

FUEL MANAGEMENT SYSTEMS ALDE BASIC AUTOMATION SYSTEM

"For Mobile Stations and In-House Systems"

Pump Automation | Tank Automation | CIS | Tank Truck Automation

All pumps and tanks in the fuel station are audited and recorded with 100% information security, thanks to the automation software; refueling and filling data are reported and analyzed. The system works on fuel pump equipped with GPR and GPS enabling the location of the pump/tank unit on the area map and online data transfer of all activities.

Pump Automation

- All pump activities are recorded.
- Unauthorized intervention is prevented.
- All information is automatically generated.
- 100% accuracy data recording.
- All authorized users can get separate reports and can organize information according to personal requirements.
- Refueling is prohibited for unregistered vehicles, due to the Customer Identification System.
- Avoids wrong grade vehicle filling.
- All information is irreversible transferred to the central server.
- Date, time and quantity limits may be applied per vehicle.



Tank Automation

ALDEO tank automation software includes hardware and differs from similar automation systems on the market. You do not need additional equipment such as a probe and interface, converter for the tank automation system. Additional probe and hardware costs, mounting difficulties, calibration errors, it avoids many possible problems. Thanks to the "tank hydrostatic pressure sensor" developed with state-of-the-art technology, a most accurate level result is obtained. Mounting the probe to an existing tank is quite easy compared to other measuring systems.





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- The instantaneous data of all the tanks of the network are displayed on an easy-to-use main screen.
- Current stock quantities of tanks are displayed by remote access.
- Stock volume, height, percentage and occupancy, tank name, fuel type, product name etc.
- These data will be displayed on the screen collectively.
- Completed filling data are recorded,
- All data are stored in the database.

Client Identification System (CIS)

This system enables the management of fuel supplies of the fleet-owned vehicles and the safe refueling of the vehicles. The refueling is done within the limits defined by the RFID cards for vehicles. All information about the supplies is saved instantly and stored for the purpose of reporting.

Tank Trucker Automation (Optional)

It is an automation system is used especially in the filling of fuel tanks with mobile tankers. Thanks to GPRS + GPS in the Tanker Automation System, you can get position information due to satellite connection which are 100% safe. The supplies are safely and instantaneously recorded and reported in the central automation software.

- Only permits fleet supply as programmed by CIS.
- Delivery data are centrally written via GSM (GPRS).
- All credit inquiries that are defined by the refueling vehicle made with GPRS connection.
- Prevents the supply of undefined transfer of fuel .
- All data is 100% safe and instant reports can be received by users.



Central Software System

All system software is installed at one central location. The information is as secure as easily accessible. Without any rent of an external data storage points. By taking backups of system information at certain intervals, the fleet manager can easily access the system.



Main Menu



Fuel Station Pump Menu

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Standard included :

- Level gauge with display in liters and %
- 50 customer RF cards
- GPRS unit with two antennas
- Card reader

Not included in the system are:

- Server/PC for in-house data storage and programs
- Static IP address.
- GSM card for each station / container location, suitable for data transfer from a local provider.

Components



RF Card Reader



GPRS Device



Tank Level Monitor



RF Cards

System Architecture

