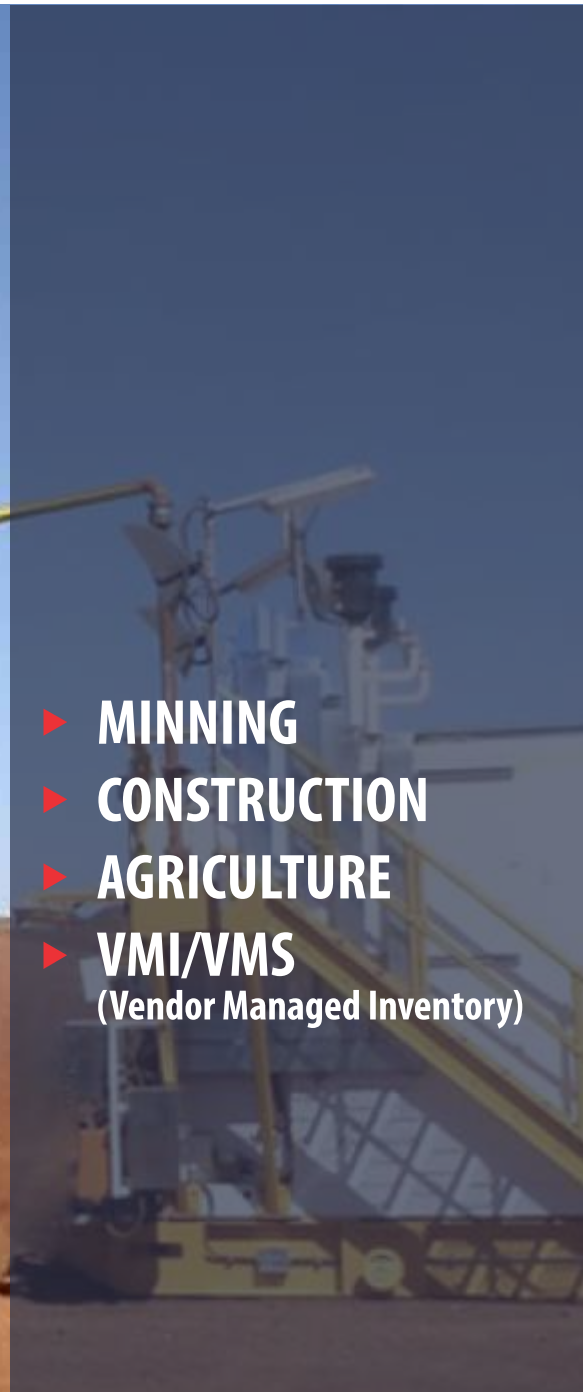


INDUSTRIAL HEAVY DUTY FUELLING SOLUTIONS



- ▶ **MINNING**
- ▶ **CONSTRUCTION**
- ▶ **AGRICULTURE**
- ▶ **VMI/VMS**
(Vendor Managed Inventory)



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DIESEL STORAGE

Stationary Tanks

- Built for rugged industrial use
- Various sizes/shapes/capacity
- Customizable
- Calibrated for accuracy
- Multiple sockets on tank for dipping, tank gauge and any future fittings



Petrol/Diesel Filling Stations

- Bund walls
- Electrical panels
- Receiving Pumps, dispensing pumps, piping
- Calibration
- Customizable to fit operations/application

Containerized Tank Packages

- Various capacities, ranging from 1,000L to 110,000L
- Can be relocated easily and will maintain integrity
- Can include pumps, meters, filters depending on operational requirements
- Can be customized per client requirements
- Secure, lockable
- Rugged, industrial quality



PUMPING SOLUTIONS

For industrial applications, pumps must be of good quality, must match the application and produce the required flow rates

Dispensing pumps

- Flow rates from 40LPM to 100LPM
- High flow
- High level of security
- Rugged, accurate and dependable meter



Red Jacket Submersible Pump

- Various configurations from $\frac{3}{4}$ HP to 2HP
- Can be used to achieve flow rates of more than 300LPM in very challenging conditions. High flow and ultra high flow
- Can be used in conjunction with dispensers or with a flow meter



Self priming positive displacement Pumps

- Can be used to dispense or for offloading trucks into tanks
- High flow and Ultra high flow applications. Flow rates from 150LPM up to 1000LPM
- Industrial grade
- Includes Electric Motor and Vane Pump in assembly
- Mostly 3 phase power. Lower flow rates up to 300LPM available in single phase.



MOBILE BOWSER SOLUTIONS

Services include customization, adaptation, maintenance and complete installations of pumps, meters, filters, hose reels and nozzles.

Mobile Dispenser Skid installation

- Very useful for fueling remote locations and equipment in operation
- Rear skid, towable skid or truck mounted equipment
- Can be used as a stationary fueling point for high flow applications
- Rugged, accurate and dependable



Mobile Bowser equipment upgrade or customization



- Mobile bowzers are not always adequately equipped for industrial applications. Smartflow can upgrade existing trucks with the right equipment
- Any size, small peddler truck to large tanker trucks

Industrial Hose Reels and Nozzles

- Hose reel can be mounted on mobile bowser trucks or tanker trucks
- Hose reel can be connected to a dispensing pump to extend the fueling range
- 1 inch to 3 inch hose sizes
- Nozzles from ¾ inch to 2 inches



FLOW METERS

Accuracy of volumes dispensed or received is very important in Industrial installations considering the volumes of transaction.

- Custody transfer options
- ½ inch to 4 inch available
- Mechanical, electronic, pulse output
- Preset
- Hundreds of options available
- Installation and Calibration of meters



FILTRATION SYSTEMS

Filters

- For all flow rates and micron sizes
- On skids or as separate units
- 1 inch to 3 inch



LUBRICATION SYSTEMS

Lubrication is extremely important for equipment operations and serviceability. Lubricants are not easy to handle, very expensive and require accurate and efficient dispensing

Trolley Drum or mobile plastic tank mount packages

- Gear Oil, Hydraulic Oil, Synthetic Motor Oil, ATF, Grease
- Hose reel
- Preset nozzle
- Trolley
- Pneumatic or Electric (battery)



Stationary tank System

- Full piping and installation
- Multiple dispensing points
- Distance from tank to dispensing points can be more than 300m
- Pressure testing, leak test



Containerized Tank Packages

- Multiple products in one container
- Tanks or drums
- Can be relocated easily and will maintain integrity
- Can include air compressor, pumps, meters, filters depending on operational requirements
- Can be customized per client requirements
- Secure, lockable
- Rugged, industrial quality



Air operated diaphragm (Husky) pump

- Used for lubricant/diesel transfer
- Used oils, diesel or sludge decanting/transfer
- 1 inch to 2.5 inches. Flow rates up to 600LPM
- Rugged, industrial quality



TANK CLEANING SERVICES & SOLUTIONS

Regular cleaning of tanks and pipes is very important to ensure the build up of water and sludge does not get into the equipment and also to protect the tank from corrosion and excessive microbial growth.

Tank Cleaning Services

- Professional and well trained personnel
- Complete product evacuation and tank cleaning
- Water evacuation
- Degreasing
- Man entry (with breathing apparatus) and non-man entry
- Gas monitoring devices



Tank Cleaning Equipment (Sale, Lease & Training)

- High impact jet pressure cleaning – automatic
- Pressure cleaning - manual
- Air operated diaphragm pump to pump out product, sludge and water



TANK CALIBRATION SERVICES

Accuracy of volume in tank is critical. Valid calibration certificates must be in place for any tank in operation.

- DPR approved
- Accurate
- Dry calibration
- Wet calibration
- Dip sticks
- All tank shapes and sizes



MAINTENANCE SERVICES

All installed equipment must be maintained properly to ensure high levels of equipment serviceability, sustainability and efficiency. Smartflow has over 100 well trained personnel dedicated to maintenance with a good geographical spread in 10 different locations around the country.

Preventive Maintenance

- Planned/Scheduled maintenance
- All equipment. Pumps, dispensers, meters, filters, nozzles.
- Guaranteed stock of Spare parts for maintenance
- Maintenance reports



Corrective Maintenance

- Very good response time
- Repairs of all fueling equipment and accessories
- Well stocked with spare parts to attend to urgent calls
- Comprehensive pictorial job reports
- Root cause analysis and recommendations



CONSULTANCY, AUDIT AND PROJECT MANAGEMENT SERVICES

Consultation services in all areas of Fuel Management. Over 30 years combined experience (in Fuel Management) amongst Smartflow's top management team.

Audit. Smartflow is able to audit any fuel system and provide comprehensive report based on its vast experience. Smartflow performs this service for quite a few of the top 50 Nigerian companies including others around Wes Africa

Project Management. There is a team of dedicated Project managers and project planners that are the vital back bone of our project management team and structure. We deliver fuel management projects worth millions of dollars. In our portfolio, we have delivered a project in Nigeria that was worth more that 6 million dollars on time and within budget.

AUTOMATION

Remote monitoring and automation will improve profitability through transparency, real time information and accountability.

ATG (Automatic Tank Gauge)

- All tank shapes and sizes
- All product types
- Consumption, receipt and trends. Reports
- Remote monitoring of live data
- See Smartflow's automation brochure for more information.



FMS (Fuel Management System)

- Dispensers, pumps, flow meters
- All product types
- Consumption, receipt and trends
- Live reports by department, cost center, vehicles
- Remote monitoring of live data
- See Smartflow's automation brochure for more information.



BI (BUSINESS INTELLIGENCE, ANALYTICS & REPORTING)



This solution ensures that the information gathered through the equipment deployed and automation can be put into actionable formats and can be used to drive the business and detect issues as it occurs. This can also be plugged into the operational flow to ensure processes are followed and human errors eradicated. In industrial Fuel operations, it can sometimes take weeks to get a report for a particular week or for Management's use, with this in place reports are instant and fluid. In summary, clients adding this service to their business will see profit leakage levels drop and profitability levels rise

SOME OF OUR CLIENTS



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