1. HARDWARE, GSM-GPRS MODULE FOR STATIONARY OBJECTS MONITORING (FUEL STORAGE, DISEL GENERATORS, REFRIGERATORS etc.)

GuardMagic FSM2/1 (Indoor Application)
Multi Tanks Supports.

Universal GSM-GPRS module for "Real Time" stationary objects monitoring.
Universal communication protocol. Easy to installation and easy to use.

- GSM 900/1800/1900   GPRS (or GSM/GPRS Quad);
- Monitoring up to **THREE** fuel tanks (GuardMagic DFLS3; GuardMagic DFLS4 sensor with digital interface EIA-485);
- Temperature (and/or Humidity) monitoring function (up to **SEVEN** sensors);
- Flow fuel meter monitoring function (up to **TWO** pulse flow meter connection);
- RPM monitoring function (up to **TWO** RPM sensors or RPM circuits connection);
- External logical sensors or circuits monitoring (up to **FOUR**);
- Two main operation mode (Standard, Packet);
- Internal memory for data storing;
- Possibility of wireless reprogramming;
- Status signal transmitting:

Fuel Level, Temperature, Operation, RPM, Fuel Flow; Alarm, Customers Signals and so on.

GuardMagic FSM3/1   (Indoor Application)
Multi Tanks Supports

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- Flow fuel meter monitoring function (up to **TWO** pulse flow meter connection);
- RPM monitoring function (up to **TWO** RPM sensors or RPM circuits connection);
- Staff identification;
- External logical sensors or circuits monitoring (up to **FOUR**);
- Two main operation mode (Standard, Packet);
- Internal memory for data storing;
- Possibility of wireless full reprogramming;
- Status signal transmitting:

Fuel Level, Temperature, Operation, RPM, Fuel Flow; Alarm, Staff ID, Customers Signals and so on.

in redeveloping

GuardMagic FSM3/2 (Indoor and outdoor application)
Multi Tanks Supports

Universal GSM-GPRS module for "Real Time" stationary objects monitoring.
IP56 liquid and dust protection. Internal lead reserve battery
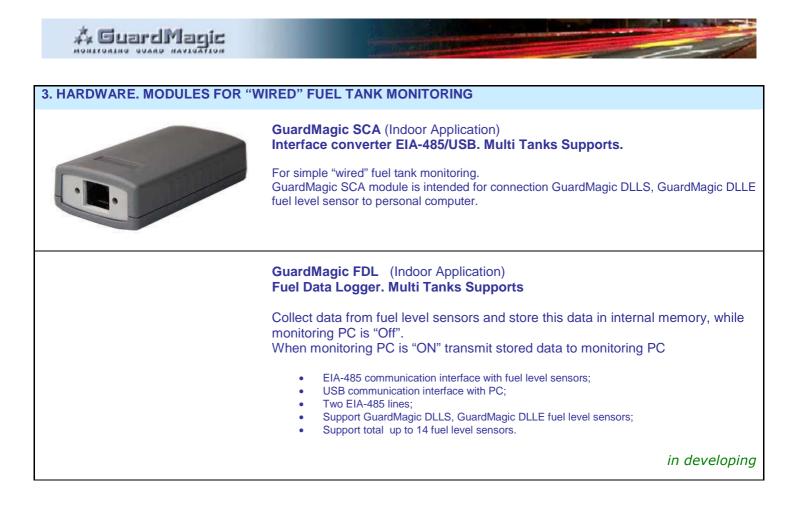Universal communication protocol. Easy to installation and easy to use.

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- Temperature (and/or Humidity) monitoring function (up to **SEVEN** sensors);
- Flow fuel meter monitoring function (up to **TWO** pulse flow meter connection);
- RPM monitoring function (up to **TWO** RPM sensors or RPM circuits connection);
- Staff identification;
- External logical sensors or circuits monitoring (up to **FOUR**);
- Two main operation mode (Standard, Packet);
- Internal memory for data storing;
- Possibility of wireless full reprogramming;
- Status signal transmitting:

Fuel Level, Temperature, Operation, RPM, Fuel Flow; Alarm, Staff ID, Customers Signals and so on.

in redeveloping

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GuardMagic
MONITORING GUARD NAVIGATION

3. HARDWARE. MODULES FOR "WIRED" FUEL TANK MONITORING

GuardMagic SCA (Indoor Application)
Interface converter EIA-485/USB. Multi Tanks Supports.

For simple "wired" fuel tank monitoring.
GuardMagic SCA module is intended for connection GuardMagic DLLS, GuardMagic DLLE fuel level sensor to personal computer.

GuardMagic FDL   (Indoor Application)
Fuel Data Logger. Multi Tanks Supports

Collect data from fuel level sensors and store this data in internal memory, while monitoring PC is "Off".
When monitoring PC is "ON" transmit stored data to monitoring PC

- EIA-485 communication interface with fuel level sensors;
- USB communication interface with PC;
- Two EIA-485 lines;
- Support GuardMagic DLLS, GuardMagic DLLE fuel level sensors;
- Support total up to 14 fuel level sensors.

in developing

4. HARDWARE: FUEL LEVEL SENSOR

See: Fuel Level Sensors Products

5. ADDITIONAL COMPONENTS AND EQUIPMENTS

GuardMagic FSM programming tool

The technological complete set for programming and changes of adjustments of modules **GuardMagicFSM** by a personal computer

Consist of:
- technological software;
- power supply with cable to FSM;
- PC-FSM cable.

6. STATIONARY OBJECT WEB MONITORING SERVICE
   (FUEL STORAGE, DISEL GENERATOR, REFRIGERATOR etc.)

FidTrace
Coverage: **All world**

Service for stationary objects WEB monitoring (objects monitoring via Internet).
Modules series GuardMagic FSM2, GuardMagic FSM3.
                    Data Storage, Object Status Monitoring, Report Generation, Alarm Generation

7. SOFTWARE. "WIRED" FUEL TANK MONITORING

EasyTank (FREE)

Free fuel tank monitoring software for "wired" tank monitoring.
Support up to THREE fuel level sensors.

- Received information from fuel level sensors and store it in Data Base;
- Show current fuel level and/or fuel volume in fuel tanks;
- Show fuel history (fuel graph) of fuel tank;
- Support up to THREE fuel tanks (three fuel sensors);
- Support Guardmagic DLLS, GuardMagic DLLE fuel level sensors;
- Works with GuardMagic SCA or the other EIA485/USB converter.

TankMonitor

Fuel tank monitoring software for "wired" tank monitoring
Support up to 14 fuel level sensors.

- Received information from fuel level sensors and store it in Data Base;
- Show current fuel level and/or fuel volume in fuel tanks;
- Generate fuel graphs and fuel reports;
- Support up to 14 fuel tanks (14 fuel sensors);
- Support Guardmagic DLLS, GuardMagic DLLE fuel level sensors;
- Works with GuardMagic SCA or the other EIA485/USB converter and GuardMagic FDL fuel data logger.

                                                                    in developing

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