TECHNOTRADE LTD

Simple automation system for petrol stations

Simple automation system for petrol station provides all tools for complete automation of petrol station and includes the following component parts:

• **NaftaPOS front-office software for petrol stations** intended for control over technological processes, automated measurement and commercial account at petrol stations and storage depots.
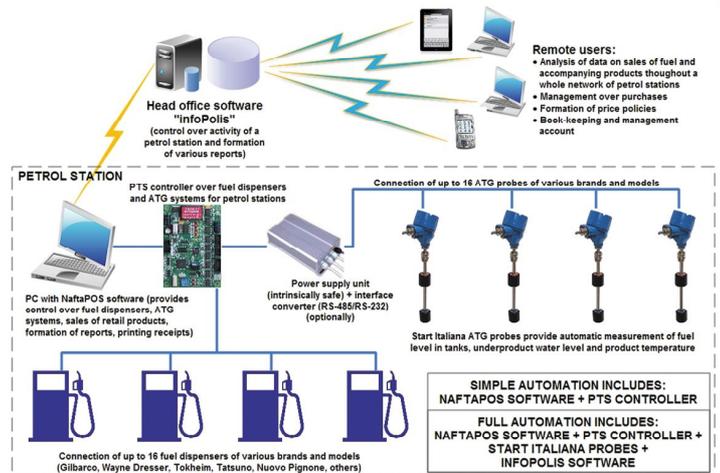
NaftaPOS software provides all functions of a full-functional POS system for petrol stations with remote control over fuel dispensers, ATG systems, retail sales of products, printing of receipts and formation of reports. NaftaPOS software is to be installed on a standard personal computer with Windows operation system.

• **PTS controller over fuel dispensers (pumps) and ATG systems** for petrol stations intended to provide simultaneous control over various types of electronic fuel delivery dispensers of various manufactures (Wayne Dresser, Gilbarco, Tokheim, Nuovo Pignone, Tatsuno, Tatsuno Benc, Bennett, Korea EnE, SOMO Petro, HongYang, Petrotec, Adast, MM Petro, Emgaz Dragon, Welma, Develco, Safe, Wayne Meksan, Mepsan, 2A, Kraus, Petrolmeccanica, EuroPump, Galileo, Falcon, Batchen, Email, Slavutich, Shelf, UNICON, UNIGAZ and others) using various proprietary communication protocols of manufacturers (Adast Easycall, Wayne DART, Gilbarco Two-Wire, Tokheim Controller-Dispenser Communication protocol, Nuovo Pignone, MM Petro ZAP, TATSUNO SS-LAN, TATSUNO Benc PDE, Develco, Bennett pump dispenser protocol (current loop and RS-485), EnE Dispenser POS protocol, SAFE Graf, Galileo Pump Control, Marconi PumaLAN, Slavutich DLink-FD, TiT Unipump, Shelf, TIT UniGaz others). and provide reading of measurement data from various types of automatic tank gauge (ATG) systems of various manufactures (Gilbarco Veeder Root, OPW, Hectronic,Struna, PetroVend, Start Italiana and others).

PTS controller over fuel dispensers (pumps) and ATG systems for petrol stations is to be directly connected to a COM-port of a PC with NaftaPOS software. The PTS controller has output interface RS-485, so it can directly control fuel dispensers that have this input interface (like Wayne Dresser, Tatsuno, Tatsuno Benc, sometypes of Nuovo Pignone, Adast, Mepsan, Meksan, etc). For fuel dispensers that have other input interfaces we have special interface converters (foe dispensers like Gilbarco, Tokheim, some types of Nuovo Pignone, etc).

In case if there is no necessity in having a Head-Office software or no necessity in controlling level of fuel in tanks at petrol stations - these components can be elemenated from the system, which makes the system capable to provide sales of fuel at petrol station.

Head office software "infoPolis" (control over activity of a petrol station and formation of various reports)

Remote users:
• Analysis of data on sales of fuel and accompanying products thoughout a whole network of petrol stations
• Management over purchases
• Formation of price policies
• Book-keeping and management account

PETROL STATION

PTS controller over fuel dispensers and ATG systems for petrol stations

Connection of up to 16 ATG probes of various brands and models

PC with NaftaPOS software (provides control over fuel dispensers, ATG systems, sales of retail products, formation of reports, printing receipts)

Power supply unit (intrinsically safe) + interface converter (RS-485/RS-232) (optionally)

Start Italiana ATG probes provide automatic measurement of fuel level in tanks, underproduct water level and product temperature

Connection of up to 16 fuel dispensers of various brands and models (Gilbarco, Wayne Dresser, Tokheim, Tatsuno, Nuovo Pignone, others)

SIMPLE AUTOMATION INCLUDES:
NAFTAPOS SOFTWARE + PTS CONTROLLER

FULL AUTOMATION INCLUDES:
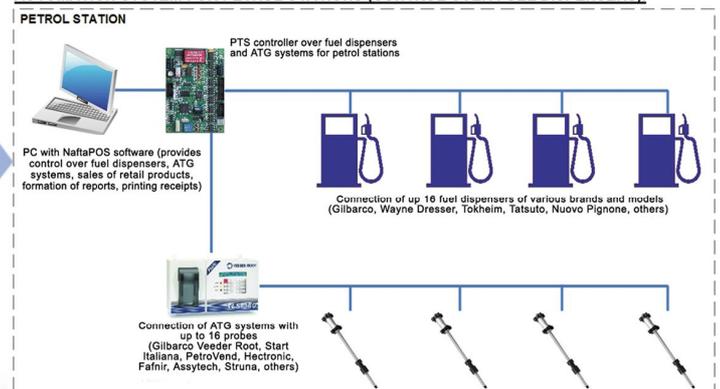NAFTAPOS SOFTWARE + PTS CONTROLLER + START ITALIANA PROBES + INFOPOLIS SOFTWARE

• **Start Italiana magnetostrictive level probes** intended for continious measurement of petroleum products levels (fuel and LPG), underproducts water level and temperature in tanks at petrol stations and storage depots.

Start Italiana magnetostrictive level probes are installed in tanks of a petrol station and allow remote monitoring over state of fuel in tanks, underproduct water and temperature. Applying of interfaces in the probes' heads makes it very comfortable to use them (no necessity to have additional control units). Start Italiana probes are directly connected to a PTS controller using RS-485 or RS-232 interface.

• **Back- and Head-Office software** intended for remote control over activity of a petrol station, formation of reports on operation of a petrol station, analysis of data on sales of fuel and accompanying products thoughout a whole network of petrol stations, management over purchases, formation of price policies, book-keeping and management account. Back- and Head-Office software InfoPolis is to be installed on a company-server and users can receive reports and provide remote control over their petrol stations using either a thin-client application, installed on their computers, or through a company web-site.

AUTOMATION SYSTEM FOR PETROL STATIONS (CONTROL OVER FUEL DISPENSERS):

PETROL STATION

PTS controller over fuel dispensers and ATG systems for petrol stations

PC with NaftaPOS software (provides control over fuel dispensers, ATG systems, sales of retail products, formation of reports, printing receipts)

Connection of up 16 fuel dispensers of various brands and models (Gilbarco, Wayne Dresser, Tokheim, Tatsuto, Nuovo Pignone, others)

Connection of ATG systems with up to 16 probes (Gilbarco Veeder Root, Start Italiana, PetroVend, Hectronic, Fafnir, Assytech, Struna, others)

TECHNOTRADE LTD - we are looking for partners!