



APPSolve

AFRICATRADEAPP

COMMODITY MANAGEMENT SYSTEM

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1. PRODUCT OVERVIEW

AfricaTradeApp is a cloud-based commodity management system designed specifically for the African landscape. The system is self-contained and highly scalable. It is easy to use, to maintain and has low bandwidth overhead. This makes it ideal for remote areas with poor connectivity.

AfricaTradeApp caters for multiple commodity, financing and market parameters. It integrates with local banks for financing and calculates all financing, storage, transport, insurance and commission costs. On the sale of product, the system manages the settlement of monies across all stakeholders involved in each transaction.

Transactions run according to pre-configured workflows to minimise training needs. These are linked to user roles to provide strong security and segregation of duties. It was originally created for grain commodity markets in Mozambique and Zambia. It therefore provides a multilingual interface for the various languages spoken in those areas.

Oracle awarded AfricaTradeApp its 2015 and 2016 Global Excellence Award for sustainability innovation. This is an international recognition of the application's value to the economic and social upliftment of the local communities in these countries.



AFRICATRADEAPP

Secure Access Control

Organisation

Head Office

Site

Site

Site

Supplier Database
Goods & Service Providers

Customer Database

Product / Commodity Management

Contract Management (Physical and Future Trades)

Advanced Pricing and Cost Matrix

Purchase Orders

Delivery & Dispatch Notes (GRV)

Weighbridge and IOT Interfaces

Split & Merging

Customer Sales

Customer Tax Invoices

Product Financing

Inter-Company Stock Transfers

Customer Deposits

Stock Control

Payments

Surveys

Shift Management

Event Management

Incident Management

Integration to Financial Systems

Business Efficient Banking (BeBanking)

Profit & Loss

Reporting & Integration Tools

Mobile & Email Notifications and Approvals

2. BENEFITS



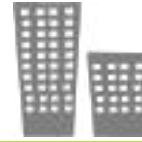
3. KEY ROLES PLAYERS (PARTIES)



The supplier delivering the product or service



The customer



The organisation and sites



Financiers and banks



Insurer



Brokers and traders



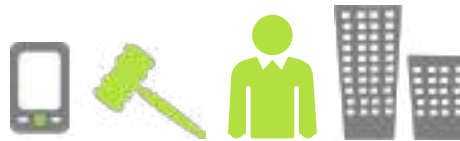
Event coordinators



End users



Administration



Other parties – Mobile networks, Government, donors, NGO, etc. with controlled viewing rights

4. KEY FEATURES



- Pre-loading, vetting and registration of suppliers and customers with a comprehensive master database including documents, geographical, identification, history, contact, financial and training information



- Costs are calculated and differentiated on the basis of:
 - **Storage:** Product, value and warehouse
 - **Financing:** Product and warehouse, Period based
 - **Transport:** Product, Location, period
 - **Insurance:** Warehouse site and collateral



- Product and services setup



- Quantity variances with costs



- Pre-loading of cost and sales price matrix per product, period and party



- Allows for the redeeming or transferring of stock:
 - Updated calculation of all cost categories
 - Repayment of loan, and payment of all costs
 - Release and of the warehouse of stock



- Tracking of contracts



- Consolidating and splitting of warehouse receipts



- Tracking of purchase orders



- Physical out-loading to authorised entity (transporter/owner)



- Tracking delivery and dispatching of product and services matched to purchase orders, contracts and transporter documents



- Uploading of documents - Allows for multiple documents to be uploaded for identification and audit purposes



- Quantity variances with costs



- Notifications - Workflow Notifications throughout the stages via email or mobile communication



- Issuing of a delivery and dispatch note: Legal title e-Receipt (on database), hardcopy PDF



- Report and views can be customised per user:
 - display/hide columns
 - choose sorting and grouping sequence
 - drills down functionality



- Quantity variances with costs



- Issuing of a delivery and dispatch note: Legal title e-Receipt (on database), hardcopy PDF



- Financing of product and repayment of loans based on pre-determined policy/formula



- Integration:
 - Integration with Excel
 - Integration web service for integration to other systems
 - Based on a well-defined relational database structure
- Uses Structured Query Language (SQL) to extract data in any format needed.



- Day-end and month-end physical stock take and shift close processing



- Warehouse Receipt is “locked” to prevent out-loading or transfer

5. WORLD CLASS SUPPORT



Hosted in South Africa with high availability



Can be moved outside of South Africa's borders (infrastructure permitting)

Information is encrypted for any information flowing between our server and the client PC



Daily backups



Secured and certified system access with best practice audited password control

Regular enhancement upgrades



Helpdesk support centre: Telephonic assistance during business hours, Email, Skype

Training (client on-site or group training)



Comprehensive training manuals

6. WORLD CLASS SOFTWARE



- Built on free, scalable technologies to adapt to user communities



- Primary technology is Oracle and Jasper iReports for publishing PDF documents



- Uses an Oracle XE or Oracle R12 database



- Developed with APEX: Oracle Application Express - Oracle's primary free tool for developing Web applications with SQL and PL/SQL



- Session-state protection, authentication and authorisation schemes



- Test system available for demo's and testing enhancements



- Uploaded documents stored on the server and not within the database to limit DB size



- Hosted solution so hardware and network infrastructure is not required



- Minimal bandwidth required for access to the Internet



- Workflow functionality
-



- Mobile Integration
-



- Email notifications.
-

7. AWARDS AND STATUS

- AfricaTradeApp won the 2015 and 2016 Oracle Excellence Award for sustainability innovation
- APPSolve has met Oracle's stringent competency and business requirements indicating in-depth product and industry knowledge.
- APPSolve's status allows us:
 - Access to restricted Knowledge Zone content
 - Access to partner forums and partner only training
 - Access to patches and support to ensure the development tool is on the latest technology.



THE ORACLE
PROFESSIONALS



Contact Us

Address

12 Northumberland Street, Midstream Estate, Ekurhuleni, 1692

Give us a shout

+27 (0)82 901 6688

Email

info@appsolve.co.za

Website

www.appsolve.co.za

