Integrating Fleet Fuels Management Systems
at On-base Service Stations and Military Fuel Points

Capture & Validate Data at the Point of Sale

Safety and automation technology is playing an increasing role as many fuel service stations are operating as unmanned facilities. Having a fuel attendent is a thing of the past, but it is increasingly important to capture every transaction in detail so that fuel usage throughout the supply chain is fully visible at every level of your operation.

A Critical Component for Fleet Management

FuelsManager® Defense interfaces directly to the Gilbarco Gasboy IslanderPLUS Fleet Management System terminal to manage the complete fuel sale process in real time at unmanned service station facilities and military fuel points. This combination is an integral part of an automated defense fuels management system that performs the following critical tasks:

- Validates authorized users and payment methods before fuel delivery commences

- Updates FuelsManager Defense Accounting application with completed transaction data that enables timely and accurate fuel reconciliation

- FuelsManager Defense formats the transaction data so that it is export ready for enterprise reporting in external business systems, such as SAP

▶ *The GasBoy IslanderPLUS uses advanced fleet control technology.*

User Acceptance

The Gilbarco Gasboy IslanderPLUS terminal provides a familiar interface for users across all service branches. It supports existing authorization devices in use today, such as contactless tags/cards, magnetic cards, cards plus user PIN, Fleet cards, CAC, and also allows manual entry of data.
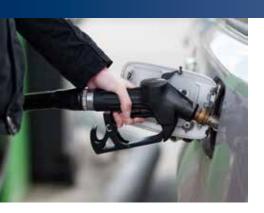
Meets Defense Security Standards

Varec and the Gilbaro collaboration provides unparalleled experience working to U.S. Department of Defense Standards. FuelsManager has been U.S. DoD DIACAP approved and all components of the system have been developed to meet or exceed DIACAP security requirements for software and hardware systems. All data stored in either FuelsManager or the Gasboy terminal is only accessible by authorized users.

Operates Online, Offline and Anytime

The system is capable of validating data locally or remotely, depending on the size of operation, network availability, base level server and enterprise configuration. This allows smooth and continued operations for either real-time validation and data transfer, manual operation or batch transfer of completed transactions.

Measurement | Control | Automation | Enterprise | Integration | Support

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FuelsManager® DEFENSE v9

▶ The system supports RFID technology for vehicle and customer level authentication. User data and payment information can then be populated into the fleet sale transaction.

Communications

The Gasboy is capable of communicating to FuelsManager using a variety of wireless communication methods, including Ethernet bridge modems, dial-in modems, radio transmitters, cellular, VPN and satellite. This allows data transfer via local networks, the Internet and the NIPRNet. Varec recommends cellular communications to overcome issues where operations are impacted due to poor network connectivity. A constant cellular connection allows the Gasboy to maintain a secure connection, not only with enterprise infrastructure, but also to third-party clearinghouses for payment authorization.

Manual Operation at Critical Times

For small operations that do not justify communication network investment, or at critical times when all communications are offline, the system is capable of operating in manual mode. At these times, the system can be configured to allow manual fuel delivery. Final sale transaction data can then be transferred from the Gasboy terminal to the FuelsManager server using secure removable storage media or transactions can be entered directly into FuelsManager.

Improved Invoicing with Fuel Reconciliation on a Daily Basis

All fueling transaction data is automatically available to FuelsManager Defense accounting users. On a daily, weekly or monthly basis, your back office personnel no longer have to wait for the delivery of paper tickets, manually enter whole fuel tickets, find lost tickets or identify and correct manual data errors. These processes consume valuable time and resources, but more importantly, delay the reconciliation and close out of fuel accounts.

Ideal for Unmanned Service Stations

The Gasboy terminal has a weatherproof enclosure and is rated to operate Class 1 Div. 2 environments that may contain flammable gases or vapors. When upgrading service stations, the Gasboy terminal's footprint allows direct replacement of older systems found at facilities worldwide. It also interfaces with all common pump types, such as Gilbarco, Bennett, Dresser Wayne, Tokheim, and Fillrite.

Integrating Vehicle Data for Improved Analytics

Optional functionality is available that allows the Gasboy to capture data directly from the vehicle as it pulls up to the pump. Once fitted to the vehicle, it is tamper proof and collects data, such as odometer readings, engine hours, idle times, speed, RPM and error codes.