

TECHNICAL SUPPORT & PERIODICAL MAINTENANCE :



UP technical department & personnel is ready for service 24 hours 365 days having a maximum response time of 2 hours after a service call all around the country.

We make preventive maintenances twice a year to save stations from any defect and make them work in their optimum conditions. As a statistic, since 5 years of time none of any service need for equipments is demanded by customers after the periodical maintenance for 3 months.



Every single device is carefully controlled and replaced if needed, before they are out of service so that station sales are never stopped for defects.

Dispenser calibration measurements are controlled by our trained and government certificated technicians

**BİRLEŞİK PETRÖL DANIŞMANLIK SAN. VE TİC. LTD. ŞTİ.
(UNITED PETROLEUM CONSULTANCY LTD.)**

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BP STATIONS :

United Petroleum has constructed 155 BP station's LPG installations all around Turkey.



In 15 days of time, a complete installation is finished including tank cathodic prevention, submersible pump mounting, under and above ground installations, dispenser mounting and electrical installations including LPG security equipments in every field.

Total number of BATCHEN dispensers in BP sites are 231.

Total EBSRAY submersible pumps mounted in BP tanks is 186 including special PLC control panel unit to prevent pumps for dry running and save their economical life.



BP APPLICATIONS :



UP has constructed 2 special sites for BP in innovation project for millennium called harmony. These sites completely work with sunlight energy with sun sensors on the top of the canopy.

ACME branded turbine type meter is installed to a BP LPG truck where whole of the pipe lines also constructed by UP. Electronic totalizer and printer has been fitted to front part of the truck. This truck is giving service with an average of 18,000 liters/day since february 2001.



SHELL APPLICATIONS :



56 BATHCEN dispensers are installed to different cities of Shell stations in Turkey.

Periodical maintenances of these dispensers controlled in UP office once a year.

Filter replacements and dispenser calibrations are done at the station. Automation and site office remote control is optionally applied to Shell.

EBSRAY RB-10 model above ground pumps are replaced to Shell stations while other branded submersible pumps are taken off. We are always ready for any replacement according to Shell's demand in any station in any city. This installation last for 8 hours of working time for urgent demands of the company. Total number of replacements has now reached to 9.



AYGAZ APPLICATIONS :

There are 280 BATCHEN dispensers working in one of the biggest company of Turkey's stations nearly in every single city.

Periodical maintenances are controlled by UP trained technicians.



Aygaz is the first company UP installed ACME brand turbine type LPG truck meter.

Since 2000 no defect occurred in the truck while preventive maintenances are kept continuing.

DEMİR OREN GROUP DISPENSERS :



There are 52 BATCHEN dispensers mounted to DEM-AL Milangaz sites.

Technical support is completely under UP control.

AKÇAGAZ LPG TRUCK INSTALLATION:

A picture from the newest LPG truck installation of ACME meter and pipelines.



BULGARIAN LPG APPLICATIONS:



This TIR had only its tank before UP constructed every single installation on it. ACME turbine type meter, pipelines, electrical and safety installations are finished in 20 days.

The TIR has been working since 2001 march without any problem.

A picture from Shell Bulgaria station with Concept 2000 model BATHCEN dispenser.

UP has installed 7 Eko-Petroleum sites and 1 white flagged station for Bulgaria. Our local service in Sofia is trained by UP engineers and controlled in every 3 months.



BP TURNKEY STATIONS:



We can install turnkey stations on special offers. The total number for BP turnkey sites has reached to 55 where 20 more is still on construction planned this year.

A picture of construction is showed before station started to sale.

Every part of the stations are completed according to government and BP standards. LPG tank security dimensions is a hard case to suit where they are projected by UP experienced engineers.



Canopy, price panel and branding are constructed in BP norms with a time frame of 25 days beginning from the start.

Mounting BRUGG ROHRSYSTEME branded LPG flexible pipes is a must for BP stations since 2003.

UP has installed totally 18 km of BRUGG flexible pipelines only for LPG sites in 66 sites.



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LPG dispenser with mass flow meter

The mass flow meter technology development in the last meters of the electronic device, mechanical or other contact with the internal structure and design does not rub any parts. In this way, such as very precise measurements on the piston stroke with the principle according to the flow meter is much more long lasting. Therefore, the maintenance and change dispenser in the cost of flow meters for mass flow meter is missing.

Our company partners as a first world location world-wide company with the contact and the mass flow meter can be used for LPG dispenser for manufacturing supported. The flow meter assembly of the dispenser to the hydraulic parts has been completed and passed all the tests of Turkish Standarts. The type approval is initiated by the ministries of Industry. New models of high quality LPG dispenser market is about to take an active role in offering. Setup is easy, the new type of flow meter is supported by various processes well is then made ready for the perfect measurement. Due to the properties of the flow meter is not wear and corrosion varies depending on the amount of liter sales made for the calibration will have been eliminated in the deviations.



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MASSFLOW METER APPLICATIONS :



İPRAGAZ LPG STOCKHOUSE YARIMCA

LPG is loaded to truck according EN 589 density control with Endress & Hauser mass flow meter & Acme totalizer. The operator just enters the batch quantity & chooses which density to be delivered.

The installed equipments controls whole the process including grounding & HSSE needs.

MİLANGAZ LPG STOCK

More than 20 pieces of different size of mass flow meters are installed to Milangaz stock refineries so that from ship loading to single bottle loading will be under control in order to maintain stock balance. All data are integrated into the system via modem to the Internet environment can be transferred from the central building and archived.

A picture of 6" (DN 150) flow meter measuring ship loading & correcting the invoice when necessary.





MİLANGAZ BOTTLE LOADING

Flowmeter upside measures total mass of LPG delivered into carousel so that matching is prevented between manual measuring & invoice quantity. No chance to miss even one bottle.

A picture of 45 kg bottle filling plant with LPG & propane.



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ALL MASSFLOW METER APPLICATIONS SUMMARY:

COMPANY	PLACE	POINT	SIZE	FLOWRATE	SINCE
MİLANGAZ	YARIMCA	SHIP LOADING TO SPHERICAL TANKS	6"	550 ton/h	2003
MİLANGAZ	YARIMCA	TRUCK LOADING	4"	300 ton/h	2004
MİLANGAZ	YARIMCA	TANK TRANSFER	3"	180 ton/h	2003
MİLANGAZ	YARIMCA	2 kg CARRUSEL	1"	18 ton/h	2003
MİLANGAZ	YARIMCA	12 kg CARRUSEL	1"	20 ton/h	2003
MİLANGAZ	YARIMCA	45 kg CARRUSEL	2"	35 ton/h	2003
MİLANGAZ	DÖRTYOL	SHIP LOADING TO SPHERICAL TANKS	6"	500 ton/h	2004
MİLANGAZ	DÖRTYOL	TRUCK LOADING	3"	180 ton/h	2004
MİLANGAZ	DÖRTYOL	TRUCK LOADING	3"	180 ton/h	2004
MİLANGAZ	DÖRTYOL	TRUCK LOADING	3"	180 ton/h	2004
MİLANGAZ	DÖRTYOL	TRUCK LOADING	3"	180 ton/h	2004
MİLANGAZ	SAMSUN	SHIP LOADING TO CYLINDIRCAL TANKS	3"	210 ton/h	2005
MİLANGAZ	ALİAĞA	TÜPRAŞ TRANSFER PIPELINE	3"	180 ton/h	2008
MİLANGAZ	ALİAĞA	SHIP LOADING TO SPHERICAL TANKS	6"	400 ton/h	2009
İPRAGAZ	YARIMCA	TRUCK LOADING WITH PRESET & DENCITY PROCESS CONTROL	2"	55 ton/h	2007
İPRAGAZ	YARIMCA	SHIP LOADING DENCITY METER	1"	15 ton/h	2008
İPRAGAZ	KIRIKKALE	TRUCK LOADING	2"	55 ton/h	2008
İPRAGAZ	DÖRTYOL	SHIP LOADING DENCITY METER	1"	15 ton/h	2008
İPRAGAZ	DÖRTYOL	SHIP LOADING DENCITY METER	1"	15 ton/h	2008
SHELL	LPG TRUCK	TRUCK METERING SET	1,5"	10 ton/h	2009
BP	VARIOUS	TANK FILLING STOCK CONTROL WORK	2"	8 ton/h	2003
BP	IHLAMUR	LPG DISPENSER STOCK CONRTOL WORK	½"	1 ton/h	2002
BP	VARIOUS	LPG STATION STOCK CONTROL WORKS	½"	1 ton/h	2002
TOTAL	İZMİR	LPG TRUCK'S FLOWMETER CALIBRATION	2"	6 ton/h	2004

SHELL LPG TRUCK

Must deal with Shell, a unit of LPG delivery truck was equipped with the meter set. And began to supply. All hydraulic infrastructure of the truck was manufactured in our plant. The latest technology by using mass flow meters were obtained. Plant the Separator, differential valve and mechanical installation of the pump with the correct calculations yield the most appropriate was selected for the study and 310 liters per minute to supply capacity has been reached. Mechanical installation in a little as 0.3 bar pressure loss by 25% due to the filling can be made more quickly. Shell is also designed for the electronic indicator and note the cut option now possible moment with the printer. Overall sensitivity of the system and the experience has been appointed as 0.1%. Then queue up again to 7 trucks are planned by Shell.



Company experience and experience with the application of competition before the mass flow meter assembly faulty installation of a completely isolated system furnished by electricity, on the way to ensure flexibility and measuring received.

Used to set the mark so far Separator and differential valves instead of the less problematic and more stable working models are selected. Moreover, the electronic display 100% domestic production has been mounted in the ex-proof features. At the same time, non-

mass flow meter display are selected. Thus, more than 50% in total savings in the cost of investments were obtained.

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