



Periodical & End-of-Line

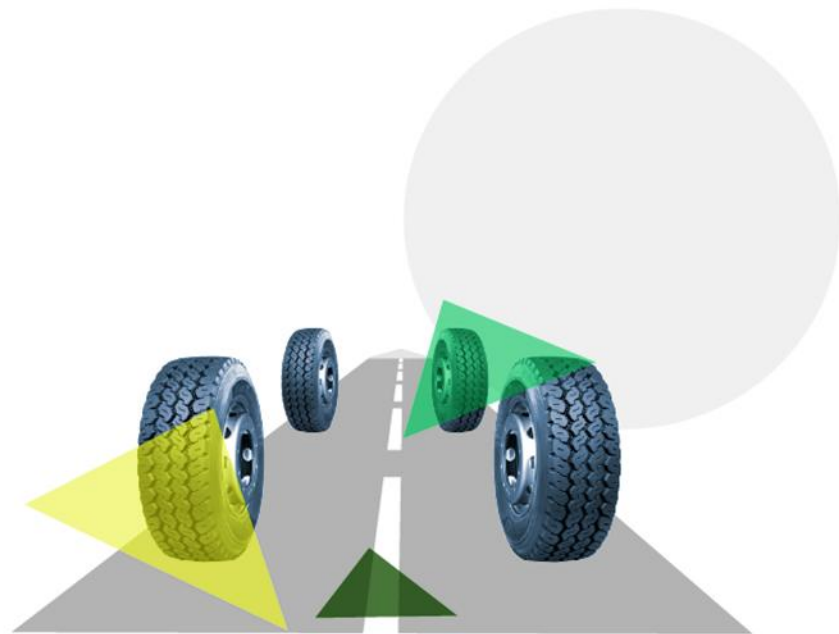
Vehicle Inspection Management System

Accelerate innovation for a test-driven industry

Powerful, **Vehicle Inspection Management System**,
Multi-channel modular capabilities on one single platform

Single Platform for

Periodical Vehicle Inspection | Test Lane Management | EOM End of Line Testing



relevant and tailored

About Vtest

Vehicle inspections cover all types of private and commercial vehicles and are dedicated to improving vehicle and road safety, performed at a designated inspection facility to monitor compliance of all applicable standards and regulations. Transport Authorities face a daunting task of delivering streamlined Vehicle Inspection processes with continually growing vehicle population. These concerns developed into a need to have a powerful centralized system that links inspection facilities.

Vtest Vehicle Inspection Management System is a centralized solution that facilitates connecting to governmental vehicles licensing database to retrieve the registration information and captures all vehicle inspection details in order to manage end-to-end vehicle inspection in compliance with road and transport policies and connecting vehicle inspection centers.

Vehicle Inspection Process determines a vehicle's roadworthiness. This process involves end-to-end inspection of a vehicle such as, preparing the vehicle profile using the authorities' databases, assigning the vehicle to an inspection lane, performing the automatic and visual tests until the issuance of certificate.

Features & Functionalities

- Regional Governance and Compliances
- Automatic License Plate recognition
- Automated Inspection and Visual Inspection
- Multiple Testing Equipment Integration Engine
- Connect to Transport Authority for vehicle information
- Vehicle Inspection Center Management, Monitoring and Control
- Equipment calibration and maintenance scheduling
- Tests Management, Inspection Policies & Inspection Standards
- Inspection Instruction, Regulations, Test Types, Points, Parameters, Limit Values, etc.
- Inspection Queues Management, Automatic Lane Selection and Best Lane Assignment
- Online and Offline Appointment Handling
- Customer Tokens, Receipts, Test Certificate Issuance
- Live Dash Boards

Automated Features

- Automatic generation of Manufactured Year, Country, Plant from VIN
- Automatic Number Plate Detection
- Automatic detection of type of inspection (Initial, Re-Test, Second Re-Test, etc.,)
- Best Lane Allocation from the System
- Waiting time predicting

Policy Management

The Communication Management Module updates about new policies, regulations and a wide range of assets and process-related systematic events along with informing the customers about the status of their vehicle throughout the inspection process.

Inspection Configuration

Inspection Configuration allows you to setup all the Configuration Data that is required for Inspection, including inspection parameters, services, test groups and inspection fees along with regulatory information management such as Policies, standards and regulations.

- Inspection Services Management
- Tests Management
- Test Point Management
- Test Parameters Management
- Inspection Policies Management
- Inspection Standards Management
- Inspection Instruction Management

Inspection Process

The Vehicle Inspection Process Module determines a vehicle's roadworthiness. This process involves end-to-end processing of a vehicle -from when it reaches a testing center Check-in Lane, preparing the vehicle profile using the registration authorities' databases, assigning the vehicle to a suitable inspection lane, printing the customer token, performing the various automatic and visual tests according to the lane setup and vehicle category until the issuance of an inspection certificate for the customer, to the collection of test fees.

Automatic Number Plate recognition

Token Creation

Best Lane Assignment

Inspection Queues Management

Governance & Compliance

Governance and Compliance allow the Auditors to perform the Audit Inspection process including the Scheduled Inspection, Unscheduled Inspection, and the Mystery Shopping Inspection; also, its allows the Auditors to prepare all the setup data that is required to perform the Audit Inspection such as preparing the Elements, Non-Compliance Scoring, etc.

Highlights

Increased productivity and efficiency through:

Partner Specific Settings & Configurations

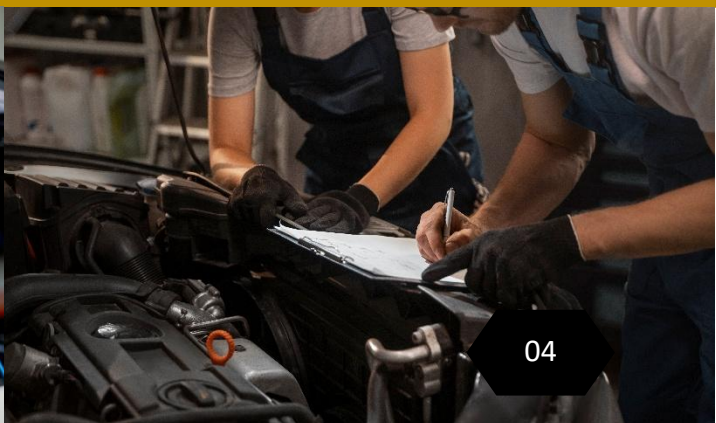
Dynamic Test Types & Criteria Defining

A Simple Integrated Platform

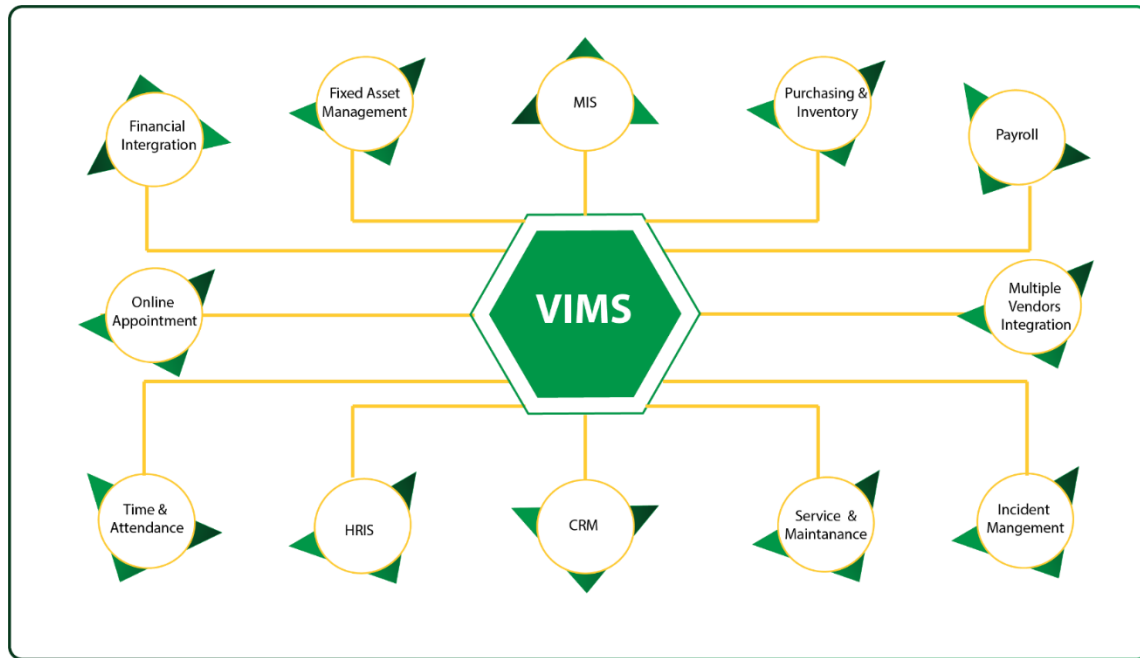
Vtest is a powerful & integrated multi- channel solution, designed to support all daily interactions of all aspects of vehicle testing organizations. It integrates seamlessly with all enterprise level back-office operations.

Furthermore, Vtest helps Vehicle Testing Organizations to manage all back-office areas of:

- Accounting & Financial Management Integration
- Fixed Asset Management
- Purchasing & Inventory Management
- Payroll Integration
- Time & Attendance
- Human Resources Information System
- CRM
- Service & Maintenance Management
- Help Desk and Incident Management
- MIS Integration



Vtest Vehicle Inspection Management System comes with rich ground breaking modular integrations to cover all functional areas of the Test Organization.



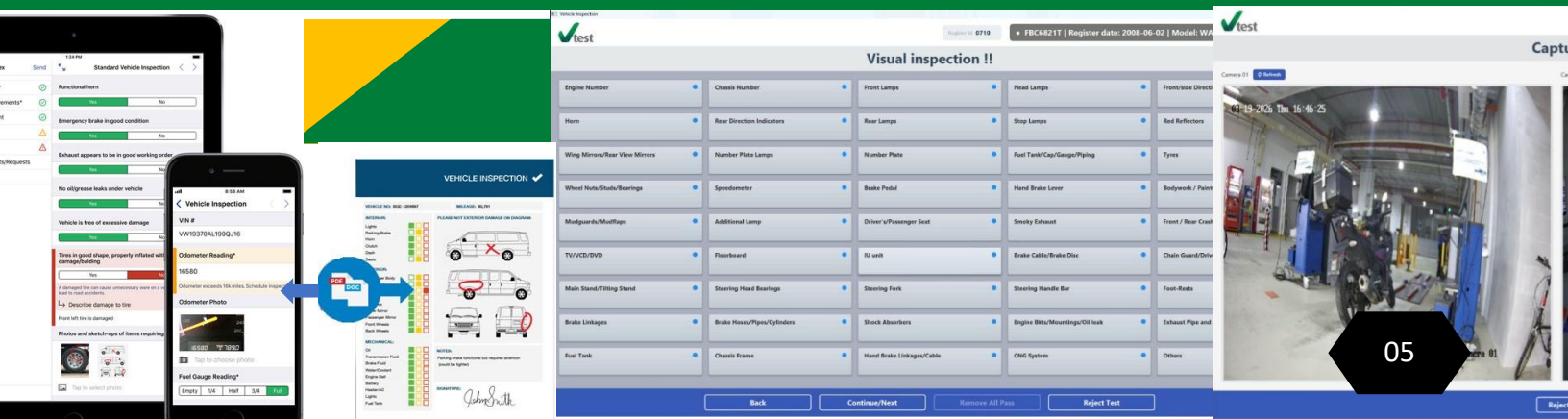
Create your own Custom Visual Inspection Check -List

- Pick & Choose facility
- Support regional regulation requirements
- Touch Screen Support
- Android and ios support
- Consistency across multiple channels
- such as pc, tablet pc and smartphones

Digital Engagement

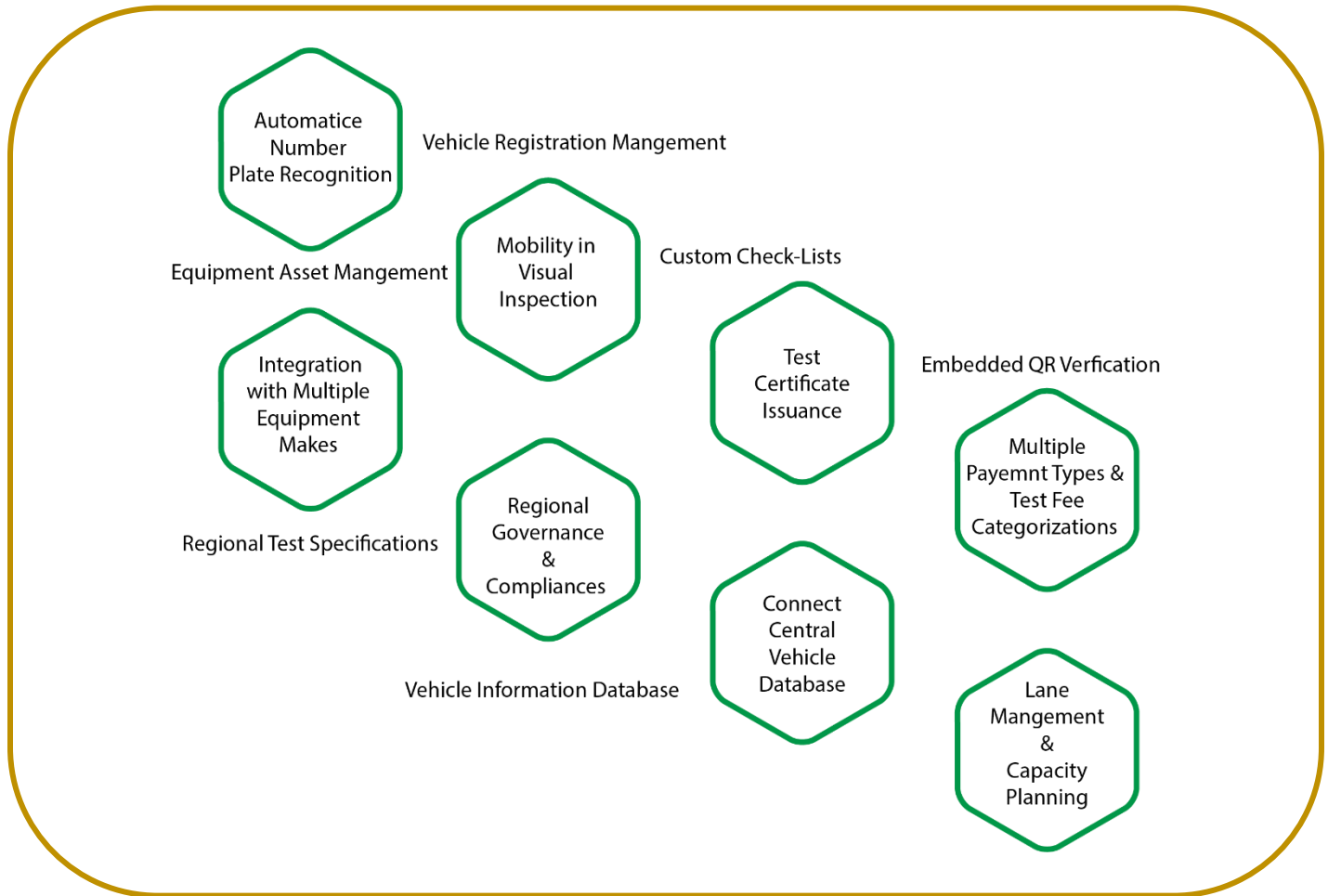
Vertical Integration

Relevant & Tailored



Vtest VIMS manages complete vehicle inspection and testing process, supporting regional test standards and compliances also facilitating to define entire test structure based on the standards.

Vehicle Testing Flow



Financial Integration

- Custom Chart of Accounts
- Bank Reconciliation
- Accounts Receivable
- General Ledger
- Accounts Payable
- Cash Flow Statements
- Cost Accounting
- Consolidated Accounts
- Center Wise P&L
- Balance Sheet
- Debtors & Creditors
- Dynamic Tax Structure

Purchasing & Inventory Management Integration

- Vendor Management
- Re-Order Level /Quantity Maintenance
- PR /PO Processing
- Stock Valuation
- Inventory Item Management
- Inventory Locations
- Category Management
- Damages & Returns
- Center Wise Inventory Maintenance
- Linked Items
- Good Inwards & Outwards

Payroll Integration

- Salaries & Wages
- Salary Advances
- Staff Loan deductions
- Applicable Pay taxes
- Generate Pay –Slip
- Pay Grades
- Custom Additions & Deductions
- Direct Bank Remittance
- Multiple Salary payments modes such as by cash, cheque or bank transfers

Time & Attendance

- Biometric Access Control
- Holiday Types Allocation
- Employee Shift Allocation
- Leave Entitlements
- Overtime and late
- Leave Balance
- Statutory Leaves
- Absenteeism

HRIS Integration

- Staff Information Management
- Staff Capacity Planning
- Recruitment
 - Training & Development
 - JD's & Profiles
 - Promotions
- Appraisals
- Training calendar
- Increments & Bonuses
- Staff Loan entitlement

CRM Integration

- Appointment through online customer portal
- Pre Payments
- Appointment through Android iOS mobile app
- Online Payments
- SMS notifications, Reminders
- Send emails
- Customer Portal & Track of your vehicles
- Credit facilities
- Enable booking
- Mange Corporate Client

Service & Maintenance Management

Equipment Calibrations

- Set Intervals
- Calibration Record Maintenance
- Reminders
- Service Calendar

Equipment Maintenance

- Maintenance Reminders
- Maintenance Records
- Set Maintenance Intervals
- Preventive Maintenance
- Repairs & Services

Help Desk and Incident Managemnt

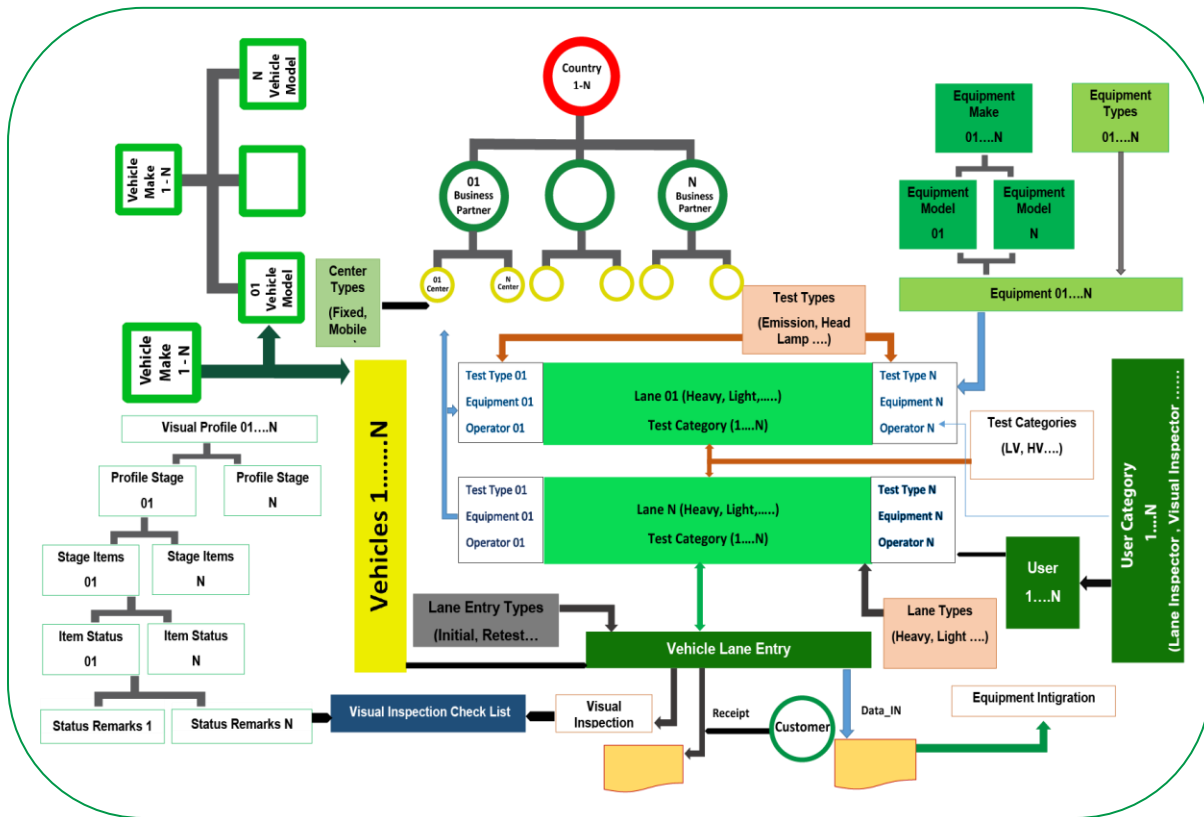
- Indident Reporting
- Equipment Downtime Tracking
- Ticket Resolution
- Time Monitoring
- Set Priorities

Fixed Asset Management

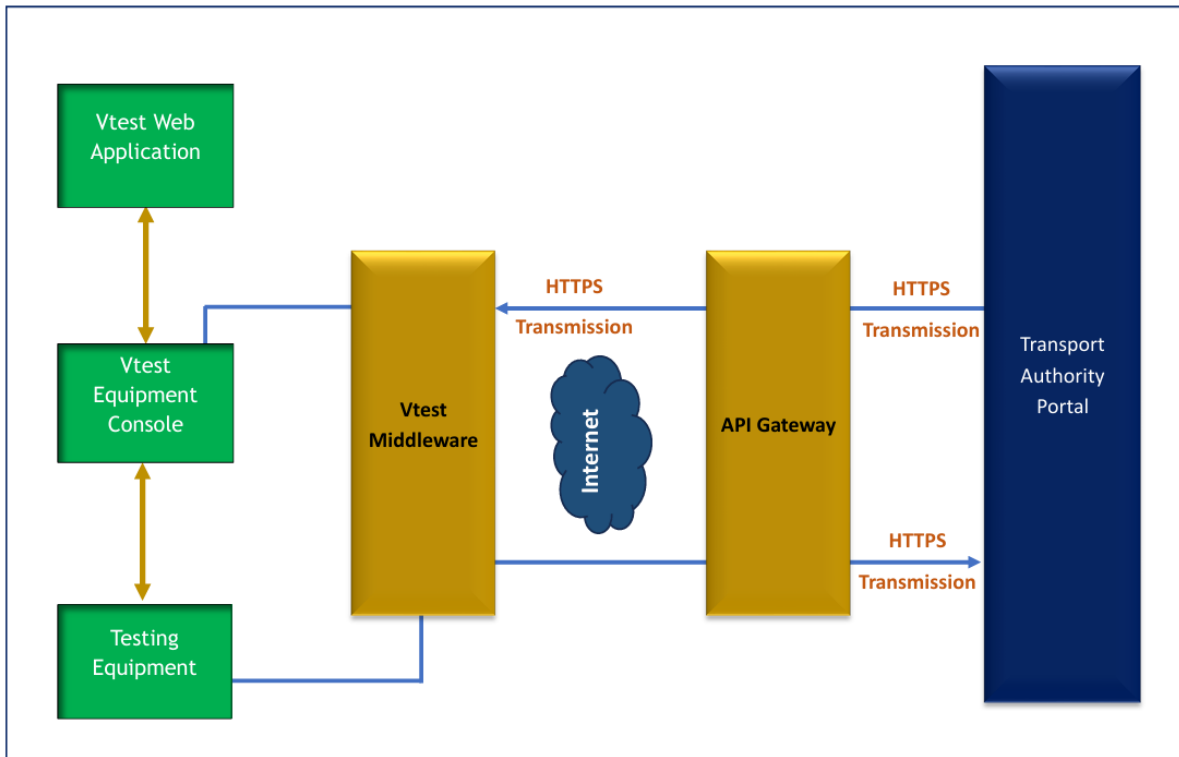
- Asset Structures & Classifications
- Asset Purchasing
- Fixed Asset Inventory
 - Asset Valuation & Revaluation
 - Asset Transfers & Disposals

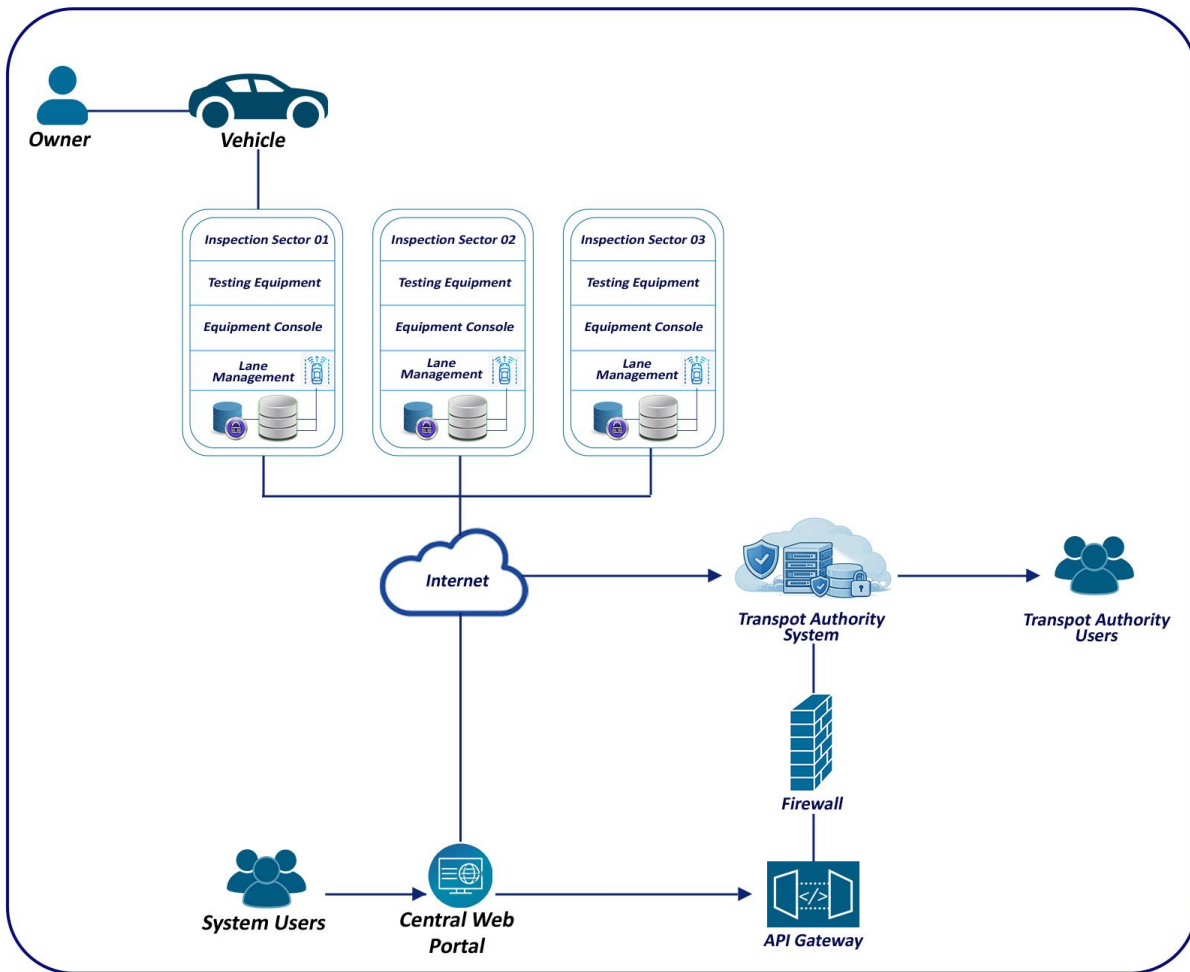


Test Configuration Flow



Equipment Integration Security





Security

- Audit Logging
- Authentication & Authorization Management
- User Roles
- Password Policy Management
- No Implicit Trust
- Data flows/sessions verification
- Least Privileged Access
- Data Encryption

The screenshot shows the VTEST SYSTEM dashboard. It includes a **Verify User !!** section with a login form, a **Welcome Dashboard !!** section with the VTEST SYSTEM logo and navigation buttons for **New Vehicle**, **Paid List**, and **Reports**. The main content area displays **Testing in progress !!** with a summary table for Gasoline and Noise tests. The **Paid List !!** section shows a table of license plates and receipt numbers.

Gasoline	HC (2000.0)	CO (14.5)	CO2 (---)	O2 (---)
	221.00	0.90	7.80	8.68

License Plate	Receipt No	Status
03000	TEST10001	View
A412893	TEST10002	View
F428	TEST10003	View
AC2217E	TEST10004	View
AJ0779G	TEST10005	View
A80C	TEST10006	View
AK0352J	TEST10007	View
AK064C	TEST10008	View
AN183Z	TEST10009	View
AN786A	TEST10010	View
AY996P	TEST10011	View
FA7636R	TEST10012	View
FAC821T	TEST10013	View
FAC81Q	TEST10014	View
F80999A	TEST10015	View
F81423S	TEST10016	View
F81833E	TEST10017	View
F81288S	TEST10018	View
F81241F	TEST10019	View

MIS Integration

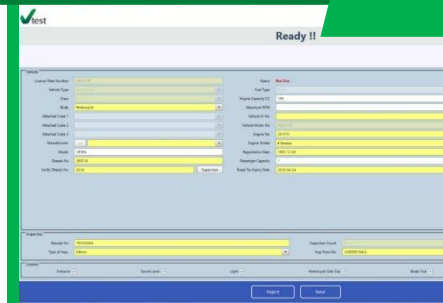
Live Dash Board & Monitoring

Transactional & Operational Reports

Audit Reports

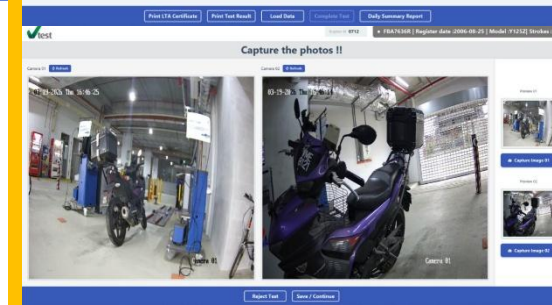
Test Analytics

Lane Optimization Analysis



Break	Weight(Kg)	BR	Sum	Drag
FBR	90.00	57.00	63.33	0.00
ABR	146.00	99.00	67.81	0.16

Light	Luminous (L)	U/D (%)	L/R (%)
	(2000 + 15000)	(2.00)	(-2.0 / 2.0)
	563.00	2.00	-0.50



Utilize predictive analytics to identify or create and exploit their advantages in decision making process, predictions and gap identification

- History of vehicle test data
- Vehicle Pass Fail Status/Detail
- Detail & Summery Reports – Vehicle
- Failure Rates:
- Test Centre Analysis
- Region Wise Analysis, Comparisons & Reports
- Work Hour Analysis

Summary

Corporate Suite

Vtest is a corporate ERP Suite for any kind of Vehicle Inspection Organization to manage end-to-end business process.



Contact Us



(+94) 11 2 850 383 | (+61) 405 151 390



Info@navitsa.com



www.navitsa.com



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Navitsa Pty Ltd.

Level 5, 33 Elkhorn Avenue Surfers Paradise,
QLD 4217. Australia.