GateX

Fuel-EYE

1 Features

2 Peripherals

3 Workflow

Multipurpose Presentation

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GateX Fuel-EYE is the most versatile Fuel Control System on the market. Fuel-EYE can connect your dispensers, mobile tankers, stationary flow meters and level transmitters to GateX Cloud for online monitoring and control.

Fuel-EYE is designed and developed for Construction Sector and Fuel Suppliers to monitor fuel distribution and fleet refueling in remote areas and harsh environment.

Fuel-EYE is an Embedded Computer with no limitations of any kind, millions of transactions can be stored in its internal memory and uploaded upon network availability.

With Fuel-EYE, you can offer sub-accounts to your divisions and end-users to check their fuel transactions for billing purposes and fast payments.

Fueling is only authorized for the authenticated assets whose details are already uploaded to your Gatex account.

Fuel-EYE is the only bi-directional fuel control system which can utilize a single flow meter for both IN and OUT transactions while operating the pumps and solenoid valves automatically to avoid any human intervention.

Fuel-EYE's wireless nozzle reader identifies the vehicles automatically and provides you with full control on the fueling process via three levels of authentication.

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Fuel-EYE authenticates drivers, operators and vehicles and logs below details at the time of fueling:

Driver's name
Operator's name Vehicle plate number Vehicle odometer
Project code
Volume of transaction
Transaction start and end time Tanker or Meter ID

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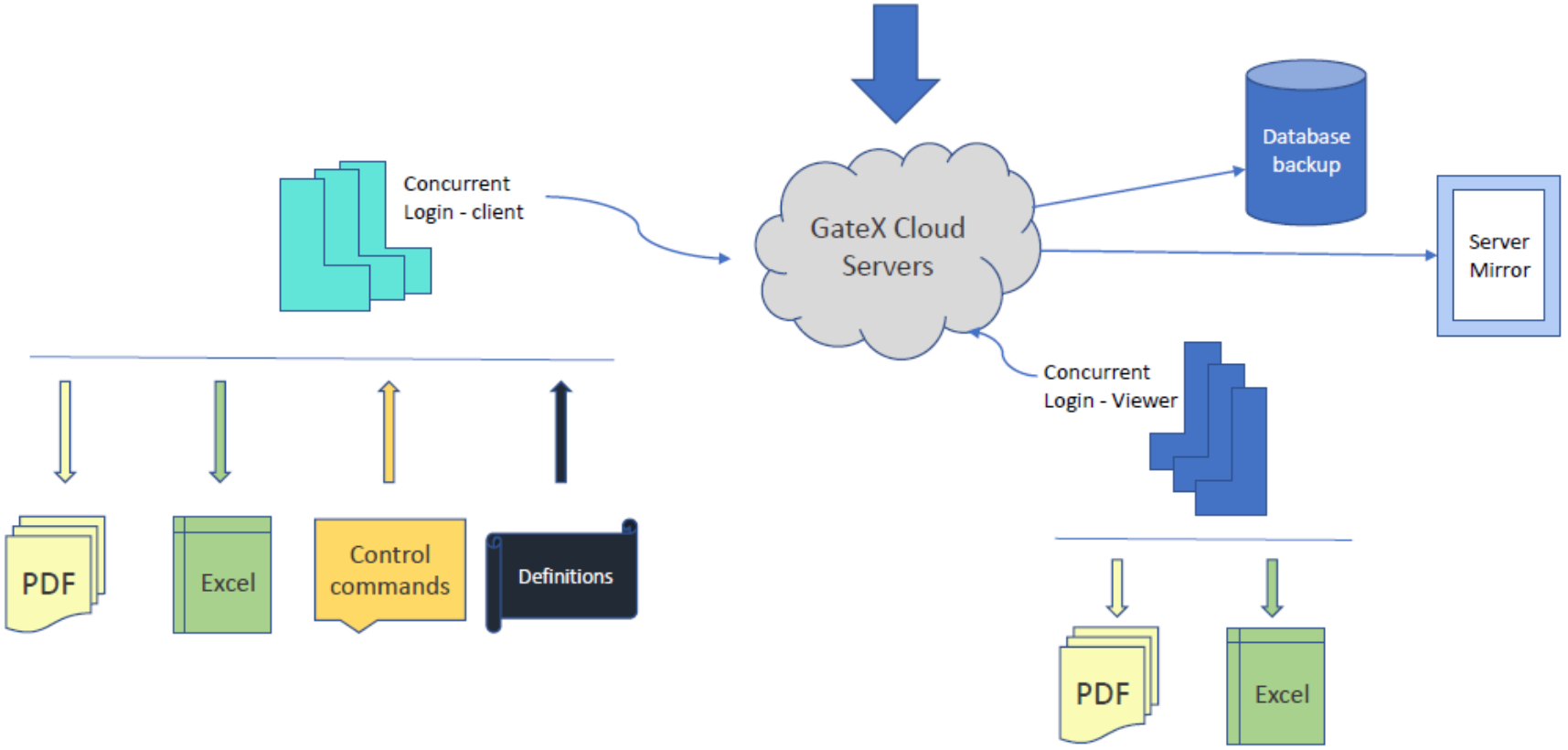
GateX Fuel-EYE Data Storage Diagram

Each Xi3 has a copy of the captured transactions forever

Transactions are uploaded to GateX Cloud upon event completion

If poor connectivity, left transactions will be re-uploaded automatically

Each Xi3 assigns a unique ID to each transaction as a control mechanism



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Operator and Driver Tags

Blue tags for your Fuel Operators and Drivers

Your personnel use their tags to operate the pumps.
Fuel-EYE authenticates them and logs their names.

Yellow tag is the master tag which can be used
for the rented vehicles or equipment; wherever there is no
RFID Chip on the vehicle for automatic identification.

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Vehicle/Asset Tags

Robust design for industrial applications covers heavy and light vehicles and construction equipment

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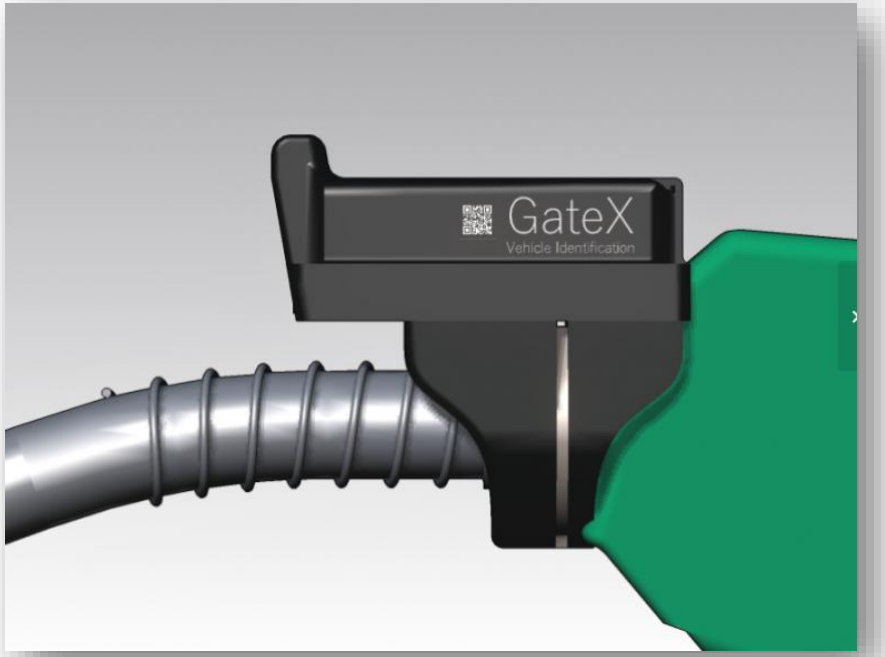
Nozzle Reader

GateX wireless Nozzle Reader installed on the fuel gun detects the vehicle tags and transmits Its ID to the Fuel-EYE for authentication.

If a vehicle/asset has no tag, such as rented equipment, the fueling can be done using the Master Tag and entering its plate number on the system.

Fueling will be authorized for the vehicles that their details are pre-uploaded to your GateX dashboard.



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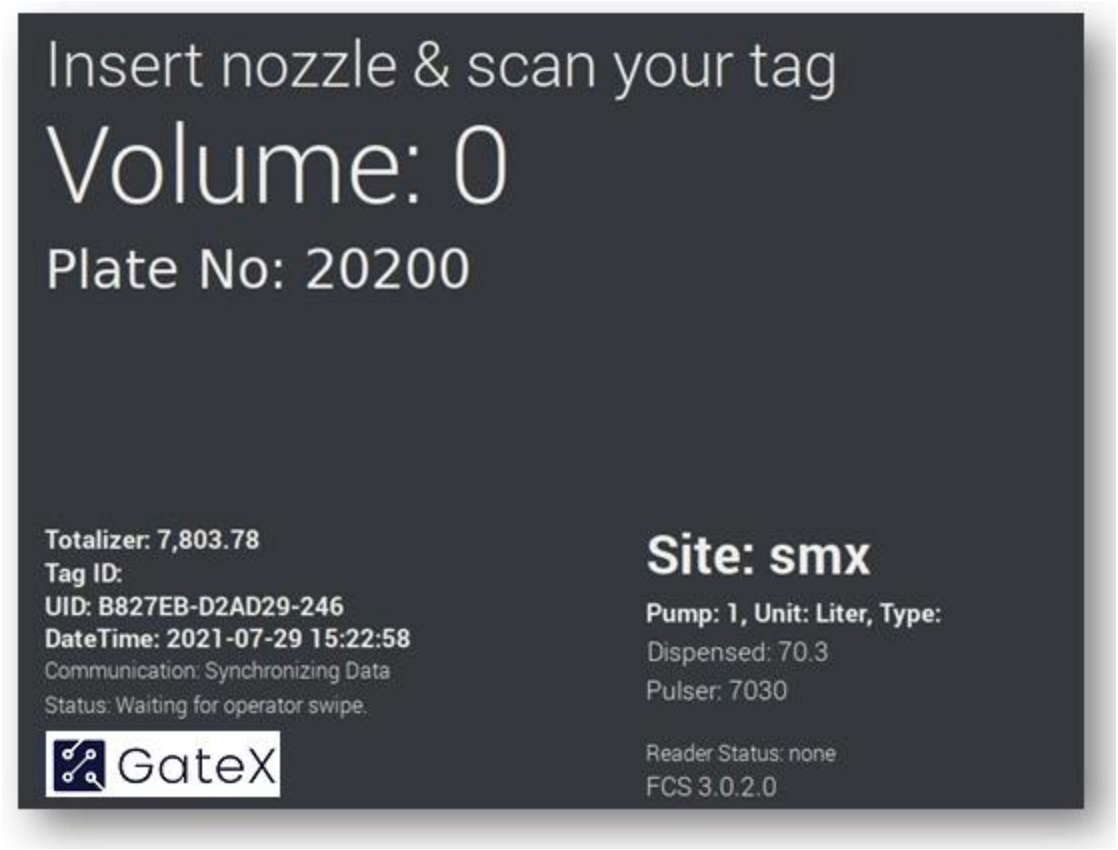
Workflow



THE SYSTEM IS WAITING FOR AN OPERATOR TAG FOLLOWED BY A VEHICLE RFID TAG TO BE DETECTED

Or

THE YELLOW TAG TO BE SWIPED

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AFTER YELLOWTAG OR VEHICLE TAG DETECTON,

THE SYSTEM IS ASKING FOR THE OPERATOR TAG

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ENTER THE PROJECT NUMBER
PROJECTS ARE YOUR EXPENSE CETNERS

This entry is optional and can be disabled from the system settings

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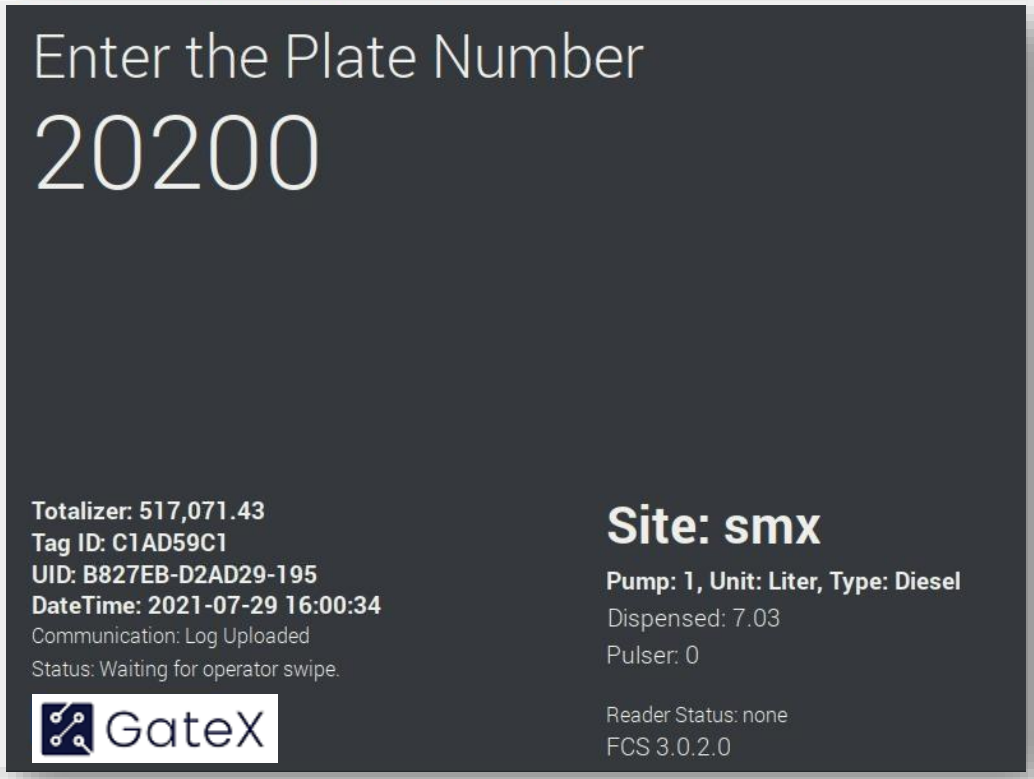

IF YELLOW TAG IS SWIPED:

THE SYSTEM WIL ASK YOU TO ENTER THE PLATE NUMBER MANUALLY

IF THE PLATE NUMBER IS IN THE SYSTEM, THE PUMP WILL START

This window won't appear for the vehicles or assets with an identification chip

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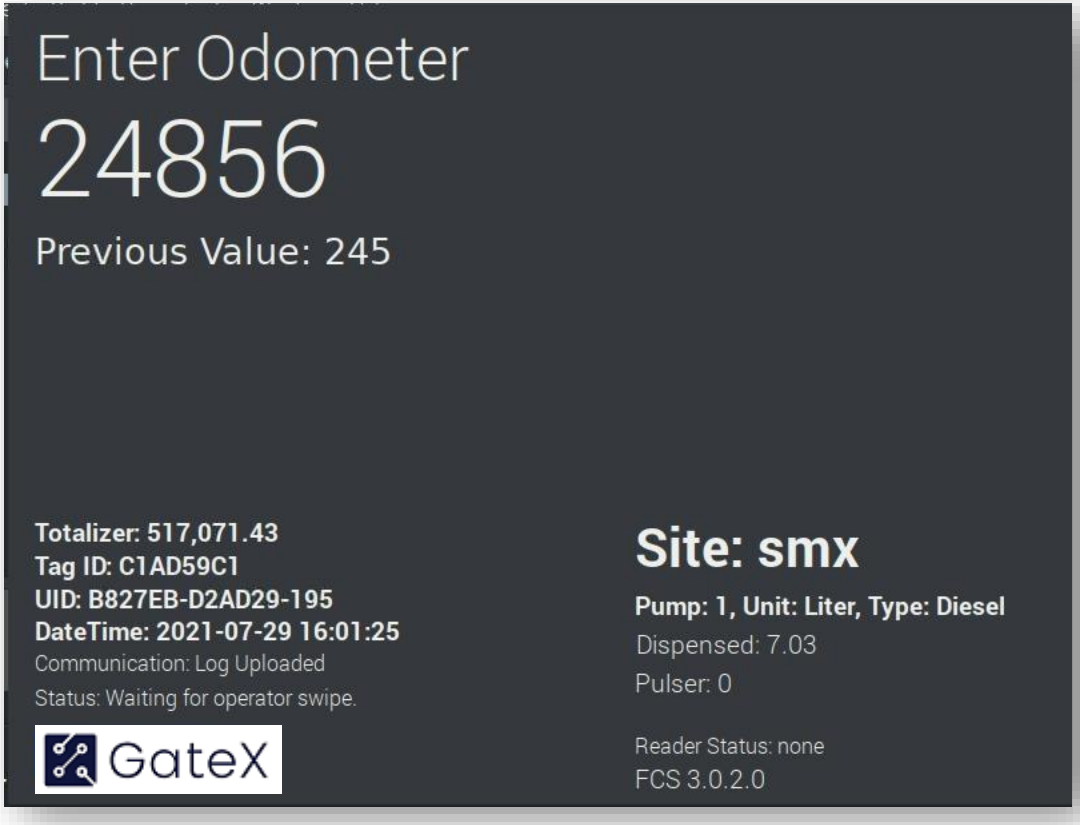

THE ODOMETER NEEDS TO BE MORE THAN OR EQUAL TO THE PREVIOUS VALUE

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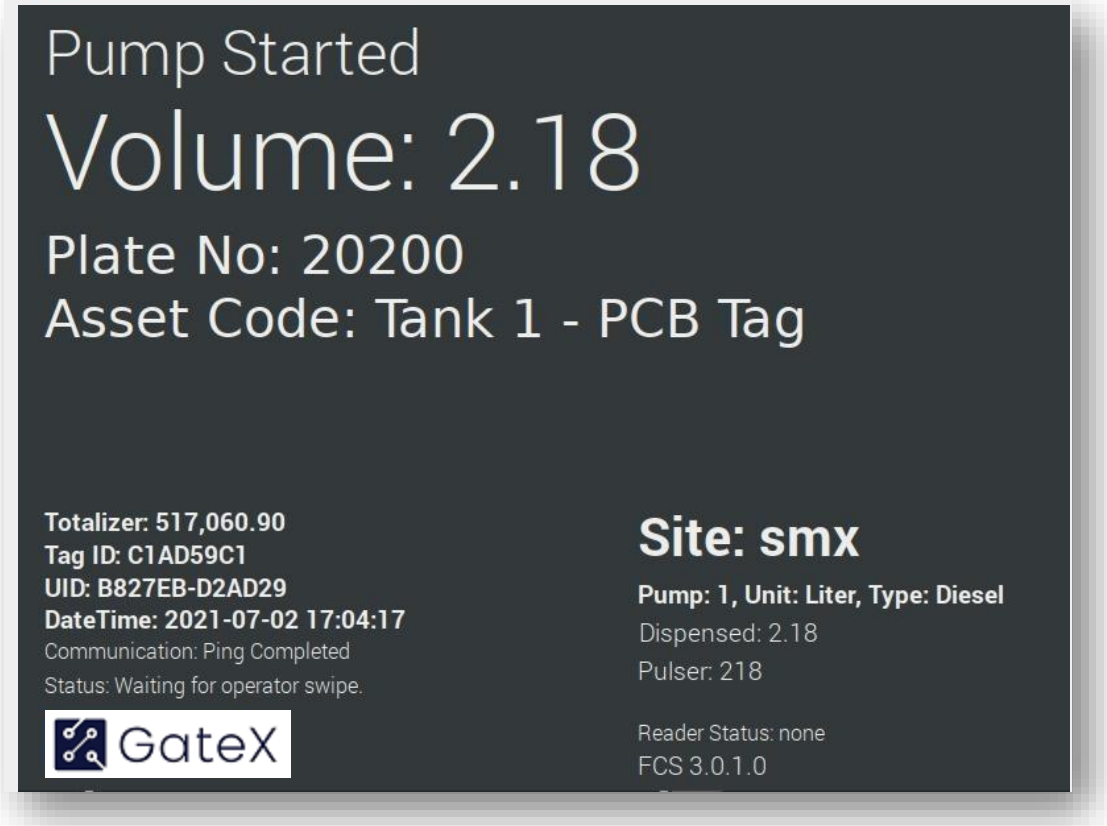

PUMP STARTS AND THE TAG AND THE FLOW ARE MONITORED CONTINUOUSLY

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CAUTION
KEEP DISTANCE DIESEL TANKER
Scan your master tag
Volume: 4845.37
Amount: 10,756.72
Price: 2.22
Plate No: 2855
Site: Techno*

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