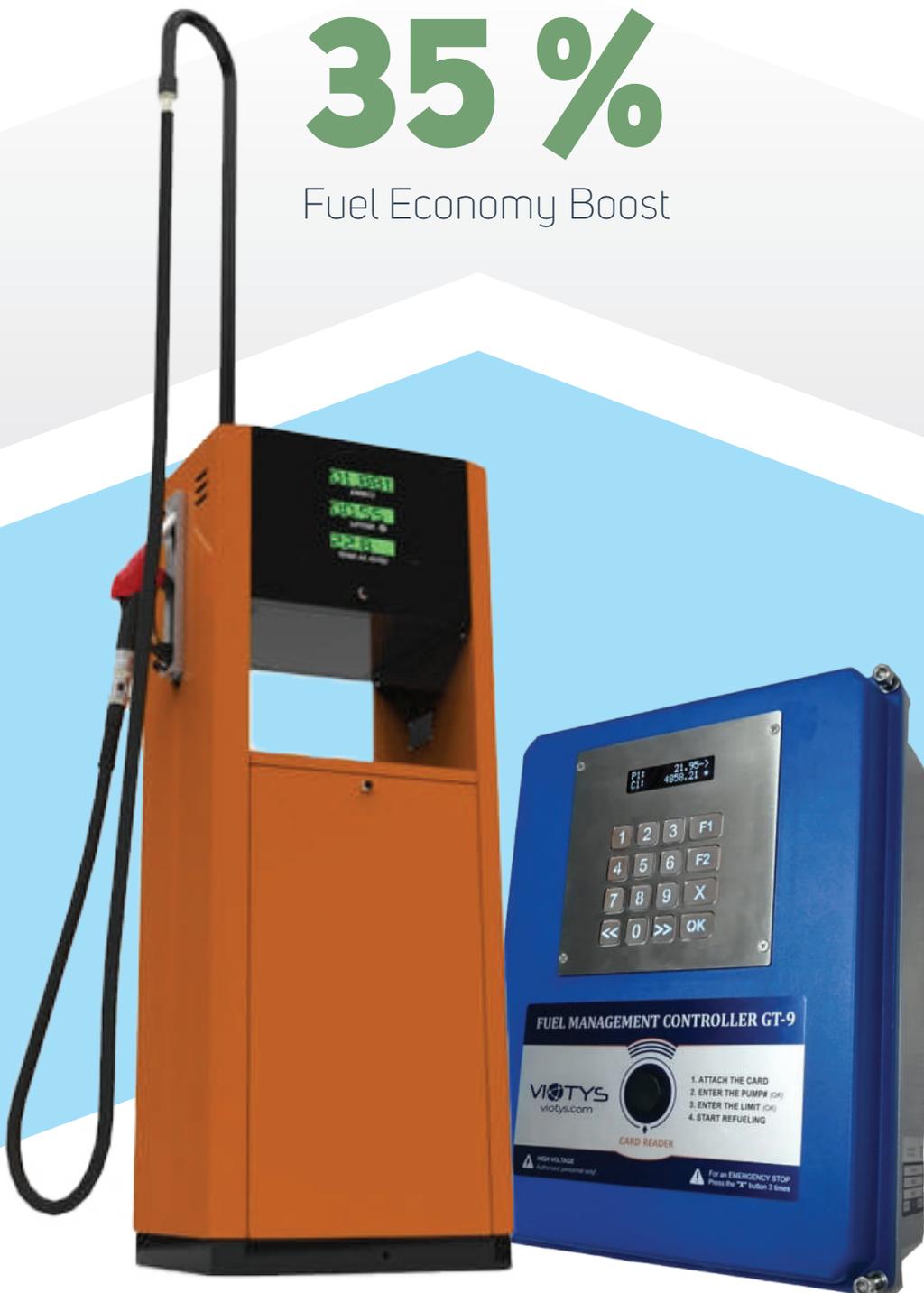# VIOTYS

STATION REFUEL SOLUTION

35 %

Fuel Economy Boost

Empower your operations with our comprehensive gas station automation system, offering real-time access to precise fuel data anytime, anywhere.

Experience seamless monitoring, management, and reporting capabilities, enhancing accountability and cost savings for your organization.
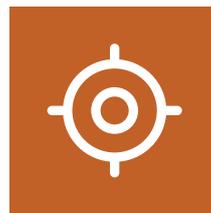
Cloud communication

Viotys fuel controller communicates with the server through various methods tailored to user configuration, ensuring flexibility and reliability
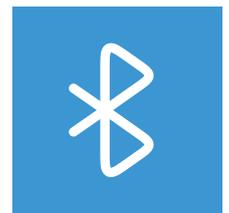
LTE

WIFI

GPS

BLE

Our controller employs the Wialon IPS protocol for seamless integration and efficient data exchange

What you get?

Viotys offers cutting-edge technology to effectively manage and control all fuel dispensing operations with utmost security.

Simplified Operation
Controller offers user-friendly operation and effortless setup

Reliable Robust System
Ensuring reliability and durability for seamless operations

Online Fuel Consumption
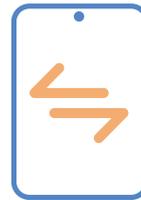Instantaneous tracking of fuel usage for accurate insights and control

Mileage and Engine Hours
Efficiently capture mileage and engine hours for optimal fleet oversight

Fuel Level Monitoring
Keep track of fuel levels in real-time for efficient fleet management

Large Transaction History
Extensive memory capacity for comprehensive transaction records

Fuel Reconciliation
Ensure accurate reconciliation between received and dispensed fuel

Rugged design
Designed to withstand harsh conditions for reliable performance

Vehicle & Driver Identification
Simplify vehicle and driver identification for enhanced efficiency

VIOTYS

Authorization

The fleet manager synchronizes the tags of vehicles and drivers authorized to refuel cars. Various authorization methods include:

- Entering a pin-code on the keypad

- Using an Emarin/Mifare card with a pin code

- Utilizing an iButton tag with a pin code

- Scanning a QR code for authorization

- Reading RFID vehicle tags with a nozzle reader

- Remote authorization from the server or mobile APP

Additionally, users can input the Vehicle ID, vehicle odometer, engine hours, and project ID on the keyboard.

The system also supports Two-Factor authorization, requiring identification of the vehicle first and then the driver.
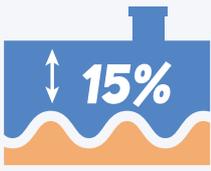
How it works?

The level of fuel in the tank and data on its dispensing are continuously transmitted to the server via GSM or Wi-Fi. Managers oversee transactions, set fuel limits, and synchronize data on vehicles whose drivers have the right to refuel.

In case of a server connection failure, the system automatically switches to offline mode, saving all transactions in the controller's memory. The controller always stores the last 20,000 transactions.

We control

The fuel station automation system provides fuel dispensing by several parameters.

15%

Tank fuel level
Online tank fuel level gauging and events monitoring

Transactions
Each fuel delivery events with detailed data

Locations
The location of the station in case if its not static object

JPEG images
Photo recording of the facts of fuel supply

Fuel Tank level gauging

The system continuously monitors the real-time levels of fuel, including gauge levels, density, temperature, and mass. This information allows you to easily track the amount of fuel dispensed, delivered, and drained.

In case the fuel in the tank reaches the minimum level, the system automatically sends a notification to the operator.
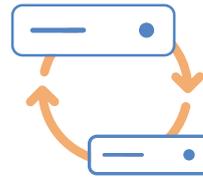
It is possible to restrict fuel process in the controller settings when the level reaches the minimum threshold.

Advantages of the fuel delivery system

Cloud Based
Data stored in the cloud can be accessed from anywhere

Integration SDK
We provide SDK to integrate with third-party platforms

Tag Assignment
Sync all tags and limits from server for streamlined management
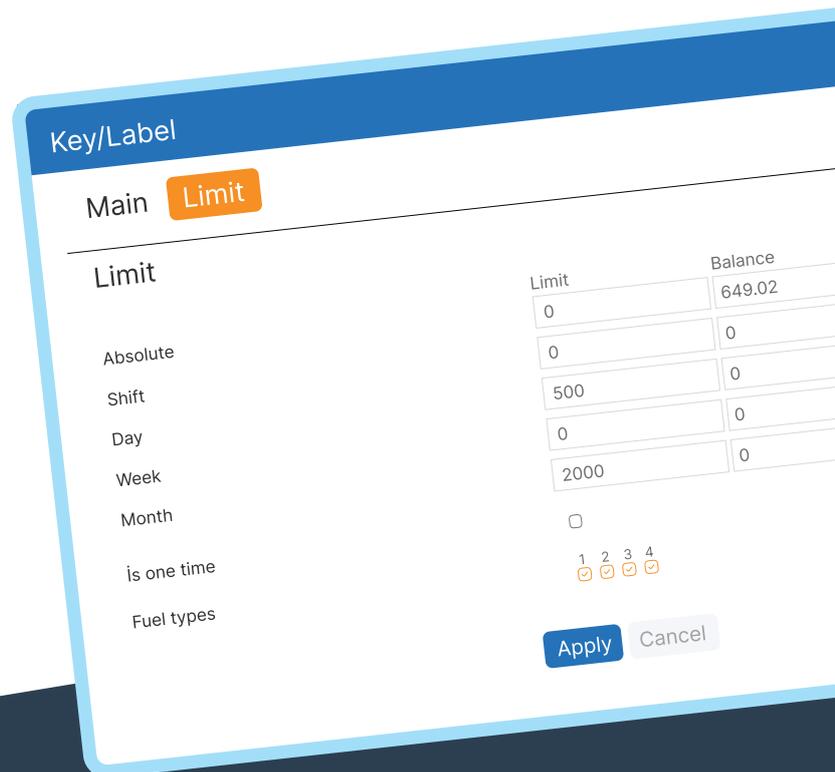
API for developers
Integrate with third-party systems using REST JSON API

Limits & fuel types

The server records the fuel limits and the fuel type allowed for each specific vehicle. If the car must be filled with gasoline, the driver will not be able to get diesel fuel at the gas station.

For each recipient, you can assign absolute, shift, daily, weekly or monthly limits. The limits work online, and after the fuel is dispensed, the limits are simultaneously updated in all other gas stations and tankers.

In addition, disposable cards are also supported, which after receiving fuel will be automatically deleted from the controller's memory.

Key/Label

Main **Limit**

Limit

	Limit	Balance
	0	649.02
Absolute	0	0
Shift	500	0
Day	0	0
Week	2000	0
Month		
is one time	☐	
	1 2 3 4	
Fuel types		

Apply   Cancel

STATION **REFUEL** SOLUTION