



ELECTRONIA



EL SMART

## EL FUEL PETROL STATION SOLUTIONS

Employing a smart card based fuel dispensing system, El Fuel, Electronia's Petrol Station solution, streamlines the process of allocating fuel concessions in a user-friendly interface while saving companies the expense of lengthy, often costly, and fraudulent-plague operations.

The fuel dispensing system is based on ISO/IEC 14443 standard compliant contactless smart cards, along with EISmart POS Terminals, EISmart Card Programmer, EISmart Revalue Stations, and Web-based, Arabic/English Fuel Management application software.

To address frequently encountered connectivity issues and to speed up operations, all revalue stations can be provided with wireless broadband connectivity via state-of-the-art TDMA/DAMA based terminals or WIMAX/WIFI. In this way, the revalue stations could transmit and receive information to and from customer service without delays.

The network either supports a wide variety of communication services including data, voice, and Internet. The remote terminals can access all of these services at the same time. Any remote terminal can establish many simultaneous connections to many different destinations.

### Operation

The solution works by placing fuel card dispensing stations, all registered in the EISmart Fuel Management System, to disburse EISmart Fuel Cards against deposit of monetary notes. Individual customers may then use the cards to avail of petrol fuel. They may change the amount of load in the cards through revalue stations. All the transactions will be updated by the system in real time, allowing for generation of reports and other critical data to analyze the effectively of the whole setup.

The Customer Service Center, the main controlling entity of the system, shall carry out the tasks of systems administration, database entry & maintenance, data archiving, helpdesk, as well as act as the interface between the system and the users, suppliers, and the intermediate division heads. It will also be allowed to adjust the quantity of stock on hand of fuel through gain or loss by inventory.

# EL FUEL PETROL STATION SOLUTIONS

**In place of the old and error-prone system, EIS-mart Petrol Solutions bring about many advantages. These include:**

- Establish an effective, efficient, user-friendly fuel concession system.
  - Prevent Fraud and theft of allocated fuel concessions.
  - Generate rapid, constant market share growth. Build customer loyalty based on long-term contracts for fleet service.
  - Rapid ROI. Generate a rapid return on investment with increased revenues from new dedicated customers.
  - Automated Fuel Allocations. Controlled fuelling and automated authorization for accurate & cost effective disbursements.
  - Accurate and Reliable Billing. Real time Electronic reports reduce administration and billing costs. Manual error is eliminated.
  - Security. Smart card built-in encrypted technology.
  - Improve Transaction Speed. More transactions per hour with the same site equipment generate greater profitability and efficiency.
  - Eliminate Fuel Theft. Station attendants and customers can not fraudulently fuel with Smart card based automation.
- Added Value. Provide added value to customers by eliminating the need to repeatedly collect fuel concession coupons and by offering 24-hour service revalue.
  - Strengthen Relationships. Establish a “customer club” with special offers and additional facilities to strengthen relationships with users.
  - Electronic Purse. Extend to pre-paid or ‘electronic purse’ applications in the future for other potential products without changing the basic infrastructure.
  - Be an Innovative Market Leader. Establish a presence as an innovative market leader, bolstering company image, and attracting new customers.



*Smart card based fuel dispensing system*