

## 1. ADDITIONAL EQUIPMENTS, COMPONENTS (for Vehicle GSM/GPRS system)



### Fuel Level Sensors (GuardMagic DLLS series, GuardMagic DLLE series)

Fuel level sensors for vehicle application.

*See: Products for "Fuel Monitoring"*

## 2.1 HARDWARE: GPS-GSM/GPRS MONITORING



### GuardMagic VB6, GuardMagic VB6lite - Basic models

Universal GPS-GPRS vehicle module (multi tank support).  
For On-Line Monitoring System (Vehicle fleet monitoring systems, AVL etc.). Universal communication protocol. Easy to installation and easy to use.

- GSM 850/900/1800/1900, GPRS;
- Two main operation mode (Standard, Packet);
- Internal memory (120 TH records) for data storing;
- Immobilization function;
- Main fuel tanks monitoring function – up to **THREE** tanks (GuardMagic DLLS1 sensor with digital communication interface EIA-485);
- Cargo fuel tanks monitoring function – up to **FOUR** cargo tanks (GuardMagic DLLS, GuardMagic DLLE with digital communication interface EIA-485);
- Available connection to GuardMagic DAFS (floating fuel level sensor adapter for cars and LCV)
- Temperature (and Humidity) monitoring function (up to SEVEN sensors);
- GPS monitoring (geographical location, speed);
- Driver ID transmitting;
- Status signal transmitting:

Crash, Panic, Event, Engine Overheat, Fuel Tank Empty (FTA), Attempt to Theft, Ignition, Car Alarm, GPS Alarm, Power Alarm.



### GuardMagic VB7, GuardMagic VB7lite - Basic models

Advanced GPS-GPRS vehicle module (multi tank support).  
For On-Line Monitoring System (Vehicle fleet monitoring systems, AVL etc.). Universal communication protocol. Easy to installation and easy to use.

- GSM 850/900/1800/1900, GPRS;
- Two main operation mode (Standard, Packet);
- Internal memory (120 TH records) for data storing;
- Immobilization function;
- Main fuel tanks monitoring function – up to **THREE** tanks (GuardMagic DLLS1 sensor with digital communication interface EIA-485);
- Cargo fuel tanks monitoring function – up to **FOUR** cargo tanks (GuardMagic DLLS, GuardMagic DLLE with digital communication interface EIA-485);
- Available connection to GuardMagic DAFS (floating fuel level sensor adapter for cars and LCV)
- Temperature (and Humidity) monitoring function (up to SEVEN sensors);
- GPS monitoring (geographical location, speed);
- Driver ID transmitting;
- Status signal transmitting:

Crash, Panic, Event, Engine Overheat, Fuel Tank Empty (FTA), Attempt to Theft, Ignition, Car Alarm, GPS Alarm, Power Alarm.



## 2.2 HARDWARE: GPS-GSM/GPRS MONITORING



### GuardMagic VF1

Simpliest vehicle GPS-GPRS module.  
For On-Line Monitoring System (Vehicle fleet monitoring systems, AVL etc.). Universal communication protocol. Easy to installation and easy to use.

- GSM 850/900/1800/1900, GPRS ;
- Internal memory (120 TH records) for data storing;

GPS monitoring (geographical location, speed): Status signal transmitting: Panic, Ignition, GPS Alarm



### GuardMagic VF2

Simple GPS-GPRS vehicle module with fuel monitoring functionality (multi tank support).  
For On-Line Monitoring System (Vehicle fleet monitoring systems, AVL etc.). Universal communication protocol. Easy to installation and easy to use.

- GSM 850/900/1800/1900, GPRS ;
- Internal memory (120 TH records) for data storing;
- Main fuel tanks monitoring function – up to **THREE** tanks (GuardMagic DLLS1 sensor with digital communication interface EIA-485 or with the same communication protocol);
- Available connection to GuardMagic DAFS or DAFS2 (floating fuel level sensor adapter for cars and LCV)
- GPS monitoring (geographical location, speed);
- Status signal transmitting:  
Panic, Ignition, GPS Alarm, "Fuel Bus" Alarm.

## 3.1 HARDWARE: ROAD FUEL TANKER MONITORING (GPS-GSM/GPRS)



### GuardMagic VB8

Special GPS-GPRS vehicle module for fuel transportation companies (Road tanker monitoring). Multi tank support

For On-Line Monitoring System (Vehicle fleet monitoring systems, AVL, fuel trailer monitoring etc.). Universal communication protocol. Easy to installation and easy to use.

- GSM 850/900/1800/1900, GPRS;
- Two main operation mode (Standard, Packet);
- Internal memory (120 TH records) for data storing;
- Immobilization function;
- Main fuel tanks monitoring function – up to **THREE** tanks (GuardMagic DLLS1 sensor with digital communication interface EIA-485);
- Cargo fuel tanks monitoring function – up to **ELEVEN** cargo tanks, cargo compartments (GuardMagic DLLS, GuardMagic DLLLE sensor with digital communication interface EIA-485);
- Two independent EIA-485 communication bus for fuel sensors (one for vehicle regular tanks , other for cargo tanks);
- Temperature monitoring function (up to SEVEN sensors);
- GPS monitoring (geographical location, speed);
- Driver ID transmitting;
- Status signal transmitting:

Crash, Panic, Event, Engine Overheat, Fuel Tank Empty (FTA), Attempt to Theft, Ignition, Car Alarm, GPS Alarm, Power Alarm.

#### 4.1 SOFTWARE (and Service): VEHICLE GPS-GPRS MONITORING



##### GPS WEB monitoring service

Coverage: **All world**

Service for vehicle WEB monitoring (vehicle monitoring via Internet).  
Vehicle modules series GuardMagic VB, GuardMagic VF.

Visualization on maps, reports generation

##### VehicleStation 50, VehicleStation 150

Universal PC based GPRS fleet monitoring software.  
Supports also: fuel monitor function, vehicle activity analysis function, driver activity analysis function, reports and diagrams generation.  
Vehicle modules series GuardMagic VB, GuardMagic VF

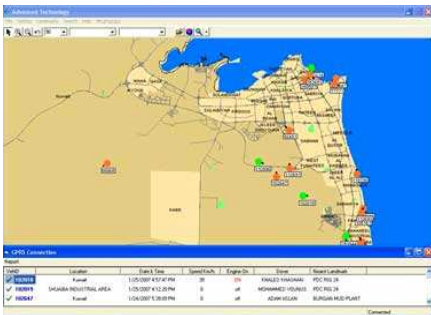
*in development*

##### FleetStation 100 (200; 500; 1000; 2000)

Universal PC based Client-Server GPRS fleet monitoring software.  
Supports also: fuel monitor function, vehicle activity analysis function, driver activity analysis function, reports and diagrams generation. Set include license for 3 client software. Vehicle modules series GuardMagic VB, GuardMagic VF.

*in development*

#### 4.2 MONITORING SOFTWARE (and Service): VEHICLE GPS-GPRS MONITORING



##### Advanced Technology (special solutions for Arabian Gulf Region).

Universal PC based monitoring software (GPRS connection) with internal maps of Arabian Gulf Region.  
Client-server based. Support till 999 vehicles.  
Support: GuardMagic VB, GuardMagic VF series module  
Arabic and English languages.

Internal maps: KSA, Kuwait, UAE, Bahrain, Qatar, Oman.

#### 5.1 TECHNOLOGICAL TOOLS



##### GuardMagic VB6...VB8 programming tool GuardMagic VF1. VF2 programming tool

(Serial interface RS-232)

The technological complete set for programming and changes of adjustments of modules GuardMagic VB, by a personal computer