Kardall Remote Fuel Access Technology

The Kardall system is designed to streamline fuel data transaction capture, resulting in savings of time and money as well as increased system security for the site operator.

At its root, the Kardall system simplifies fuel-management operations. For instance, a site operator with multiple fueling locations currently would need to maintain his card file of authorized users at each location. Now, thanks to the OPW/Kardtech agreement for the Canadian petroleum market, site operators can install the FSC3000™ unit outfitted with the Kardall network option. Kardall's "Cloud" operating system – which has the ability to store virtually an unlimited number of authorized users and track an infinite number of fueling transactions – will be able to control and monitor every transaction at all operator fueling sites.

Another major benefit of the new network option is the instant a fueling transaction is completed it is recorded in real-time on the Kardall host. This prevents anyone from authorizing a second refueling from anywhere within the fuel operator's entire network.

Simplify Your Fuel-Management Operations With The New Kardall Internet "Cloud" Operating System

Benefits & Features

Efficient
Cloud operating system has the capability to monitor the transactions at all operator sites

Real-Time
When a transaction is complete it is recorded in real-time within the fuel operator's entire network

Secure
Secure TCP/IP communications for private and non-private applications

Accessible
Internet access to site information from anywhere in the world via a PC; third-party accessibility to the software platform

◆ Monitor all transactions stored at a centralized host

◆ Internet access to site information from anywhere in the world via a PC

◆ Capable of handling an unlimited number of users and storing an infinite number of transactions

◆ Detect and prevent instances of fuel theft

◆ Real-time card-status checks prevent anyone from refueling from different locations within the same fuel site network

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NOTE: See OPW Fuel Management Systems Website at www.opwglobal.com for detailed product literature, manuals and sales representative contact information for your area.

Additional Benefits & Features

◆ Kardall platform allows users to enter in Custom Prompt entries at reader station along with certified on-screen training requests and messages to drivers

◆ Enabling this entire solution is a guaranteed connection to your site or mobile (asset) with zero IT impact

◆ Modem handles pre-authorization - authorization via live network
  – Connectivity by users to site over private IP
  – Connectivity to tank gauge systems
  – Emergency stop alarm input - for direct notification messaging
  – Connects other site equipment needing TCP/IP or serial port connection

◆ Kardall military-grade cell modem with data package is supplied by Kardall

◆ Secure TCP/IP communications

◆ Tank gauge connectivity for automatic importing of fuel volumes

◆ A message center that houses alarm notifications and e-stop messaging in real-time

◆ Daily back-up of all data that is date/time-stamped by the server

◆ Various types of transaction reporting: system diagnostic reporting, customer invoicing, taxes, costing tables, averages, fuel terminal delivery entry, pump totalizer entry and pricing

◆ Each user can be assigned specific rights and privileges

◆ 24-hour tech support by Kardall, via phone or PC

Remote Fuel Access Technology

- Transaction Data
- System Diagnostic Data
- Backup Data (USB)

FSC3000™

IP Authorization Gateway

Optional BlueTree Wireless Access Point

GPS/Trak iT™ Google Maps Solution

Dispenser

FIT

Swipe Card

BlueTree Wireless Modem

Tank Gauge

Real-Time Kardall IPN Dedicated Server (Proprietary Cards)

Other Fleet/Credit Card Networks

Trak-iT™ Server

Real-Time Customer Site Management and Reporting

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