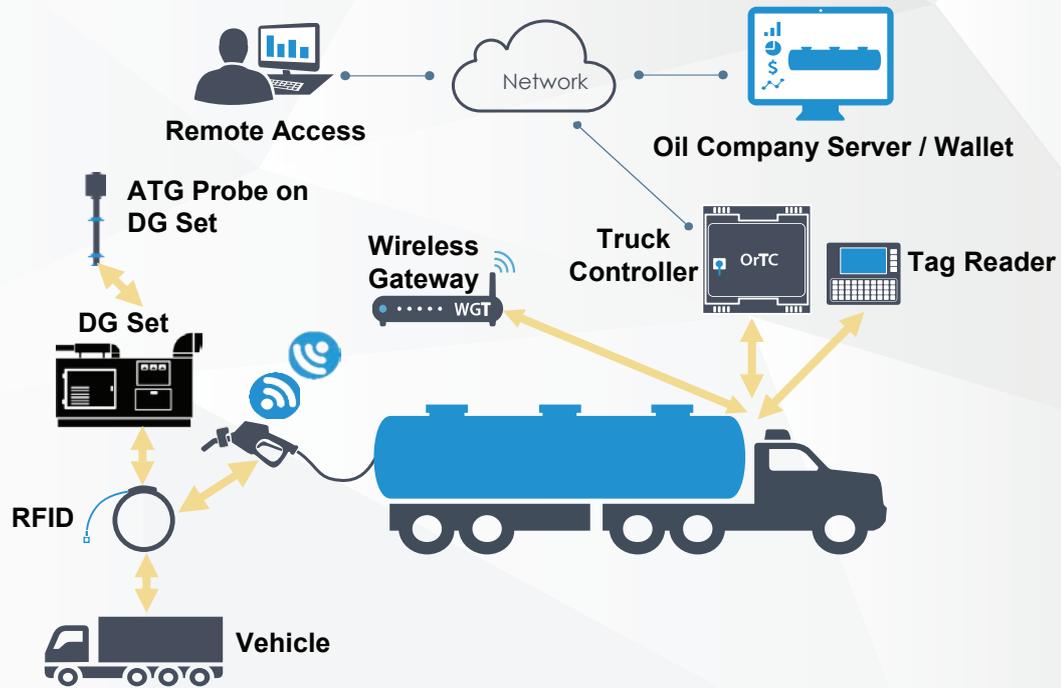


# Bowser Automation

Product Line - India

# Bowser Automation

## ► Solution Overview



## ► Benefits

- Reduces fuel and operational costs, losses, and ensures optimal fuel distribution.
- Comprehensive fuel management through RFID solution.
- Automated operations with real-time insight on bowser status.
- Complete control of fuel usage while reducing fuel expenses, misuse, and losses.
- Reduced almost 3% of fuel theft by automation.
- Reduced almost 1% of fuel spillage and overdelivered.

## ► Comparison

Non-Automated	Automated
• Manual stock and sales reconciliation.	• Automatic reconciliation on a single click.
• Manual stock and sales reconciliation	• Scheduled price changes without human intervention.
• Manually take the stock and sales insights.	• Real time insights at any given point of time.
• Involves huge/ hard efforts to calculate daily/ weekly/ monthly sales.	• Easily available on a single click thus avoiding human errors.
• Fueling happens at any location which involves cheatings and frauds with the end user.	• Fueling happens at defined location and to defined customers.

# Bowser Automation Components

## ► Forecourt Controller

- Mobile fleet fueling controller designed for installation on fuel tanker trucks.
- Housed in ruggedized box for harsh conditions and extreme temperatures.
- The unit controls, monitor and stores on the spot refueling data.
- It can be integrated with oil company servers.
- Reduced almost 1% of fuel spillage and overdelivered.



## ► Digital Flowmeter (DFM) or Mobile Dispensing Unit (MDU)

- GVR- EMR 4 Flow Meter
- Two RS-232 Communication Ports for easy access
- Money and Volume Preset Deliveries
- Integrated with Orpak Automation

## ► Wireless Gateway Terminal

- WGT is Orpak AVI's key building block that covers the entire bowser unit.
- This creates a robust & reliable network that covers the entire automation equipment's installed on bowser to ensure all messages reaches their destination, bypassing any possible physical interference or frequency jamming.



## ► Nozzle Reader

- 3.6 V DC operated with inbuilt battery.
- IP67, PESO, ATEX Certified
- Dual Frequency self contained RF Transceiver
- Battery life 2-3 years, field replaceable
- Effective removal protection/ Tamper Detect

## ► Vehicle RFID Unit (NanOpass)

- An RFID device is installed near fuel inlet
- Include secure payment data
- Removal protection Mechanism
- Passive Device- No Power needed
- Easy to install, fits any vehicle



# Browser Automation Components

## ► Orpak TAG READER- ORPay1000

OrPAY1000 is the new cost-effective outdoor payment terminal installed directly onto the dispenser or wall mounted next to it for both attended and unattended activities. The terminal's unique features have been designed to suit both retail and fleet markets as an impeccable pay-at-the-pump solution for fuel card purchases, forecourt promotions, local accounts, loyalty schemes, attendant management, and much more.



## ► Other Components

- Dispensing Unit - GVR Mono Dispensing Unit  
RS-485 Communication Port  
Money and Volume Preset Deliveries  
Integrated with Orpak Automation
- GPS Device - GPS device is securely installed in order to enable geofencing.
- Router with RMS feature at easy and convenient monthly/yearly subscriptions.

## ► MiSite Manager Value Proposition

- MiSite is a cloud-based mobile service, allowing to keep tabs on your business, in real-time, from anywhere.
- Remote visibility and insights to the following features:
  - Optimize Inventory
  - Increase Uptime
  - Reduce Maintenance Cost
  - Track Performance
  - Analyze Trends

### Receive Constant Sales Insights

- Trends and insights on fuel and dry forecourt sales:
  - Hourly and daily average calculation per day of week
  - Trends for different periods for easy performance analysis
  - Drill-down per wet product
  - No & Low daily sales vs. avg alerts
- Supervise and gain insight on performance to quickly pinpoint trends and respond on time.

### Optimize Wet Inventory

- Stock management, including:
  - Days left calculation based on sales trends (per tank and product)
  - Daily gain / loss per product
  - Low stock notifications
  - Real time tank status
  - Tank history volumes
- Keep tight track of your wet inventory, significantly reduce out-of-stock and theft.

### Real Time Remote Visibility

- Push notifications on a wide range potential issues, including ATG alerts, updated equipment status and alarms, and immediate fuel price change updates.
- Receive pro-actively alerts, and take the timely, data-driven decisions.
- Increase uptime & reduce maintenance costs with advance notice of potential issues.

