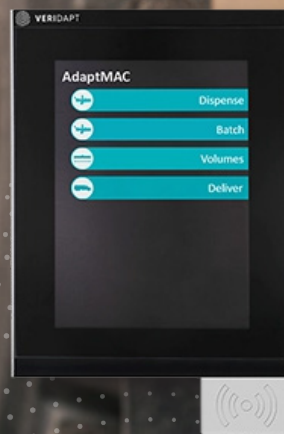




THE **INTELLIGENT CORE** OF YOUR FUEL INFRASTRUCTURE

Smart, Scalable Fuel Management Systems



www.orcafuels.co.za

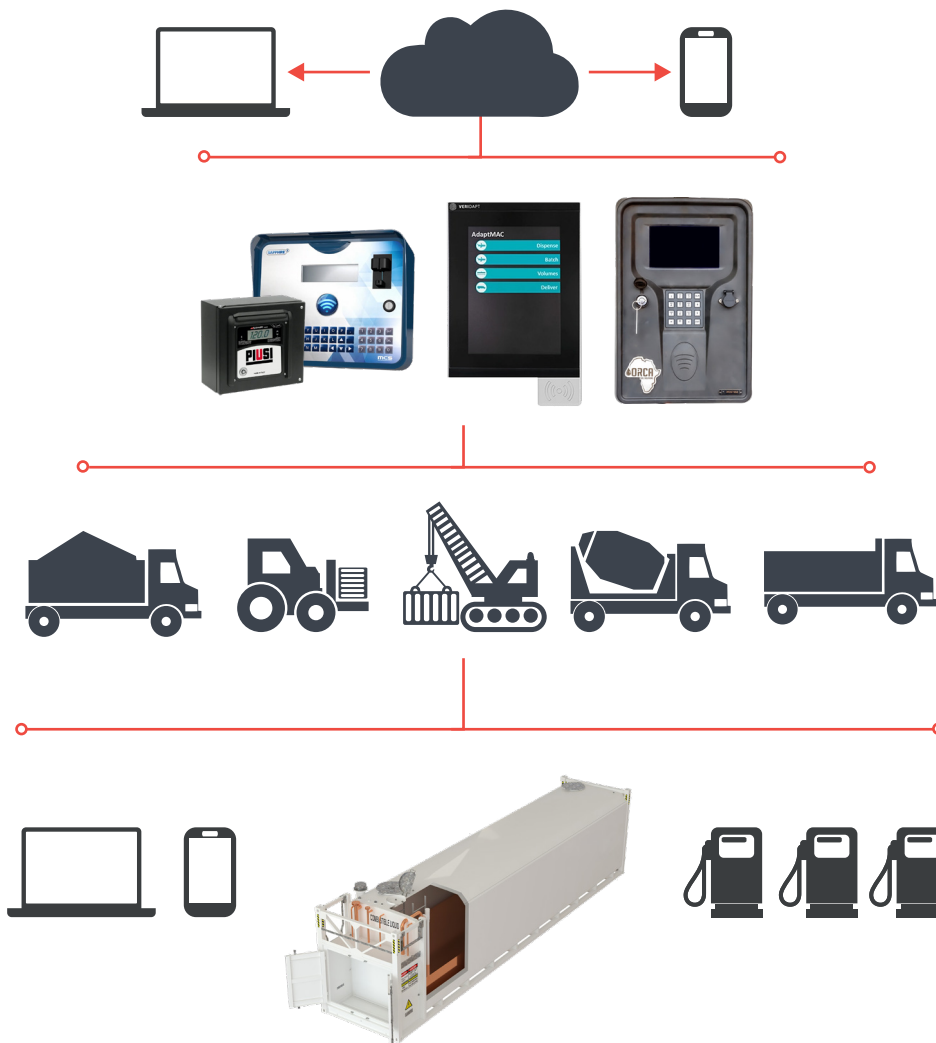
| FMS SYSTEMS

TOTAL FUEL CONTROL

Smart Fuel: Precision-Driven Excellence

At Orca, we are the technical experts in fuel monitoring and specialists in fuel management, dedicated to delivering tailored customer solutions that optimize your operations.

Our in-house design, programming, and development teams ensure that every system is engineered to the highest standards, providing the flexibility to meet diverse industrial needs through a range of integrated solutions. By combining advanced technology with our industry-leading expertise, we empower your business to track and secure every drop with absolute confidence.



Partnering with

SmartFill

MCS

VERIDAPT

PLUS

- Cloud-based Technology.
- Track every drop.
- Real-time notifications.
- One platform.
- Multiple sites.
- Accurate custom reporting.
- Quick, & easy installation.
- Optimal fuel security.
- Trusted partners.

FUEL MANAGEMENT SYSTEMS

At **Orca Fuel Solutions**, we provide precision-engineered, scalable fuel management systems designed for peak operational efficiency. Our solutions are structured into three sophisticated tiers, each fully customizable to meet the rigorous infrastructure and security demands of your specific project.



| Orca SMART Lite

Cost-effective fuel & fleet management

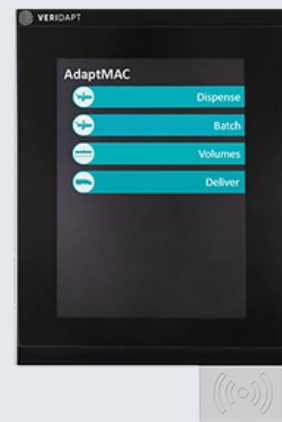
- Track fuel by vehicle/driver.
- Multi Pump System.
- Secure contactless technology.
- Live updates of stock at multiple sites.



| Orca SMART Pro

Robust fuel & fleet management

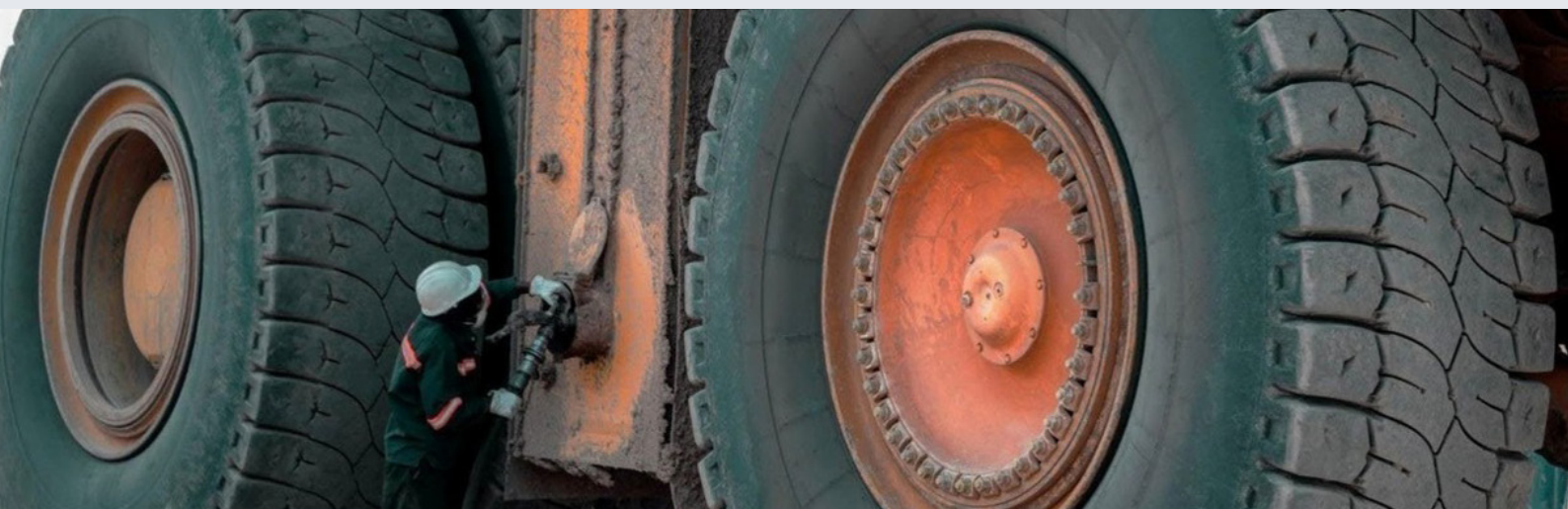
- Cloud-based technology.
- Plug & play modules for easy setup.
- Manage transactions between drivers, fleets, tanks and fuel deliveries.
- Real-time transaction/data availability.
- Track & restrict usage by volume per vehicle/driver.
- Monitor up to 8 pumps.



| Orca SMART Elite

Advanced fuel & fleet management

- Realtime, unprecedented visibility & reconciliation of fuel data.
- Modular design for rapid installation.
- Monitor up to 16 tanks & 8 pump units.
- Record unlimited transactions.
- Fleet, asset & cost-efficiency through vehicle/driver tracking & stock reporting.
- Tax compliance reporting & rebate maximisation.



SMART FUEL MANAGEMENT

The **MCS Sapphire** represents the next generation of fuel and fluid management technology. As part of the Orca Smart Fuel ecosystem, it provides a scalable, real-time solution to safeguard your tank stock and gain total awareness of every liter consumed.

FEATURE

DETAILS

Users	Unlimited user access via tags or access pins.
Transactions	Over 20,000 transactions saved to cloud.
Management	Real time with live tracking every 1-2 minutes.
Storage	Up to 7-year cloud storage before being archived.
Monitoring	24 Hour live monitoring of tanks, users, & transactions.
Compatibility	Monitors up to 4 tanks & 4 pumps.
Integration	Basic API integration into any accounting system.



Key Capabilities

- ✓ **Total Control:** Monitor every liter dispensed in real-time and improve fleet-wide fuel efficiency.
- ✓ **Flexible Access:** Authenticate users via fuel cards, magnetic stripe cards, keys, fobs, contactless devices, or 4-digit PINs.
- ✓ **Universal Compatibility:** Compatible with all major pump suppliers and capable of integrating any fuel card globally.
- ✓ **Ruggedized Engineering:** Tested to operate in extreme environments ranging from -40°C to +50°C.

Cloud Software

Sapphire+ Terminal:

MID-approved for weights and measures, making it suitable for resale to subcontractors and local accounts.

Sapphire Mobile:

Designed for browsers and service vehicles to manage refueling away from static sites. Features include vibration protection and "Smart-hibernation" to preserve vehicle battery power.



Monitor every litre dispensed in real time.



Gain insight into fleet-wide fuel efficiency.



Prevent losses & safeguard your tank stock.



Evaluate & Improve driver Fuelling Behaviour.



SMART FUEL MANAGEMENT

The **B.SMART** is Piusi's electronic control panel for fuel and fluid installations. It brings any AC or DC pump, pulse meter, nozzle and tank level switch onto the **B.SMART** Cloud, giving you real-time transaction visibility without installing a single line of software on site

FEATURE

DETAILS

Users

Driver access add-on included, up to 10 access codes, tags or fobs per unit.

Transactions

Up to 500 transactions stored on-board before upload.

Management

Controls AC/DC pumps, pulse meter litre counters, nozzles & tank level switches from one panel.

Storage

Standard or compact enclosure: 260×240×170mm or 300×300×180mm, from 2.3kg.

Monitoring

Real-time monitoring via B.SMART Cloud software and mobile app, no PC required.

Compatibility

Any fluid type, diesel, biodiesel, AdBlue, oil, water, kerosene, grease & more.

Integration

Bluetooth connection with B.SMART Cloud included as standard on every unit.



Key Capabilities

- ✓ **Total Control:** monitor every pump, pulser, nozzle and level switch from a single panel, in real time.
- ✓ **Flexible Access:** driver access add-on ships standard, with up to 10 tags, fobs or PIN codes per unit.
- ✓ **Universal Compatibility:** works with any AC or DC pump, and any fluid, diesel, biodiesel, AdBlue, oil, water, kerosene and more.
- ✓ **Cloud Simplicity:** no PC or server needed, B.SMART runs in the cloud, with a compact version for confined-space installs.

Cloud Software

B.SMART Standard:

Full-size control panel for new installations or upgrading existing plants. Available in 100–240V AC or 12/24V DC, with an optional 2-pump output.

B.SMART Compact:

The same B.SMART cloud intelligence in a smaller enclosure, purpose-built for confined-space installations and tight retrofits.



Monitor every litre dispensed in real time.



Track pump, pulser & nozzle status remotely.



Prevent losses with tank level switch alerts.



Manage access & activity via the B.SMART app.

SMART FUEL MANAGEMENT

The **SmartFill Gen 3** is a smart, scalable, and highly reliable turnkey fuel management solution. Engineered for absolute ease of use and professional trust, it allows businesses to store, track, and optimize fuel usage for peak efficiency in any environment.

FEATURE

DETAILS

Users	Unlimited user access via tags, key cards or access pins.
Transactions	Unlimited transactions saved to cloud.
Management	Real time with live tracking every 5-10 seconds.
Storage	Unlimited cloud storage with encrypted data.
Monitoring	24HR live monitoring of tanks, users, nozzles, & transactions.
Compatibility	Monitor any type of tank, size & pump system.
Integration	Advance API integration into any accounting system.



Key Capabilities

- ✓ **Secure Access:** Authorize transactions using RFID tags, proximity cards, or unique 4-digit PINs to mitigate fuel theft.
- ✓ **Mandatory Data Capture:** Automatically prompts drivers for vehicle IDs, odometer readings, or hour meters before dispensing fuel.
- ✓ **Total Awareness:** Gain 24/7 visibility of every liter delivered, pumped, and consumed.
- ✓ **Inventory Security:** Set automatic re-order levels to notify fleet managers and suppliers when reserves are low.

Intelligence & Reporting

Centralized

Reporting: Manage multiple depot stocks and remote sites from a single screen

Customizable

Exports: Generate reports in PDF, Excel, or CSV formats to track activity.

Behavioral

Analysis: Evaluate driver fueling behavior to identify & reduce waste.



Available online access for your data.



No PC software needed.



Cloud based login portal.



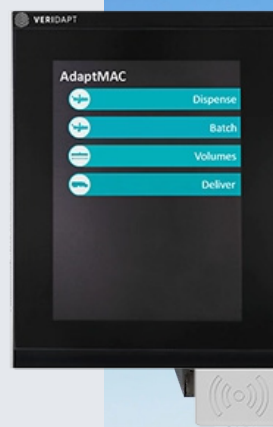
SMART FUEL MANAGEMENT

The **Veridapt AdaptMAC** is the pinnacle of our fuel management offerings, engineered for high-volume industrial environments where total control and security are non-negotiable. As a leader in smart, scalable turnkey solutions, Orca utilizes Veridapt technology to provide absolute visibility over your fuel supply chain.

FEATURE

DETAILS

Users	Unlimited user access via tags, key cards or access pins.
Transactions	Unlimited transactions saved to cloud.
Management	Real time with live tracking every 3~5 seconds.
Storage	Unlimited cloud storage with encrypted data.
Monitoring	24HR live monitoring of tanks, users, nozzles, & transactions.
Compatibility	Monitors any type of tank, size & pump system.
Integration	Advance API integration into any accounting system.



Key Capabilities

- ✓ **Full Turnkey Security:** Authorize transactions through RFID tags, HID cards, or secure biometric integration to eliminate fuel theft.
- ✓ **Detailed Asset Tracking:** Automatically prompts for mandatory inputs such as Odometer/Hourmeter readings and specific Job codes.
- ✓ **Precision Metering:** Integrates with high-accuracy flow meters to monitor every liter dispensed, pumped, and consumed.
- ✓ **Automated Inventory:** Real-time tank gauging allows the system to monitor stock levels and automatically notify suppliers.

Strategic Data Reporting

Centralized Management:

Track multiple remote sites & on-road transactions through a secure web portal.

Comprehensive Analytics:

Generate executive reports in over 50 formats (PDF, Excel, CSV).

Inventory Reconciliation:

Identify and mitigate fuel losses immediately.



Streamlined operations.



Real-time reconciliation.



Greater cost savings.



Accurate emissions reporting.





AFRICA'S LEADER IN FUEL MANAGEMENT SYSTEMS



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CONTACT US TODAY for your next FUEL MANAGEMENT SOLUTION!