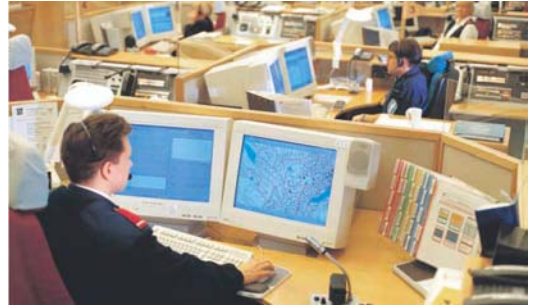


MOBILE DATA SYSTEMS

mobiliz

GENERAL SYSTEM DOCUMENT



General

Basically, Mobile Data Systems are the needed platform for the data communications infrastructure between mobile environment and company center to increase business efficiency, improve service quality and also towards safety at the ever increasing competitive environment of today.

Basically, **mobiliz** is an integrated system that satisfies the requirements of both individuals and also enterprises for the mobile access of company database, to provide bi-directional real-time information transfer, job assignment and monitoring in the mobile environment.

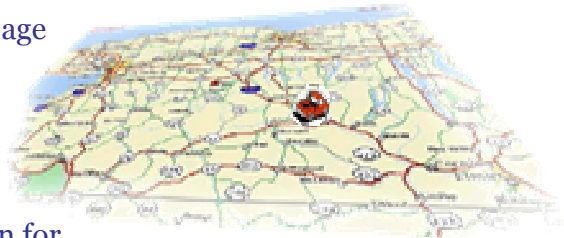
Fleet Management Problems

- ◆ Where are the vehicles now exactly? I should call to learn and I have to trust what the driver says.
- ◆ Which one is the best located vehicle now for the job that I should assign?
- ◆ The duties which are assigned from mobile phone are both expensive and also cause errors because of misunderstanding.
- ◆ Did the vehicles go to the places that they had to within the day?
- ◆ Are there any long breaks or stop overs?
- ◆ Are they driving too fast and dangerous?
- ◆ Do they use the vehicles for their private needs out of office hours?
- ◆ Are the kilometer records kept by the drivers true?



mobiliz Fleet Management System

- ◆ It provides effective management of fleet,
- ◆ Keeping the usage of all vehicles in the fleet under strict control (starting to work and finishing times and their locations, stop overs, breaks, engine idling durations, etc.),
- ◆ The fleet discipline which increases business efficiency,
- ◆ Thanks to control of vehicle speeds and other parameters which decreases fuel consumption and increases safety of driver and also prevents accidents which cause loss of labor and money,
- ◆ With built-in soft shock sensor, driver usage information (high acceleration, hard brake, etc.) is reported,
- ◆ It provides tracking of the vehicles on the digital map (in the case of stolen or normal situation),
- ◆ Emergency Call with location information for safety.
- ◆ Route planning and reporting of out of route operations,
- ◆ Two-way messaging (fixed forms, free text or short code),



- ◆ Transmission of diagnostic sensor information (fuel, temperature, door, etc.) from the vehicle to the control center and also remote controlling of them,
- ◆ The possibility of remote programming of the vehicle units from control center (according to time, distance made, either periodic or instantaneous or geographic region related),
- ◆ Driver usage monitoring (high acceleration, hard brakes, spin) with built-in soft shock sensor,
- ◆ The possibility of taking various reports including tracking of the past records within the date intervals defined by the user,
- ◆ Modifications of job plans and routes during the day can be transmitted to the most suitable officer in written form avoiding any misunderstandings,
- ◆ Also some important information (such as stocks, etc.) at company database can be accessed from the mobile unit,
- ◆ Voice communication causing error and also having high cost is used as minimum as possible.

Service Model

- ◆ With the standard package, minimum necessary configuration for the Vehicle Tracking System will be provided, the users will be able to receive location and speed information of their vehicles over the internet, they will be able to track their vehicles on digital map and they will be able to receive detailed reports belonging to past,

DEKA GRUP	Tarih	Zaman	Adres	Hız	Yol	İhtel
DEKA Teknoloji	12.01.05	13:45:01	34 Caddenin Başlangıç ANKARA	52,5 km/s	7 km	
DEKA Teknoloji	12.01.05	13:42:10	Platanın Başlangıç ANKARA	20 km/s	3 km	
DEKA Teknoloji	12.01.05	12:34:55	E-6 28 km Örnekteki ÇÖMÜR	67 km/s	20 km	
DEKA Digital	12.01.05	13:24:01	E-80 45 km Doğu MUĞLA	102 km/s	5 km	
DEKA Digital	11.01.05	22:45:00	YOKU indirim, gece dinlen...			
DEKA Digital	12.01.05	13:45:01	Atomet Yatırımcı Kullanıyor	0 km/s	0	

- ◆ Fleet manager will be informed in case of over speed, violation of region, long idling, over stop, sensor alarms and also unauthorized movement (towing) of vehicle via e-mail and/or via SMS sent to their mobile phones instantaneously.

Very Flexible and Comprehensive Reporting

Activity Reporting, per vehicle on daily basis:

- ◆ Starting to work and finishing time with locations,
- ◆ Total distance covered,
- ◆ Total working time/ stopping time,
- ◆ Engine idling time,
- ◆ Rule violations,

DT900 Mobile Data Unit



- Easy and covert installation due to exceptionally small size,
- Triple communications GPRS-SMS-CSD,
- Integrated GPS technology,
- On-line event driven reporting,
- Keeping the information belonging to vehicle,
- On the air programming,
- Possibility of various types of sensor connections and remote control of them by several independent I/O's,
- The possibility of monitoring on driver basis,
- Tow detection,
- Panic Button,
- Hands-free voice communication option,
- GeoFence, waypoints support,
- Remote gradually stopping of the vehicle engine,
- Built-in soft shock sensor,
- Reliable communication method keeping the records even outside of the coverage area,
- Exceptionally flexible and fully configurable,
- Internal Li-Ion battery option,
- Exceptionally low power consumption,
- Integrated operation with external units,
- CE and E11 certificates.

Accessories (Optional)

Product Code	Product Description	
DT910		Driver Identification Set
DT921		Hands-free Voice Set
DT922		Mini Printer
DT923		Two-way Messaging Terminal
DT924		Thermal Sensor
DT925		Door Sensor
DT926		Fuel Sensor
DT927		Back-up Battery
DT928		Immobilizer

Note: Due to continuous improvement and development there may be changes in the accessory list.