IVS
ID VERIFICATION SYSTEMS

Innovation | Vision | Success

Company Profile
2020

Custom designed systems for cutting edge business advantages.

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1. ABBREVIATIONS USED

- ➢ IVS   ID Verification Systems
- ➢ SAAFF   South African Air Freight Forwarders Association
- ➢ ACOC   Airline Cargo Operator Committee
- ➢ SAP   South African Police
- ➢ SARS   South African Revenue Services
- ➢ IT   Information Technology
- ➢ SAEPA   South African Express Parcel Association

2. COMPANY PROFILE

2.1. About Us

IVS is a South African based IT and software company with the core focus to provide clients with advanced technological solutions, providing cutting edge advantages to our customers. The company is a young dynamic company, which originated by a chain of certain event during 2003. During the last few years, IVS started developing more personalized systems, thereby growing its success.

The collective knowledge gained since 1997 in various fields by the three members enables IVS to understand the specific needs of clients and to provide them with cutting edge technology software solutions.

The success to the above is that during the last few years IVS has gained knowledge of various markets and therefore are in a favorable position to understand client needs for personalized, professional yet affordable service and advice. With the coalition of designers, developers and security specialists, IVS has a collective experience that amounts to more than 40 years of business knowledge. This excludes the knowledge gained over the last few years from various projects in different market segments.

The administrative department of IVS can assist clients with the required support and assistance as may be required on specific projects and database systems.

In 2006, IVS was approached to assist with a unique permit system application for the cargo industry. The requirements as load down were to make use of online application forms, advanced data processing techniques and optimal utilization of data based on security integrity and audit possibilities. With the knowledge gained during the last few years when developing a system for an existing company operating in the cargo industry, IVS launched the project with all the requirements as stipulated in a record time.

Full implementation of the new permit system for the freight and airline industry took place during end of 2006.

3.2. Mission Statement

ID Verification Systems strive to bring cutting edge database technology to each customer in the most cost-effive way and to supply the customer with the unconditional support, advice, and professional services.

To stay focused on the customer requirements and to assist in obtaining a business advantage above competitors through technology.

To minimize downtime for business operations and to form part of the building blocks to a customer's success.

To always maintain client confidentiality.

To understand each client's requirements and long-term strategy and contribute towards the business success of each client.

3.3. Solutions

IVS strives to provide solutions unique to each client using an Oracle platform, with online application forms. The decision was made to primarily use Oracle for the enhanced through put of data on existing bandwidths and for the stable, roust and secure databases structures it provides. The technology used in the database structures and designs provides the client with the ability to grow and expand the database without storage space constraints or any limitations.

3.4. Partners

IVS always strive to complete projects allocated to them on their own.

IVS is extremely selective towards which partners it selects for any work that requires outsourcing. Quality and on time services is only a view of the benchmarks being used to measure the performance of any selected partners.

3.5. Services

IVS will be involved with a project from start and will remain involved with the project until final implementation and sign off takes place.
All systems designed will be maintained and administered by IVS to ensure constant up time for the clients and to ensure ongoing business activities.

✓ **System and Database Analysis and Design**

IVS has a solid experience in analyzing and designing a dynamic system solution that will ensure data integrity, security, performance, and data redundancy with the advantage to add on any module or enhancement of any possible kind to the system.

✓ **Designed Database Security**

In today's demanding markets we acknowledge the importance of information for the vital survival of any company. Taking last mentioned in consideration, companies do not only need to protect their systems and information from outside hackers/crackers but also from the leakage of information to unauthorized employees. By offering a system design, consultation service and network security option, clients can rest assured of limited access to sensitive or confidential information.

✓ **Designed Database Auditing and Maintenance**

Each company requires different information reports to play a strategic role in the marketplace. Most software/databases that can be purchased from the shelf are standard and not designed for specific client requirements. Should a client wish to obtain a unique custom designed database, with growing data processing capabilities with user interface icons, specific forms, layouts, queries, reports, and specific report printouts, we will gladly assist in designing last mentioned and train staff accordingly.

✓ **Hosting of Databases and Backup of Data**

Companies use technology to operate daily. The importance of replicating and backing up of information should be done regularly to preventbusiness advantage losses that can be caused by hardware failures, lightning, viruses, theft of systems accidental deletion etc. IVS acknowledges the importance of information for business processes and therefore encourage any company to ensure that backups are done on a continuous basis.

To ensure high availability of access to the system, online replication of each transaction submitted will take place and daily backups will be done of the specific databases and will be stored in an archived file.

✓ **Outsourcing of Functions / Part Phrases / Modules of Design**

  IVS is selective towards partners for special projects. Quality, credentials of the selected companies and potential to deliver on time is only a few of the measurement tools being used.

3.6. Members

✓ **Marius van Jaarsveld**

  He has extensive knowledge of analyzing client needs and in designing databases and systems for entities requiring business leverage and advantages.

  He has been in the Software Development Industry for 21 years, developing software using different Development Languages including Oracle, Visual Basic, C+, Pascal, Delphi and using Oracle Databases, SQL Server, My SQL, and MS Access back-ends. He started his career as a junior programmer in 1997 and a few years later climbed the ladder to become a Senior System Analyst on Oracle platforms.

  From 1997 – 2003, Marius worked on multiple projects, developing, supporting, and implementing products including Financials, Fleet and Hospital systems, all based in Oracle.

4. AVAILABLE SOFTWARE

4.1. Permit Application System

The Permit Application System was designed in conjunction with SAAFFF and ACOC to regulate companies drawing cargo from specific airlines, de-grouping facilities and warehouses.

When a permit is scanned into the warehouse identification system, the system will show a photo, signature, and the relevant company information of thedrawer. Should the information viewed not match the permit nor the person in front of you, action needs to be taken.

This is a real time system, and no delays are caused due to different databases being updated.

To achieve the above a company (Freight Agent / Courier / Airline) would register on the system and would only gain user access to the system ifthe company was approved through the numerous checks and approval from SAAFF, ACOC & SAEPA.

A company only has two users (primary and secondary) who have access to the system.

These users can do the following:

- Apply for permits to draw cargo.
- Terminate permits.
- View history of warehouse/airlines accessed by specific personnel.
- View cargo drawn on specific dates.
- View cargo drawn by specific warehouses/airlines.
- Renew expired permits.
- Change statuses of permits for personnel on leave or sick leave.

Any action taken on the permit system, for example a permit application the system will inform both the primary and secondary user by SMS and

email.If a permit has expired or been terminated and the permit is used, the two users will be notified by SMS and email of the process in action.

Daily reports are generated and sent out to each company with any movement on the system for that specific date.

Permit expiry reports also gets generated each night informing a company when a permit is expiring, but it only gets send out if the expiring days are in 7, 14, 21 and 31 days and the day before the permit is expiring.

The Permit system also allows Visitor and Temporary permits to be applied, but this functionality is only available to companies using the warehouse identification system. Visitor permits can only be used within the company it is used to and only in their own warehouses. Temporary permits can be issued to your staff and allocated for a certain period, but these permits can be used in other warehouses/airlines as well.

Visitor and Temporary permits do not expire, where normal permits automatically get terminated on their expiry date,

All permit applications are sent for SAPS vetting and will only be issued and approved if no records were found or an appeal board approved the application with a criminal record.

This is an online facility which all companies can access from anywhere in the world. Permit applications can be maintained from one office for all the branches across the country or at branch level.

4.2. Warehouse Identification System

This system was developed at the same time as the Permit Application System, but this system is used on the warehouse/airline side.

Multiple users can have access to this side of the system.

A user would scan a permit and all the relevant information of the person would show on the screen for you to identify.

The system will clearly indicate an invalid permit.

An invalid permit will send an email and SMS to the warehouse primary and secondary users notifying them on an invalid permit and the same to theemployers for the person in front of you.

Which each permit scanned in, the user can assign the cargo also released or checked into the warehouse by the person by using the Quick Release / Check-In Options.

This automatically generates an email to primary and secondary users of the person's company in front of you, notifying them of the specific action.

Daily reports are also sent out to the users of the warehouse informing them of all the movement in the warehouse, including cargo released and checked in.

Month end reports are also sent out showing summary details for the last 6 and 12 months, also per customer.

4.3. Cargo Control Centre

The Cargo Control Centre consists of multiple modules and can be used on a separate basis.

These modules are:

- Warehousing
- Air Waybill System
- Express 108

✓ **Warehousing**

This module is used in conjunction with the permit application system.

When creating entries into the system, the user must scan their permit to allocate the entry to them. The same goes when the user releases or checks in cargo into the warehouse.

The reason for this is because there will always be an audit trail of all entries in the system and who handled the cargo from your company.

When cargo is released or checked in, the details of the person checking in the cargo or who the cargo is released to is also captured.

Within the warehousing module the manifesting of cargo is also available.

Printing of barcodes in multiple formats are also available.

The same verification that happens in the warehouse identification system is used and will send out emails and SMSs for invalid permits to all the relevant parties.

- ✓ **Air Waybill System**

  This is a detailed version of the air waybill system; this version is based on multiple currencies and allows printing directly to an air waybill.

  Certain ranges of master numbers can be allocated to specific customers and allows for cash transactions.

  Customer specific rates can also be applied.

  The ability to print barcodes directly for the specific air waybill is also available.

  Customers who use the Air Waybill System can get linked to warehouses and airlines using the warehousing system, which will allow them to capture. the air waybill directly into the Warehouse or Airline's Warehousing Module.

  The process is handled real time, and no delay is expected due to no interfacing between systems.

  Air waybills can also be cancelled with proper authority.

- ✓ **Express 108**

  This module was specifically created for Section 108 to identify companies and employees exporting cargo and the cargo being exported.

  The freight agent/courier using the system will allocate the specific cargo to a specific employee on the system and once the employee is scanned in at the designated warehouse or airline, the system will show the assigned cargo for the employee and company.

  By capturing the information from the freight agent or courier, the warehouses and airlines will know in advance what cargo is coming.

  Also, when cargo is checked into the warehouse the freight agent/courier is notified that the cargo was checked in via email.

4.4. Financials

The system includes a standard set of financials including the following:

- Creditors
- Debtors
- Cash Book
- General Ledger
- System Utilities

The financials are also a web-based system which allows a company to have multiple branches and users allocated to those branches and only see information for the allocated branches.

We have standard invoice and statements formats, but customer specific formats are also available with the functionality to email them directly to the customer from the system.

Customer specific billing runs are also available to generate monthly invoices.

This is also a multi-currency system.

Each module is also designed to have their own standard set of reports.

Each module has enquiry screens to view historical data with built in reprint functionality.

4.5. Inventory Management

This system forms part of the financials system but can be used separately.

This system included the creation of products, issue and receipt of stock and purchase orders for specific suppliers.

From within the system the user can create a purchase order, do the GRN and generate the supplier invoice directly into the financial creditors module.

The system also allows for bin transfers and stock counts.

This module also has its own standard set op reports and enquiry screens.

This module can be enhanced to use Wireless and 3G barcode scanners connected directly to the internet and log into the system and process in a warehouse.

All transactions will be real time because it is directly on the same database with no further interaction required from the person who handled the scanner.

4.6. Cargo Inventory Management

This system was created specifically for the International moving companies to reduce their losses of inventory of customers being stolen or lost.

A sales consultant will go out with a wireless/3 scanner, capture all the inventory, and allocate barcodes to all the items.

The system will show all the information captured immediately.

The people moving the inventory will also have 3G scanners connected to the system and will scan in each item before it is loaded into a truck, into the warehouse and then into a container.

The responsible officer will immediately see any inventory missing from the move.

Each scanner is also allocated to a specific person for each transaction, this will make the last person responsible for each transaction and action taken.

This module also includes a follow up module and web logon for the customers who want to view the progress and status of the move.

4.7. Time Management

The time management module works in conjunction with the permit application system where each person has got his/her own permit.

Every time a person enters or exits a building, they would scan themselves in or out of the system.

This will capture the in and out times of the office and calculate the number of hours worked.

The system generates a daily, weekly, and monthly report showing the number of hours worked for each person and will highlight a person with too littlehours.

4.8. Web Air Waybill System

This system is a summarized version of the cargo control center's version.

This version can be linked to your own web page where your customers can log in to the system and generate air waybills with barcodes directly from the website.

The airline will give the customer a username and a password to log into the system and capture and air waybill.

This in return is captured directly into the cargo control center's version and into the warehousing side.This

enables a customer to just check-in their cargo and go.

5. CONTACT DETAILS

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