GASBOY

GASBOY

HOMEBASE STATION

MANAGEMENT FOR COMMERCIAL FLEETS

GASBOY

CONTENTS

HOMEBASE STATION MANAGEMENT

Optimal Performance and Operations for Commercial Fleets

Gasboy's solution provides end-to-end coverage of homebase (commercial fleet) fuel sites. It gives an expanded solution from the station or tanker truck to the head office, and offers fleet managers the power and flexibility to manage their sites, control distribution, and monitor fuel levels. Gasboy's solution can manage multiple sites and fleets from one central point, maximizing fleet efficiency and minimizing fuel expenses.

Best in Class – Field Proven

Gasboy's fleet fueling solution is successfully deployed in thousands of fleets worldwide and is recognized by industry leaders as best in class. Facilitating savings of up to 30% of fleet fuel expenses, it offers a fleet fueling solution for maximized control and ease of use alongside Gasboy's Fuel Point PLUS™.

- Ideal Solution for any Fleet
  Gasboy's solution is ideal for any fleet that has its own fuel sites, including mining, ports, airports, municipalities, transportation, and more. It operates regardless of fueling method, in both mobile fueling trucks and fixed fueling stations. It works with any pump or dispenser.

- Significant Savings
  Gasboy's solution offers substantial cost savings through automation, fuel distribution control, and real-time data analysis.

- Enhanced Efficiency and Control
  With Gasboy's automation and real-time data, fleet managers have better control of inventory as well as delivery.

- End-to-End
  Gasboy's solution covers operation from the station to the head office, with payment terminal integration and value-added services.

BENEFITS

For Fuel Management

Gasboy's solution offers a selection of robust controllers for site automation and fueling authorization with both online or offline capabilities.

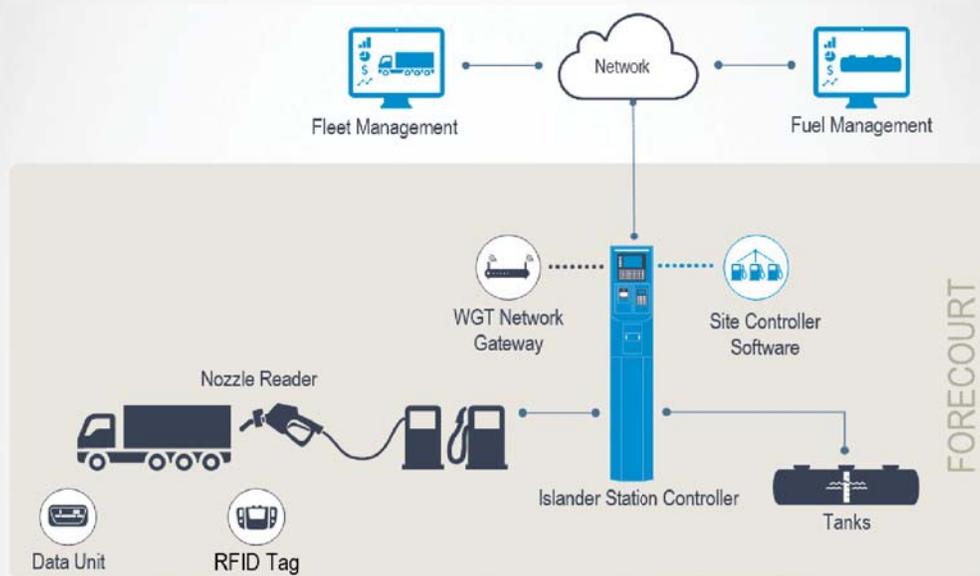|	
FLEXIBLE	Fully scalable — from a single site with a dozen vehicles to hundreds of sites with 50,000 vehicles, as well as straightforward interfaces with third-party applications. Flexible deployment — any fixed or mobile site architecture, type of dispensers, and other equipment
VERSATILE	Fueling authorization methods: cards, tags, MiFare, user codes, employee cards, and RFID vehicle identification. Supports fleet and third-party issued payment means with two-stage authorization option.
SAVINGS	Reduces fuel and operational costs, losses and ensures optimal fuel distribution. Complete control of fuel usage while reducing fuel expenses, misuse, and losses.
MANAGEMENT	The comprehensive fuel management includes inventories, tank levels, and deliveries. It also sends alerts on unusual behavior and fuel consumption. The fuel management generates customized periodic reports for accounting, budgeting, and operations management. Automated operations with real-time insight on station, fleet, and fuel status.
DEPENDABLE	Field-proven in severe weather and harsh environments such as mines, airports, and extreme climates.

Fleet Management — Network — Fuel Management

WGT Network Gateway — Site Controller Software

Nozzle Reader

Data Unit — RFID Tag

Islander Station Controller

Tanks

FORECOURT

Solution Description

Any fleet with its own operated fuel stations requires thorough management capabilities from the pump to the head office. Gasboy's solution offers complete site automation for both attended and unattended sites. It controls dispensers, tanks, and fueling trucks using ruggedized controllers and Gasboy's field-proven site controller software.

Gasboy's solution includes the Fleet Head Office (FHO), a powerful management tool, portal and payment authorization server.

Gasboy's solution manages fuel inventory at multiple sites and provides critical alerts on fuel levels, leaks, overfills, required deliveries, and other events. In conjunction with Fuel Point PLUS, fleets can use automatic vehicle identification for fueling, or use Gasboy's payment terminals to support various payment methods.

THE COMPONENTS

Homebase Site Controllers

Gasboy© site controllers are the ideal standalone solution for commercial fleets, providing comprehensive automation. The controllers are in ruggedized cabinets designed to withstand harsh environments and extreme temperatures, as well as interface with all forecourt devices. To ensure maximum stability, controllers have an embedded Linux machine running the site controller software. All controllers have flash memory, backup, and power fail recovery. Gasboy's solution is fully integrated with over 60 types of electronic and mechanical dispensers, as well as with the Fuel Point PLUS Automatic Vehicle Identification solution for maximum fuel savings, and odometer and vehicle data readings.

Islander PRIME Station Controller

The Islander PRIME Station Controller is an all-in-one standalone pedestal that offers complete forecourt automation and flexible fueling authorization capabilities through the Gasboy Payment Terminal. The Islander has a modular configuration with several options: magnetic stripe card reader, compact and self-contained printer, HID card reader, and built-in WGT when integrated with Fuel Point PLUS. The Islander is typically installed on the fueling island and supports up to eight mechanical hoses and 64 electronic hoses.

Atlas PRIME

Designed for fuel management at the pump, the Atlas PRIME integrates the PRIME fuel automation terminal into the Atlas electronic platform. The Atlas PRIME eliminates the need for the pedestal providing safety improvements and fueling efficiencies.

CFN PLUS Controller Unit

Designed for complete site automation, the CFN PLUS is a standalone site controller mounted in a sealed and ruggedized metal box for outdoor/indoor installations. It supports up to four mechanical hoses and 64 electronic hoses. Modular extensions are available using an extension box.

Fuel Truck Controller (FTC)

FTC is a mobile fleet fueling controller specifically designed for installation on fuel tanker trucks. Housed in a ruggedized box for harsh conditions and extreme temperatures, it features cushioning shock absorbers that dampen vibrations in severe driving environments. The unit controls, monitors, and stores on the spot refueling data. It has successfully deployed in various markets including mines, airports, and construction sites. Options include a FTC tag reader for fueling authorization and a compact mobile printer for installation in the truck cabin.

Station Controller Software

Station controller software provides complete and secure site automation, managing the dispensers, payment terminals, forecourt devices, and fuel tanks to control and record any transaction fully. The software supports any station configuration, business logic, and payment/authorization option. It electronically locks all dispensers and pumps to ensure that only authorized vehicles and drivers refuel. In addition, the station controller software offers real-time monitoring of refueling and tank levels, delivery and inventory reconciliation and a robust reporting mechanism.

Fleet Head Office

Fleet Management

The Fleet Head Office allows fleet managers to control and manage their sites, authorize fueling for any vehicle, set limits and restrictions, receive alerts, and generate reports. In addition, FHO acts as the payment authorization server for closed loop cards, and automatic vehicle identification (AVI) fueling vehicles. The FHO has a robust customizable reporting tool.

Fuel Management

The Fuel Management System (FMS) in the Fleet Head Office software manages fuel inventory at multiple sites, and alerts when stations reach critical fuel levels, leaks, overfills, and other events. The system receives wet stock data from stations, stores each tank's history, provides a forecast for future deliveries, and order and delivery reconciliation. It interfaces with third party applications and ERP systems.

	Islander PRIME Controller	CFN PLUS Controller	TopKAT PLUS Controller	Fuel Truck Controller
Dimensions (HxWxD) cm	158 x 30 x 29	38 x 30 x 15.5	42 x 29 x 52	38 x 30 x 15.5 (w/o shock absorber) 42 x 46 x 20 (w/shock absorber)
User Interface	Built-in Payment Terminal	Optional Tag Reader	Built-in Payment Terminal	Optional Tag Reader
Optional Accessories	Insert magnetic card reader, compact printer, HID card/tag reader, barcode scanner			
Wireless	Optional WGT IEEE802.15.4 w/proprietary mesh network (license)	Separate add-on		
Interfaces	RS-485, RS232, LAN, Dispenser interfaces for all common electronic and mechanical dispensers			
Operating Voltage	100-240 VAC	120 or 240 VAC	120 or 240 VAC	12-24 VDC
Operating Current	2A max	1A max	1A max	2.6A max
Operating Temperature	Without Printer -40° to +65°C (-40° to 149°F) With Printer -40° to +60°C (-40° to +140°F)	-30° to +40°C (-22° to +104°F)	-40° to +40°C (-40° to +104°F)	-30° to +40°C (-22° to +104°F)
Humidity	80% non-condensing			
Certifications	ETL, CE, FCC	UL, CE	UL, CE, FCC	UL, CE

GASBOY

www.gasboy.com