

Technical Specifications

- Touch screen 7" console display
- FriendlyARM based motherboard
- Windows CE-based automation software
- The software is not a desktop application, but a Windows service application
- Software uses MS SQL database
- RS232/RS485/Current Loop communication infrastructure
- Built-in mifare Card reader ISO 14443A/B
- Built-in GPRS modem
 - Sensivity: 108 dBm (typ.) @ 900 Mhz / 107 dBm (typ.) @ 1800 Mhz
 - Fully type approved conforming R & TTE directive
 - GPRS Class 10
 - Mobile station Class B
 - Coding Scheme 1 to 4
- Availability of integration with Gilbarco, Mites, IPT Registers
- Automatic data backup
- Automatic central update
- Server/client application on TCP/IP

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CYMOBIL Tanker Automation System

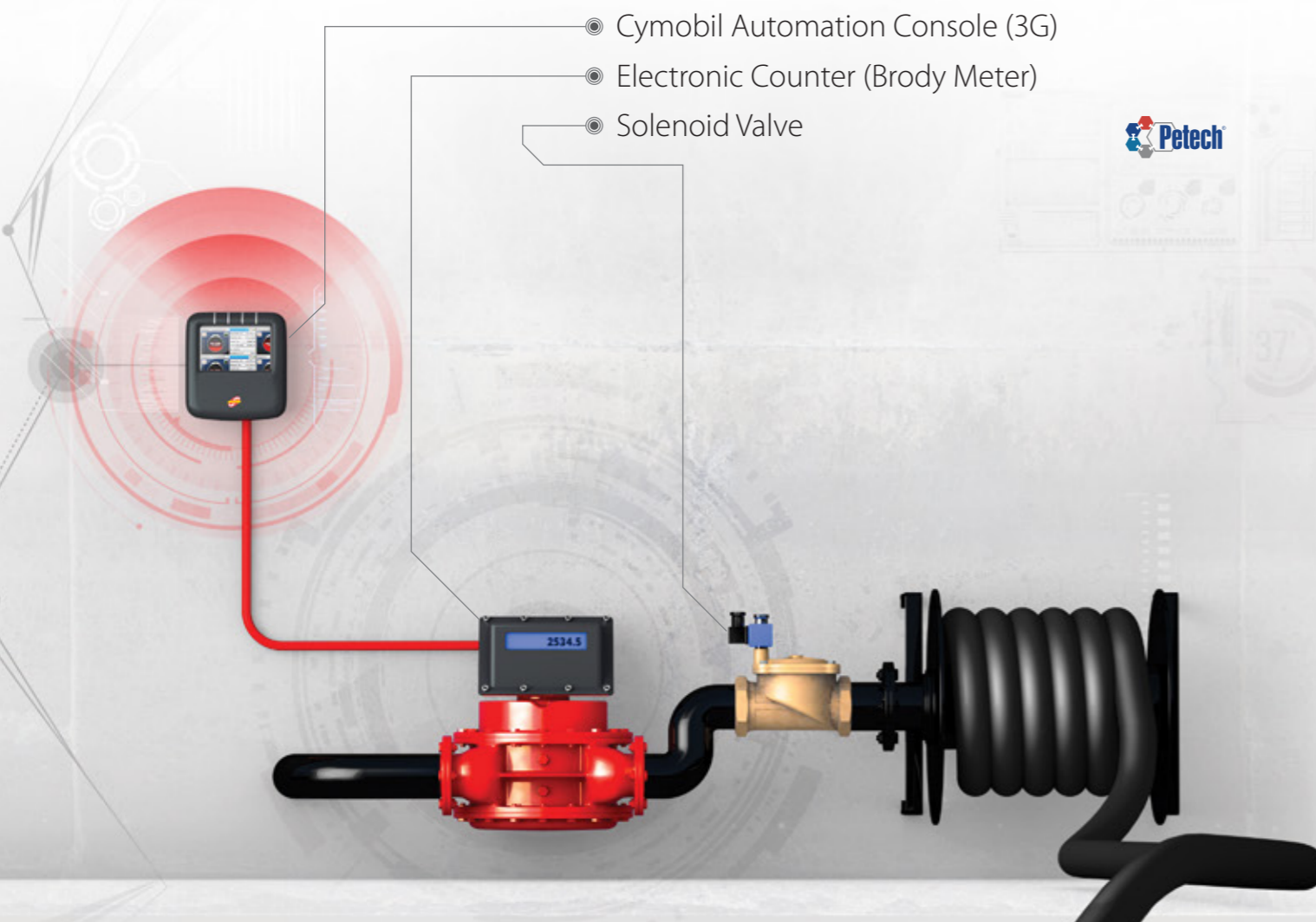
The system converts tanker truck to a mobile petrol station with automated fuel deliveries. It is specially designed for fuel deliveries to heavy duty vehicles in field which can not refuel from a regular petrol station.



CYMOBIL Tanker Automation System

With Cymobil automation system, tankers deliver fuel to heavy duty vehicles and construction machineries which working in field with automated system. System console with touch screen display which is placed in the truck cabin is connected to electronic meter register and solenoid valve, ensuring that all delivery is controlled and recorded by the system. Customer recognition and vehicle identification modules added to the system, the system may become more high-level control can be achieved limit and congestion management.

System Architecture



Basic Features of the System

Fuel Supply Control: Fuel supplies can be managed by the automation system using a solenoid valve added to the mechanical installation on the tankers.

Electronic Counter: The electronic counters installed by removing mechanical counters make the system suitable for use with automation system. The electronic counters managed by the automation system record the fuel supply data automatically, allow supplying fuel using preset values, and enables control of unit prices electronically.

Automation System: The automation system installed inside the driver's cabin of tankers has an industrial architecture, and allows users to manage the system easily using the large and touch-screen display. In addition to fuel supply start and stop functions, it also has many functions such as communication with the center, generating fuel supply reports, fuel supplies using cards, etc. The embedded 3G modem allows communication with the center.

Receipt Printer: The receipt printer that can be added to the system optionally enables the system to print a receipt after each fuel supply.

AWS (Auto Wake-Up Switch): The systems carry out end-of-day process in tanker fleets managed centrally. In cases where the tankers are inoperative at the time of the end-of-day process, the optional AWS system turn the system on at a specific time for end-of-day process, and then safely turns off the system automatically after completion of the process. Thus, the system operates in such a way that the end-of-day process can be performed without exhausting or damaging the batteries of tankers.

Electronic Register Integration: Integration is possible with many known registers. Other registers can be integrated to the system in a short time, if related documentation and sample hardware can be supplied.

Totalizer Reading: Totalizer data on each register is transferred to the system after each sales transaction. Any differences between the delivered amount and the totalizer value are identified and reported by the system.

Unit Price Changing/Programming: Unit prices can be changed right on the system, without a requirement to change the unit price on each register. All price changes can be reported in the system on user basis.

Account Management: Limitations, discounts, etc. can be applied to any pre-defined accounts and all sales transactions are managed and reported by the filtering of sales and account types.

Reporting: Allows creation of a variety of filterable reports for sales transactions, registers, products, etc. and they can be converted into a different file formats.

Central Connection: The system is fully compatible with the Asis Central Management System (Petech On-line). All sales from registers are transferred to the center online. Sales models requiring central authorization are utilized and all daily opening and closing data are collected and transmitted to the center during night times allowing the system administrator to manage all tanker truck data in one location.

System Options

- AWS (Automatic Wake-Up Switch)

