests and must deal with following problems. LC:

- needs to organise the load, route and destination papers for the driver
- does not typically know the trucks' location when on the route
- does not know which truck is best positioned to fulfill new orders
- cannot provide the driver with information about his next order (pick-up destination, customer, delivery destination, invoicing...)
- cannot optimise routes
- accounting department must perform additional paper-work with the settlements of each new order, and process the delivery paper-work after the return of the driver

LC must try to reach drivers via phone calls. It requires additional time, increases operational costs, delays transports and frustrates the customer.



Solution

With Gotive H42, all your trucks stay on-line with your information system

It allows organisations to extremely increase productivity through:

- on-line fleet management (car navigation and tracking, weight and temperature recording, new orders - dispatching data, on-line route and service optimisation, ...)
- automatic data-capturing (customer, article, stock, time, location, ...) for avoiding erroneous deliveries
- electronic data delivered to the IS on-line or after completion of the route (delivery note, invoicing and immediate billing, new orders, reports, settlements, inventory, ...)
- mobile archiving (on-line scanning and storing of data and signatures in graphic format in the archiving system)
- voice communication for any urgent situation
- real groupware solution (sophisticated accessories for multi-device and multi-user installations, enabling device management, secure storing and automatic check-in and check-out of the mobile devices)

Above all, Gotive H42 brings you benefits by reducing operational costs, ensures your continuous control over all your assets and employees, and allows you to make managerial decisions in real time.

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