

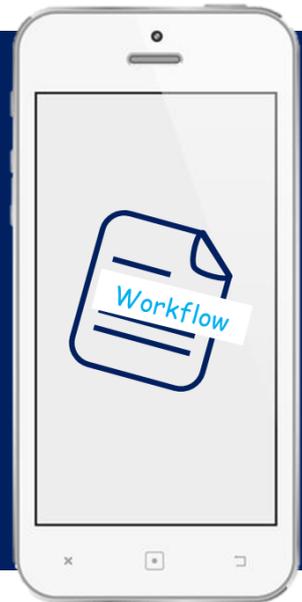
*Nimbus CVM is a mobile workflow enablement solution for the management of visitors or contractors accessing premises such as office and industrial parks, logistics depot and construction sites.*



Customer specific workflow is configured and/or developed rapidly from the generic solution and may be refined on an on-going basis to achieve the customer specific requirements. The tasks are defined and sequenced to achieve the desired workflow.

Rules and verifications are built in to ensure maximum data accuracy and the date, time and location stamps are recorded at each step of the process.

A range of API's allow for the integration with the existing backend systems.



## Essential Features

1. **Full Operational Lifecycle**, from vehicle or pedestrian entry, weighbridge, on- bay, off- bay to exit, the solution controls the full operational lifecycle of the process. Clear transfer of responsibility is maintained and the solution allows for security audits at any stage.
2. **Rapid and Efficient Data Capture**, data is captured once at the point of transaction and is seamlessly transferred to the existing backend system. No additional data capture processes, such as document scanning, are required.
3. **POPI Compliance**, the information gathered by the solution is stored securely and is only accessible by authorised personnel. The information is captured purely for security purposes.
4. **Undesirable persons and vehicles**, based on rules or identified individuals or vehicles may be flagged as "undesirable" or blocked from entry to the premises. This includes mobile notifications at the point of interaction of the security personnel.
5. **Cloud Based Infrastructure**, where data is remotely maintained, managed, and backed up, allowing for rapid deployment, scalability and reduction in costs.



Essential Features Continued

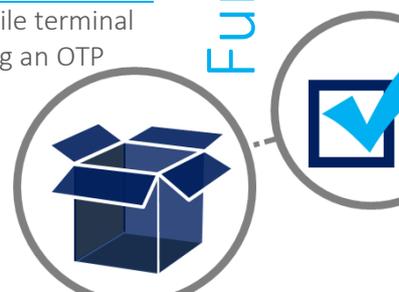


6. **Seldom Connect**, allows the user to complete the tasks without concern whether the connection is active or not. This is managed in the background.
7. **Ergonomic User Interface**, the solution has been specifically designed to provide a simple, efficient and intuitive user interface that maximises user adoption and minimises “technology” training requirements. Wherever possible, scanner and finger driven interfaces are provided.
8. **Container Management**, may be configured to track “containers” defined as boxes, rolls / reels, trolleys, pallets or bins. Each time a controlled container is moved, the solution maintains a transaction history list.
9. **Maintenance - Low Cost of Ownership**, device details and application versions are automatically maintained over-the-air requiring minimal administration. Robust and auditable back-end interfaces ensure that critical enterprise data is delivered reliably and on time.
10. **Alerts and Notifications**, at critical stages or events to ensure that the right person is informed at the right time.
11. **Remote Device Management**, the fully integrated SOTI based device management solution allowing for full remote support, including access for driver support and over the air software updates.
12. **Device Portability**, the solution may be deployed on ANDROID, iOS and Windows Mobile devices ensuring flexibility to choose the device with the appropriate functionality at the right price.

The Nimbus CVM solution is highly configurable and customisable. Specific requirements are enhanced to the exiting functionality as listed below:

#	Function	Description
1	DL Scanning	Scanning and decrypting of the South African driver’s license or South African ID book or card for the identification of the visitor. Scanning of foreign passports is accommodated or a photo is taken together with the capturing of the relevant information.
2	VL Scanning	Scanning of the vehicle license disc allows for the capturing of the vehicle details.
3	ANPR	Automatic Number Plate Recognition for the vehicle identification where the vehicle license disc is not available or accessible.
4	Pre- Authorisation	Visitors may be preauthorised by issuing an OTP (One-Time-PIN). The pin is generated from a smartphone application, web based invitation or integration with a calendar such as OUTLOOK.
5	Adhoc Clearance	Unannounced visitors may be authorised directly from the mobile terminal by the guard by phoning the person being visited and generating an OTP upon approval.

Functionality Modules



#	Function	Description
6	Contractor Management	Contractors are processed as “regular” visitors for a specified period allowing for a streamlined process.
7	Passengers	Recording the number and identification of passengers and enforcing the specified authorisation requirements.
8	Induction	Management of induction processes and expiry dates ensure critical safety requirements are adhered to.
9	Event management	Bulk invitations of individuals and validation on entry for events such as university graduations and other similar events. Photographs of the person entering may be presented to enable further identification.
10	Examinations	Validation of students entering the premises for specified events such as examinations ensuring reliable identification and verification of the timeslot, campus and building against the published timetable.
11	Data Capture	Capturing of additional information such as contact number and number of passengers.
12	Safety Inspection	Inspections of the vehicle to ensure all safety standards are adhered to, such as fire extinguishers, indicators, driver or passenger PPE and breathalyser testing.
13	Safety Instructions	Advising the individuals of specific safety standards such as speed limits, keeping lights on, evacuation procedures, etc.
14	Asset Tracking	Recording assets brought onto site such as laptops, cameras and enforcing processing of these items, including firearms.
15	Gate activation	The gate or boom is activated directly from the mobile terminal by the guard to enhance efficiency.
16	Weighbridge	Weighbridge integration ensures time management and capturing of load data.
17	Load Details	Recording critical information such as document numbers, seal numbers, dip readings, meter readings and product loaded or returned, including pallets and containers.
18	Bay Management	Recording of on-bay and off-bay times, including wash bay.
19	Refuelling	Capturing of the refuelling transaction details.
20	Roll Call	Monitoring of visitors on site and verification during evacuation procedures.

# Benefits



1. **Overall Cost Savings**, increase in staff productivity, by utilising the task, asset and equipment management facilities, together with a reduction in manual processing time and paperwork is achieved through real-time data updates and decision-making processes.



2. **Labour and Resource Management**, provided through the ability to define operators and equipment with skills sets. These resources are managed at a task level. Reporting provides feedback, allowing the business to improve the processes and initiate continual improvement programs. All operator actions are controlled centrally by the application server, providing a complete view of all operators and the current activities to the supervisors, who may send messages, view transaction histories and define future operator actions.





3. **Escalations**, management of operational issues, discrepancies and problems may be tracked through escalation procedures that automatically send other operators to investigate issues as they occur.



4. **Management Information**, as each task is completed, the original task information, plus labour management information is archived in the solution's database. A supervisor can drill down and analyse this data by operator, workstation, transaction, location or any other specific business data item. The data provided include critical business performance data that can be used to view current performance, operational issues and operator effectiveness. This knowledge gained is used to fine tune the operation for efficiency and cost saving.



5. **Customer Service**, the solution ensures a turnaround time improvement, through the effective tracking of all operational tasks and the guaranteed improvement in accuracy by using scanning processes. This ensures customer satisfaction.



6. **Managed Best Practice**, by enhancing an operation with managed best-practice processes, customer service and experience is significantly improved.



7. **Full Operational Visibility**, from initiating the requirement to the completion of the transaction, the solution ensures full visibility of assets and operations, dramatically reducing errors and time wastage it also ensures accurate status of the people and vehicles currently on the premises.



8. **Reduce Costs and Enhance Return on Investment**, increase profitability from existing business by improving the efficiency of a delivery operation. This is done by actively managing the workforce through best-practice business processes and by removing slow, error-prone paper-based activities. Costs are reduced by eliminating errors and by removing redundant layers of filing, document scanning and manual data capture.



9. **Improve Customer Service**, by providing accurate and efficient operations with improved turnaround times, customer perception and service levels are directly enhanced thereby increasing customer retention.



10. **Increase Accuracy, Visibility and Productivity**, consistent business processes through all steps in the operational cycle ensure that fewer errors occur and exceptions are managed efficiently. Time and location stamped detail of the entire lifecycle of a transaction is immediately available. Management reporting provides the mechanism for further operational improvements.

# Contact



**Mark Lilje**

Director

**Cell:** 083 327 1512

**Email:** mark@nimbus-solutions.co.za