# VIOTYS

# MOBILE BOWSER
# FUEL MANAGEMENT

**FUEL MANAGEMENT CONTROLLER GT-9**

VIOTYS
viotys.com

1. ATTACH THE CARD
2. ENTER THE PUMP# (OK)
3. ENTER THE LIMIT (OK)
4. START REFUELING

CARD READER

⚠ HIGH VOLTAGE
Authorized personnel only!

⚠ For an EMERGENCY STOP
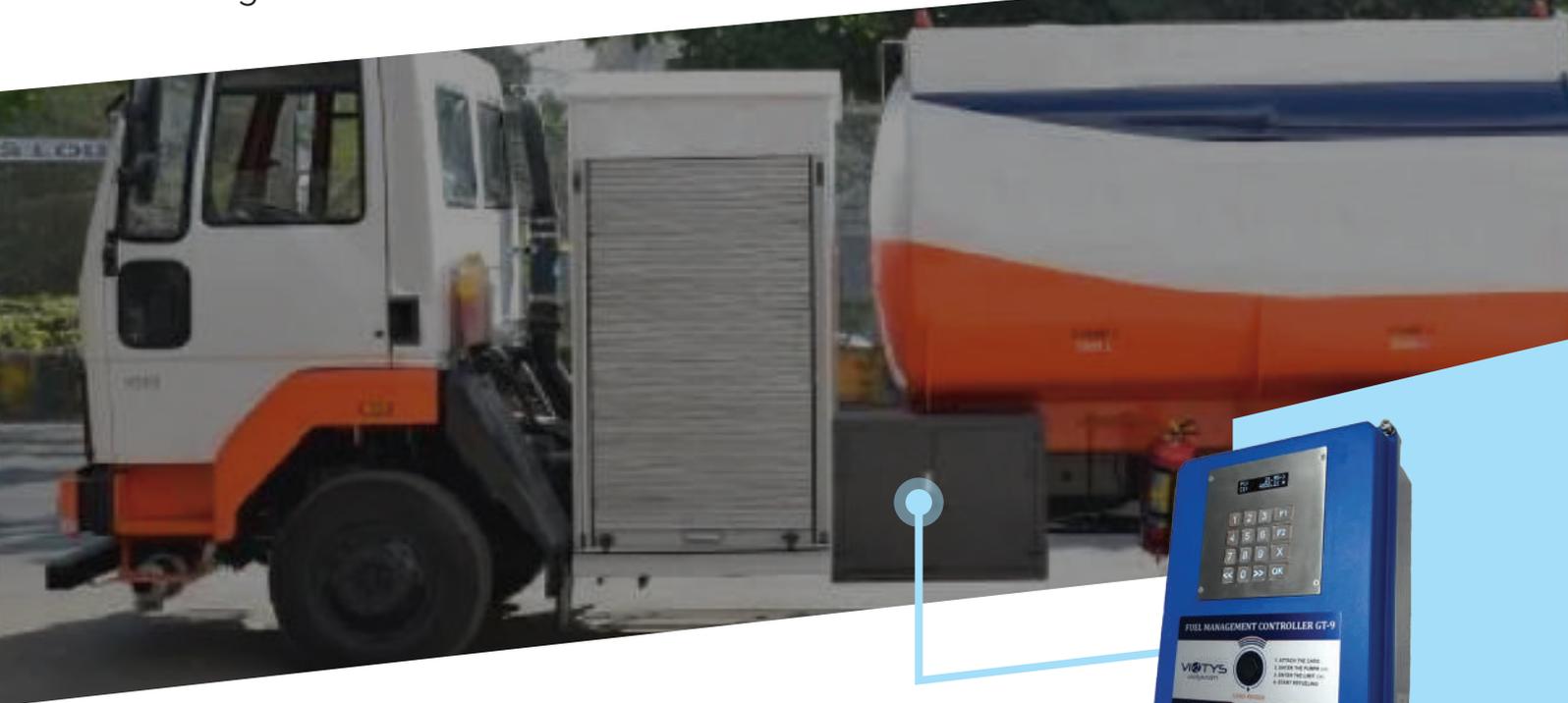Press the "X" button 3 times

## 35 %
**Fuel Economy Boost**

We offer a modern system for automating the process of dispensing fuel on mobile bowsers and monitoring fuel logistics for fleet managers. The system allows online monitoring and control of fuel consumption and distribution.

VIOTYS provides controlling the fuel level in tanker, dispensing fuel only to authorized drivers, assigning limits, preventing underfilling and draining of fuel.

# Cloud communication

Viotys fuel controller communicates with the server through various methods tailored to user configuration, ensuring flexibility and reliability
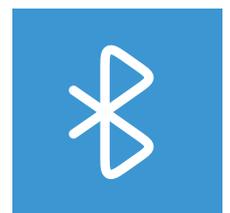
**4G** LTE

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
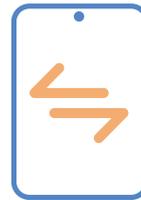Instantaneous tracking of fuel usage for accurate insights and control

### 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

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# 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 mobile bowser location, fuel level and dispensing data are continuously transmitted to the server via GSM or Wi-Fi. The managers controls the transactions, manage the fuel limits, sync the 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 10,000 transactions.

## We control

The fuel mobile tanker truck automation system provides fuel dispensing by several parameters

**Tank fuel level**
65%
The volume of fuel in the tank of a mobile tanker

**Transactions**
Each fuel delivery events with detailed data

**Locations**
The location of the tanker and its routes

**JPEG images**
Photo recording of the facts of fuel supply

## Mobile 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.
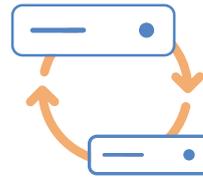
It is possible to restrict fuel process in the controller settings when the level reaches the minimum threshold.

# 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
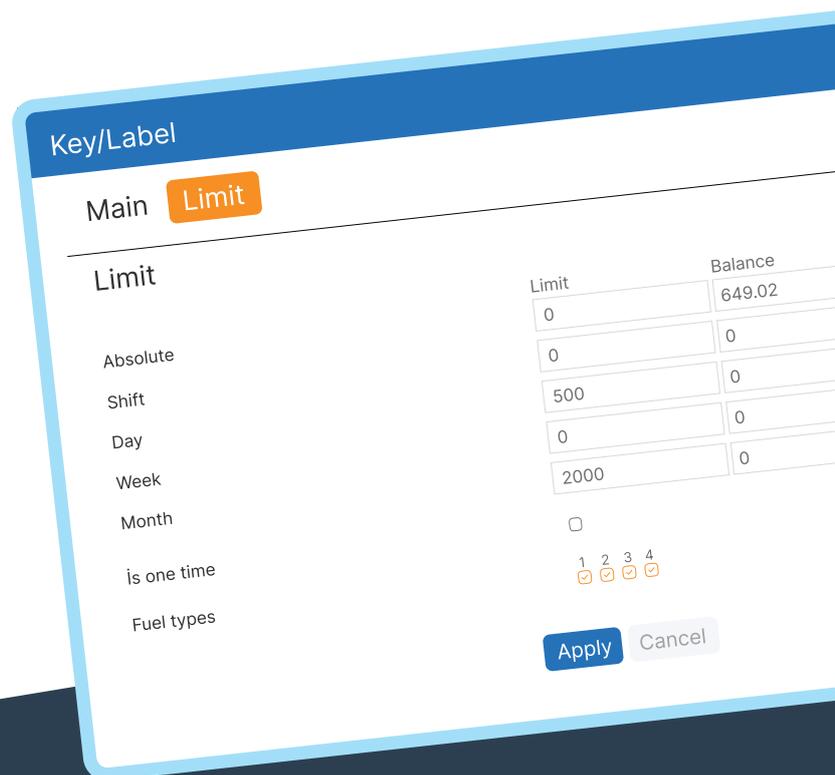
### API for developers
Integrate with third-party systems using REST JSON API

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

**Apply** Cancel

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