



VnVCS
VnV Comptech Systems



V&V Comptech Systems Pvt. Ltd

Value for customer Vision



V & V Comptech Systems Pvt Ltd

Company Overview

Since 1999, VnVCS is providing highest quality and cost-effective IT solutions to global clients. Customers in port, shipping and logistics verticals; and Stake holders of logistics supply chain. With series of products and solutions under its fold, the Company is able to service the entire supply chain including 3PL/4PL companies. Headquartered in Navi Mumbai with support centers across the globe. Completely boot-strapped and profitable business operations



Sea



Road



Rail



Air



Mission

To provide high **Quality**, **Timely** and **Cost-effective** IT solutions to meet Customer needs with **total Satisfaction**

- Quality
- Timely
- Cost Effective



Vision

To be recognized as market leaders in offering IT solutions for Ports and Shipping customers by 2020

- IT Partner
- Solution Provider
- Market Leader

Key Operational Characteristics

- Primarily servicing the private sector clients, including some of the biggest top port & shipping firms for many years
- In certain segments, having 65% market share with 60+ active clients
- Focusing on providing very strong client support:
 - Each product is client specific
 - Each client has a dedicated online support team
- Strong domain expertise enabling to make product customization easy and flexible

Port Operator /
Terminal Operator



Vessel Operator /
Shipping Line /
Agents



CFS / ICD /
Warehouses



Stake Holders

Fleet Operator /
Rake Operator



NVOCC / Forwarder
CHA



Key Clientele *



MAERSK

- PAN India CFS and ICD Operation
- PAN India Container Repair Management
- Terminal Services

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- PAN India CFS and ICD Operation
- PAN India Rail Operation
- PAN India Warehouse Operation
- PAN India Terminal Services
- Common Platform for all stake holders of vertical

HIND TERMINALS

- PAN India CFS and ICD Operation
- PAN India Cold Storage Operation



J M BAXI GROUP

- PAN India CFS and ICD Operation
- PAN India Rail Service
- JNPT Yard Operation

all cargo

- PAN India CFS and ICD Operation

CMA CGM

- PAN India CFS and ICD Operation



**PAREKH
GROUP**

- PAN India CFS and ICD Operation

CENTURIPLY

- PAN India CFS and ICD Operation
- PAN India Repair and Maintenance
- Fleet Management

Key Clientele *

DP WORLD

- Global Data Analytics
- PAN India and MEA region - CFS and ICD Operation
- PAN India Rail Service
- Value Added services for terminal
- Integration services for 3rd party applications

APM TERMINALS

- Centralized auto billing for terminals
- Automated Container and Repair management
- Gate Automation and Navis Integration
- Portal for Terminal



जवाहरलाल नेहरू यज्ञान न्यास
JAWAHARLAL NEHRU
PORT TRUST

- Centralized auto billing for terminals
- Gate Automation and Navis Integration
- Portal for Terminal
- Rail Terminal Portal



THE GREAT EASTERN
SHIPPING CO. LTD

- Insurance Portal
- Solution for vessel services
- Consolidated support for ERP applications

P&O Maritime

- Solution for Maritime Operation

PSA

The World's Port of Call

- Gate Automation and Navis Integration
- Portal for Terminal



Samsara Group
Success In Service

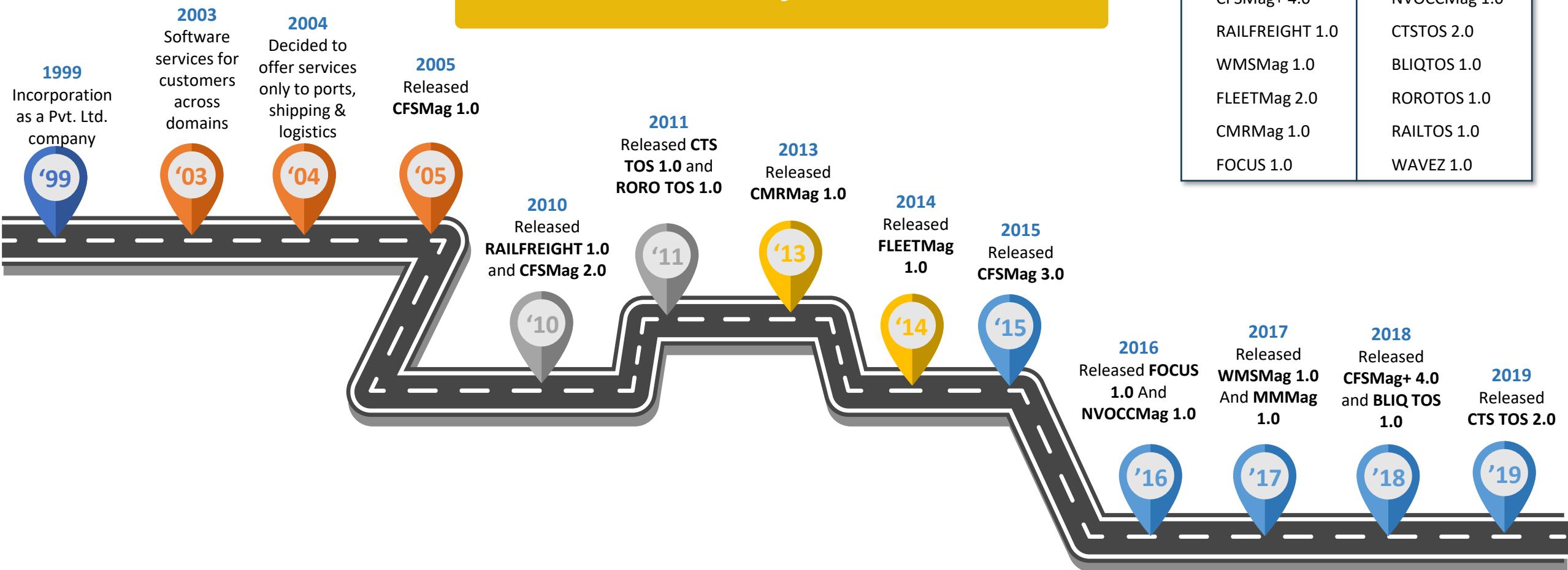
- Container Repair and Management
- Tank Container Maintenance service

BOLLORÉ

TRANSPORT & LOGISTICS

- Portal for Terminal

Journey so far



Current Versions	
CFSMag+ 4.0	NVOCCMag 1.0
RAILFREIGHT 1.0	CTSTOS 2.0
WMSMag 1.0	BLIQTOS 1.0
FLEETMag 2.0	ROROTOS 1.0
CMRMag 1.0	RAILTOS 1.0
FOCUS 1.0	WAVEZ 1.0

Value Proposition

The only company in India offering IT integrated solutions and support services for Ports, Shipping & Logistics customers

Company Overview

Team & Experience

- The turnaround time per customer is low vis a vis others
- Extensive domain knowledge and expertise in the functioning of ports, shipping and logistics space
- Provide deeper engagement to the client

Products

Products across value chain

- VNVCS has developed and is in the process of developing products which are needed by each and every stake-holder in the Ports / Shipping and Logistics industry

Easily customizable products

- Every product can be easily customizable to the clients requirements.



Geography

Domestic

- With only private players as their clients; the company has a entire Government sector to tap

International

- With easily customizable products and experience – global market will be the next target

Customers

Retention

- Out of the total customer base of 60 – 50 of them have been a client for the last 5 years

Replacement

- VNVCS has replaced prominent names in the industry by providing a better product

Tested and re-instated

- VNVCS's product was replaced by another vendor but was re-instated again

3 Pillars of VNVCS

Each product is highly customizable and flexible and can address or cater to every stakeholder in the Logistics/ Shipping / Port eco-system



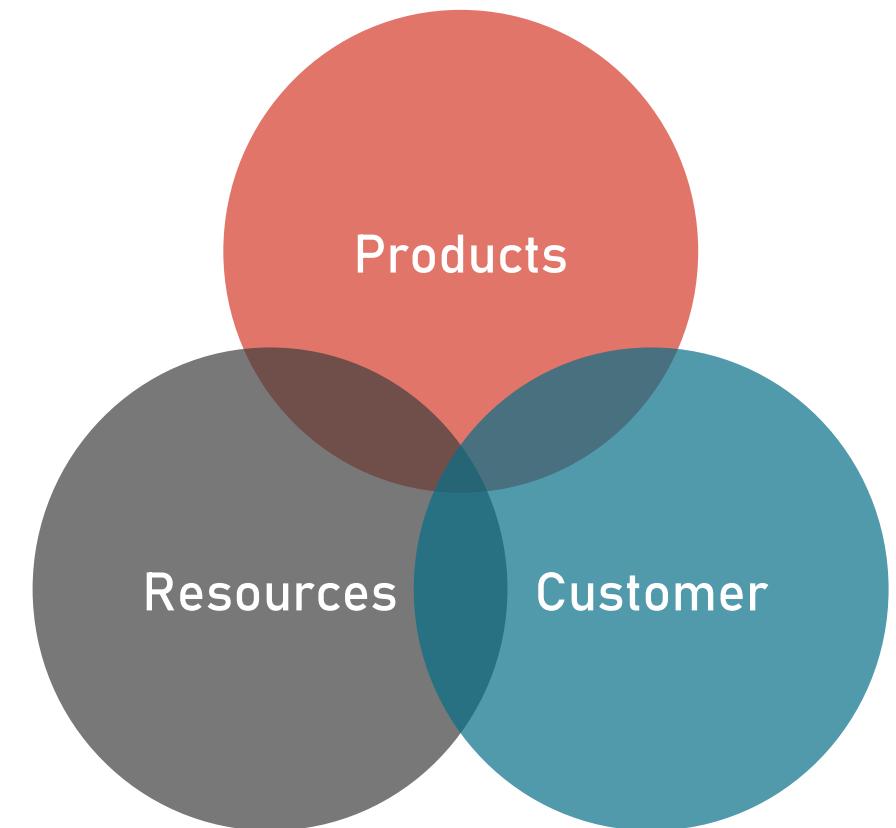
The products are developed by a team of skilled team with very high domain and technical expertise.



The current client base is used to VNVCS products and have been associated with VNVCS growth. Also, each client has a very special relation with the team



All 3 have equal importance in the VNVCS ecosystem – each one is inter-dependent on the other and are important for VNVCS's growth

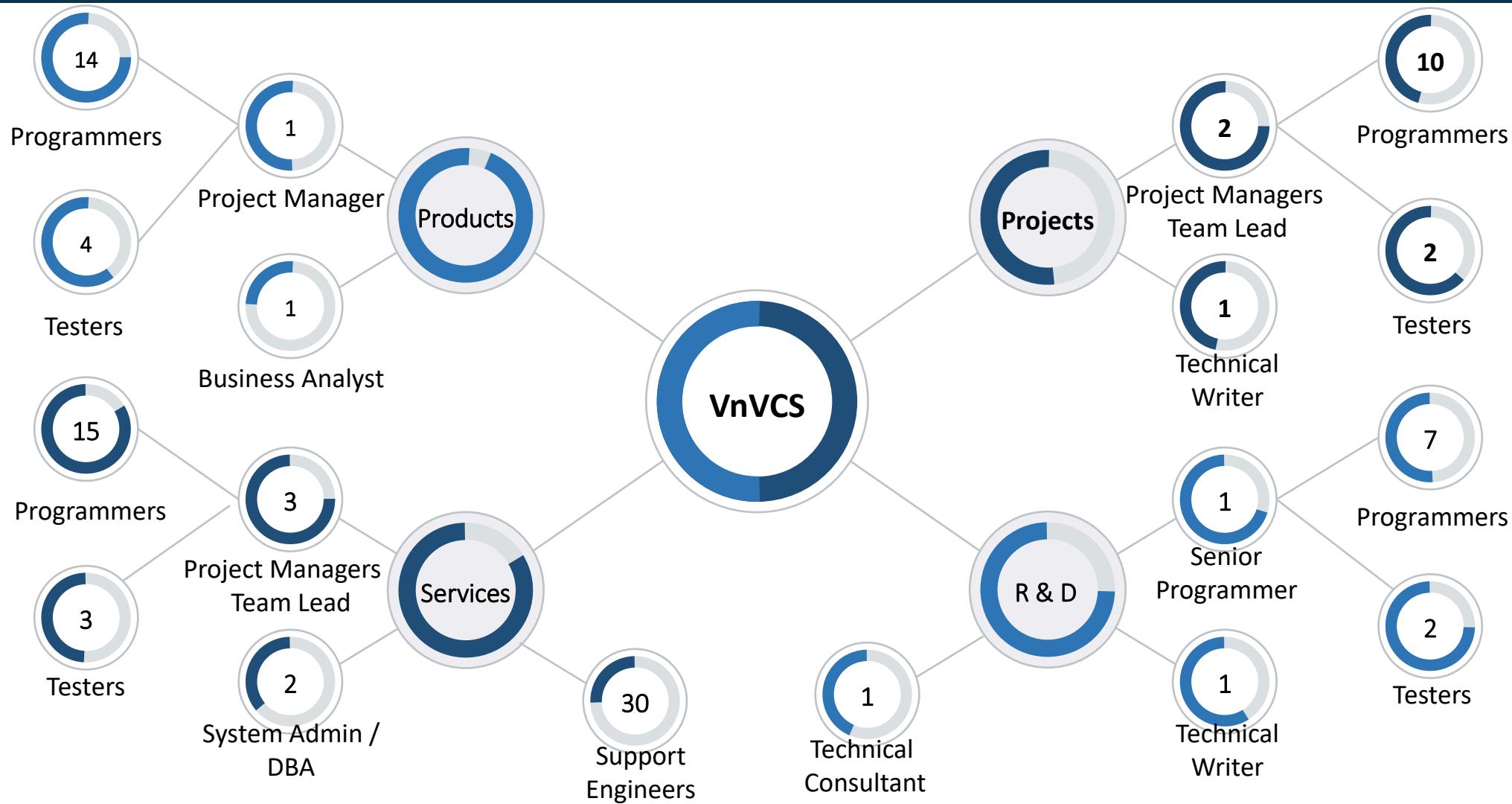


Team

Company Overview



Engineering





Company Overview

Technologies



OS - Windows Server 2008/12/16, Red Hat Linux 7

Database - Oracle 10g/11g /12c, SQLServer 2008/2012/ 2016, SQL Lite



Framework -.Net Framework 3.5 and 4.5, MVC 4, Entity Framework, ADO.Net, CORDOVA, J2SE, J2EE, Android, Windows Compact Framework, WPF, WCF, AJAX



Development Tools - Visual Studio 2008 / 2012 / 2017, Visual Code , Eclipse, Android Studio, TOAD, PL SQL Developer, Adobe Photoshop

Testing Tools - Selenium, ZAP



Languages - VB.Net, C#, Type Script, Java Script, LINQ, Java, PL SQL, T SQL

Frontend Technologies - HTML 5, CSS 3.0, Bootstrap, Jquery, Node JS, Angular JS, Angular 8, Electron



IOT -Gate Automation, RMG Interface

Version Control - TFS 17



Interface / API - RFId Interface using Web API , OSB using Web API, Bar Code Scanner Interface, Google API, SAP Interface

Industry Brief “The Logistics Software Industry”

Trade for Logistics Industry through sea, road, rail and air demands involvement of multiple stake holders. Today, the focus is to digitize all processes to bring all stake holders on a common platform. In the current scenario the digitization across the trade is ~ 20%. In order to increase the same, it is a must for all the stake holders to adopt the processes to satisfy the common platform needs.

While adoption of software solutioning for Logistics Industry across the globe ~64%, but in the domestic market it is relatively minimal. In order to manage the business potential in domestic market, ~50% it's a must for us to invest multifold on IT industry.



Sea



Road



Rail



Air

Key trends in the industry

Logistics Industry

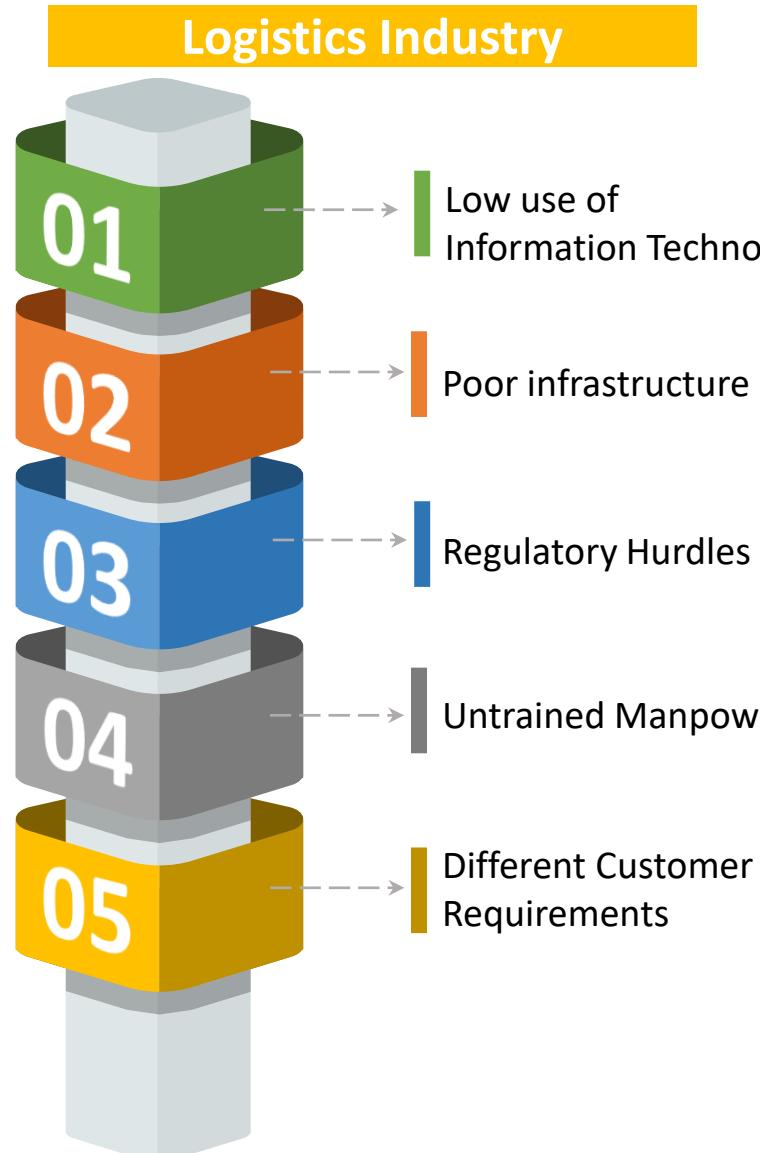
- **Infrastructure enablement** – with a view to improve supply chain efficiencies, following initiatives have been taken by the government:
 - Bharatmala project - to strengthen the countrywide road network & improving connectivity with the interior and backward areas of the country
 - Dedicated Freight Corridors – to decongest road network & reduce freight transit times from industries in north India to ports on the eastern and western coast
- **Regulatory policies –**
 - **GST** - laid the foundation for the setting up of large format multi-modal logistics parks along key consumption and industrial centres which can function as freight aggregation and distribution hubs
 - **Relaxation in FDI regulations**
- **Technology leverage** – The new age technologies like artificial intelligence, internet of things, and machine learning will help in boosting efficiencies of supply networks, reduce wastages and lead to supply chain optimization

Ports & Shipping Industry

- **Government initiatives –**
 - Sagarmala project – to double India's coastal shipping share and aims at formulating a comprehensive shipping policy and optimizing the country's maritime assets
 - Port community system (PCS) – The PCS is a centralized single window platform, which serves as a message exchange gateway for port community. All the 12 major ports have been integrated with PCS
- Replacing manual forms with web-based e-forms
- Installation of scanners and radio-frequency identification (RFID) for gate automation
- **Pursuing 'Make in India'** - Shipbuilding and ship repair policy aims at setting up a maritime development fund to financially assist the domestic ship building industry

Industry Brief

Challenges faced



"Integrated software solution" is the key

Sr. No.	Problems	Reasons	Solution
1.	Customer Service	Right product in the right quantity to the right place at the right time.	Single Window to serve all business entities
2.	Cost Control	Improper planning and managing resources by stake holders	Optimize Planning, Scheduling and Monitor
3.	Supplier/Partner relationship	Important to create, understand and follow mutually agreed upon standards to better understand not only current performance but also opportunities for improvement	Supplier-Partner integration system
4.	Governmental & environment regulation	Indirect Taxation, Regulation for import & export, inland transportation	Comprehensive IT system for transparency
5.	Increase in delivery lead time	Manual processes adopted, no initiation by many stake holders to adopt automation processes.	Digitization and automation will reduce the turn around time
6.	Challenges of warehousing	Limited space availability, requirement of accurate & up-to-date information on stock	Inventory Management system
7.	Synchronization between operations and finance	Lack of checks and controls not adopted in operational services with respect to financial controls	Operation and Finance tight Integrations



Integrated Logistics Software Solution

Multi Modal Solution for Logistics

Multi Modal Solution

Multi Modal Solution addresses the business and operational needs of Container Freight Stations, Inland Container Depots, Rail Terminals, PFTs, Rail Siding Operation, Rail Service, Rail Movements, Fleet management, Warehouses, Empty Yards and Maintenance and Repairs

VnVCS services range from implementation of our own products suitable for mentioned business needs with desired customization and also building integration with enterprise applications.



Sea



Road



Rail



Air

Why you need a Software for Multi Modal Logistics

Multi Modal Solution

Providing better service to customer by

- Connecting / Servicing customer by Portal and Mobile Apps
- Digitization of documentation process

Bringing Stake Holders in common platform

- Information exchange online
- Ensure data accuracy across stake holders

System driven operational process

- Optimum use of Yard, Warehouse, equipment and resource
- Capturing every activity performed
- Minimize Turnaround Time of Truck / Trailers/ Train
- Measure Operation Efficiency

Ease of Billing. Measure operational expense and revenue

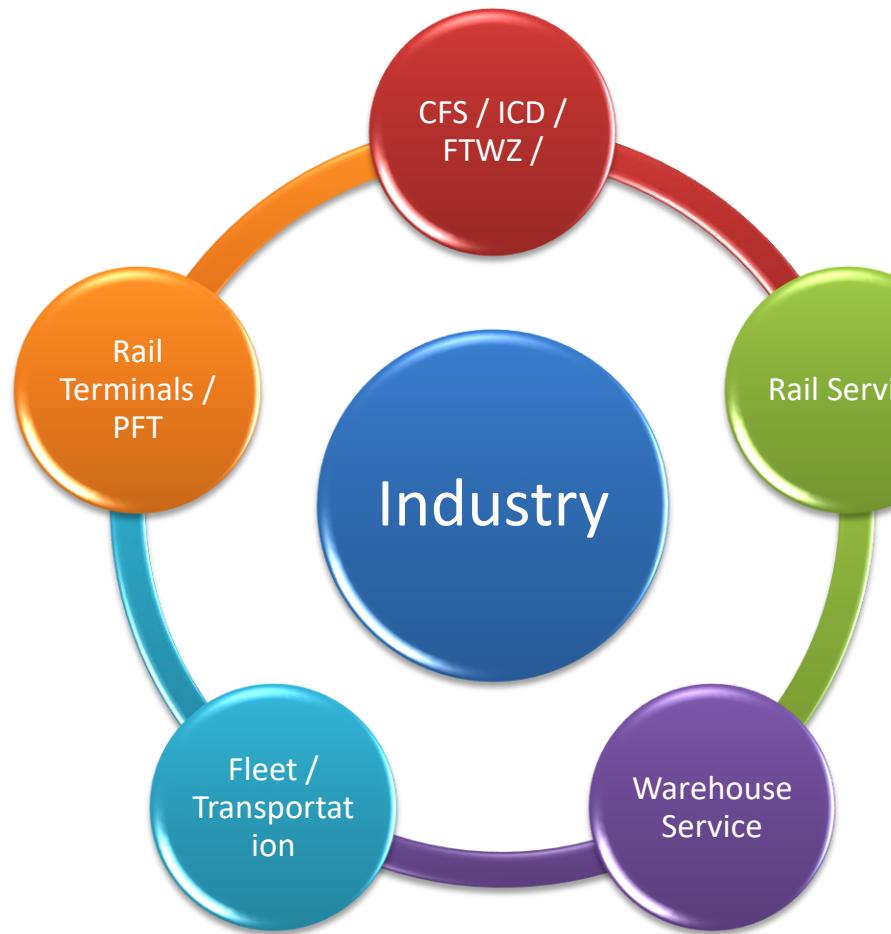
- Accurate online Billing Process
- Validation of vendor billing for activities performed



Multi Modal Solutions

Multi Modal Solution

Multi Modal Business needs

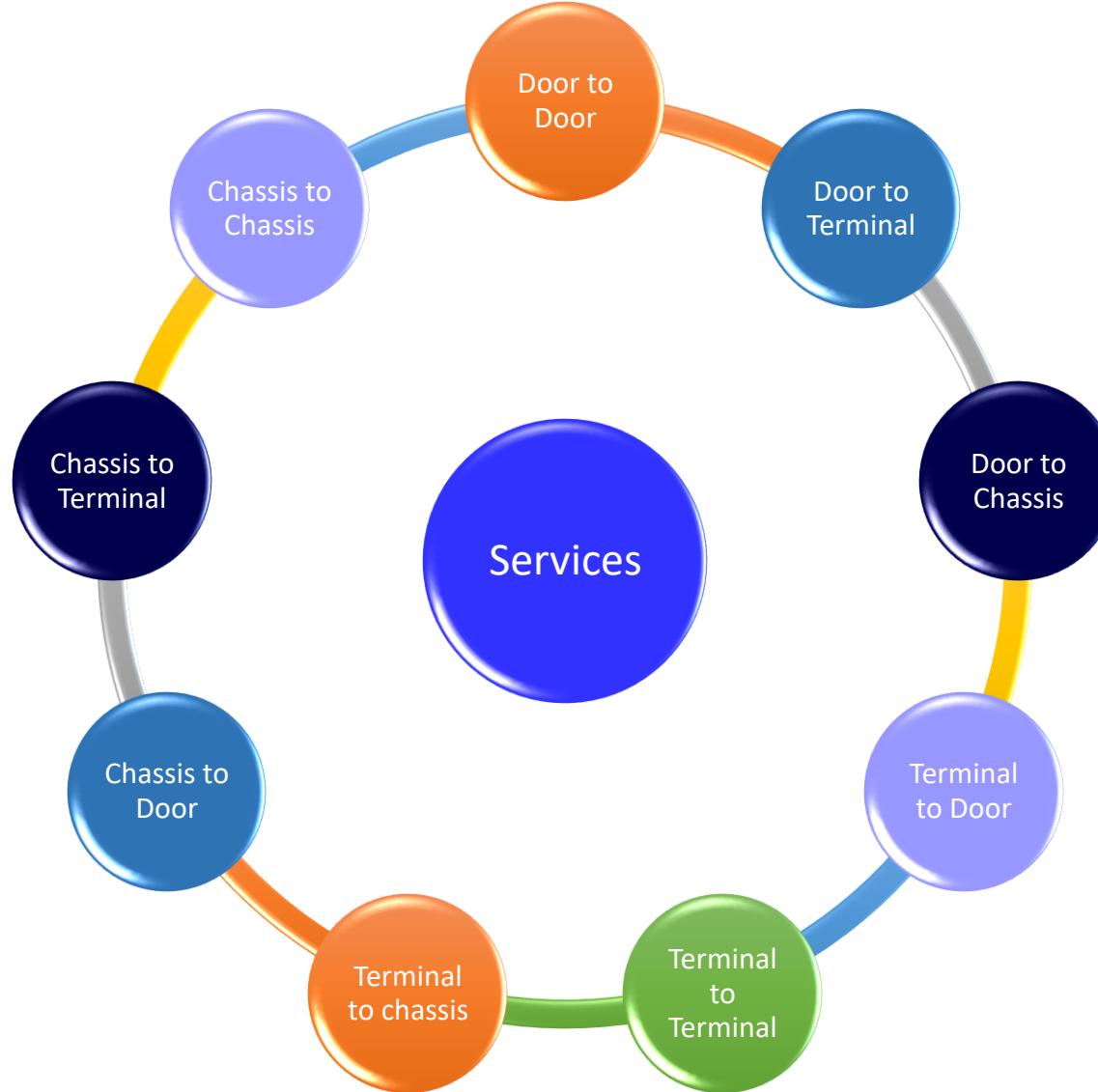


VnVCS Integrated Solutions



Services in logistics

Multi Modal Solution



Services in logistics

Multi Modal Solution



Services in logistics



Key products and their features

CFSMag+ 4.0

Industry segment catered to -

For Container Freight Station and Inland Container Depots. CFSMag streamlines the process flow of CFS and ICD Operations with warehousing.

- Domestic Installations **82**
- Replaced other systems **52**
- Global Installations **4**

Product Features

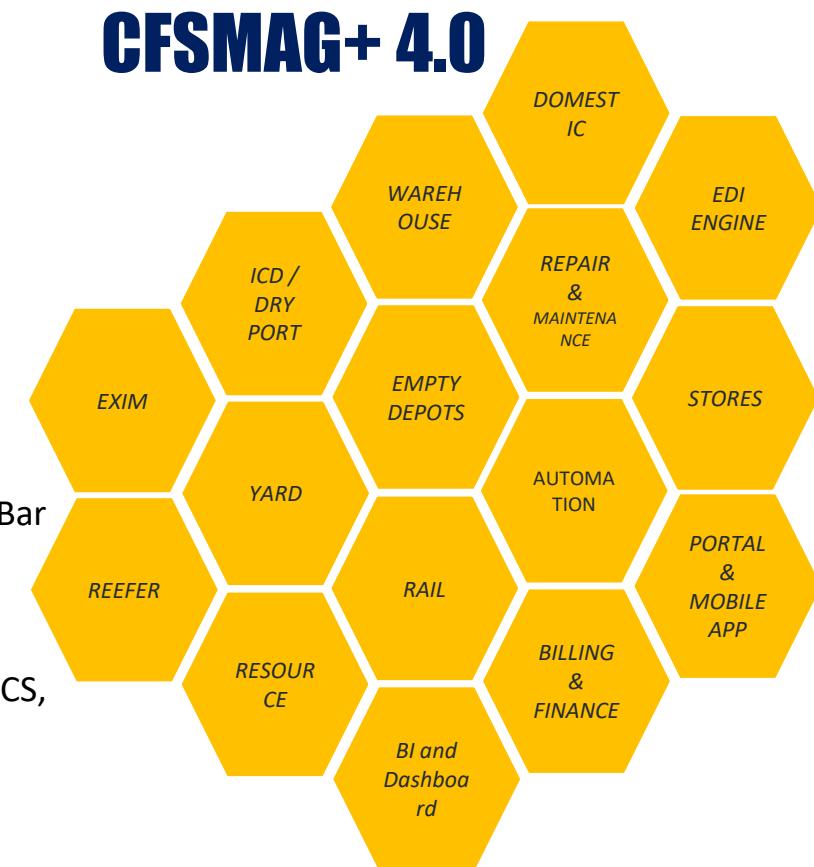
- One stop solution to streamline documentation
- Workflow automation of EXIM and Domestic life cycle
- System for Yard & Warehouse management, Bonding Operations, Empty & Buffer yard management,
- System to synchronize transactions with Freight Forwarders, Liners, Customs, Agents and Terminal Operators
- Container Tracking and Tracing
- Contract Management, Billing and Credit Controls
- Customs / PCS Integrations
- Resource Planning and Scheduling
- Automation process and Real time integration
- Mobile App and Portal for Customer
- KPI and MIS Reports

CFSMag+ 4.0 – Enterprise Solution for Dry Port / CFS / ICD

Multi Modal Solution

CFSMAG+ 4.0 is a complete supply chain management and ERP solution for Inland Container Terminal, Dry Port, Container Freight Station along with domestic, EXIM and empty depots. CFSMag+ 4.0 tight interface APIs used for online interface with VnVCS products like FleetMag, CMRMag, Gate Automation, Empty Yard and even 3rd Party solutions like SAP, Oracle Fusion, Maximo and BI

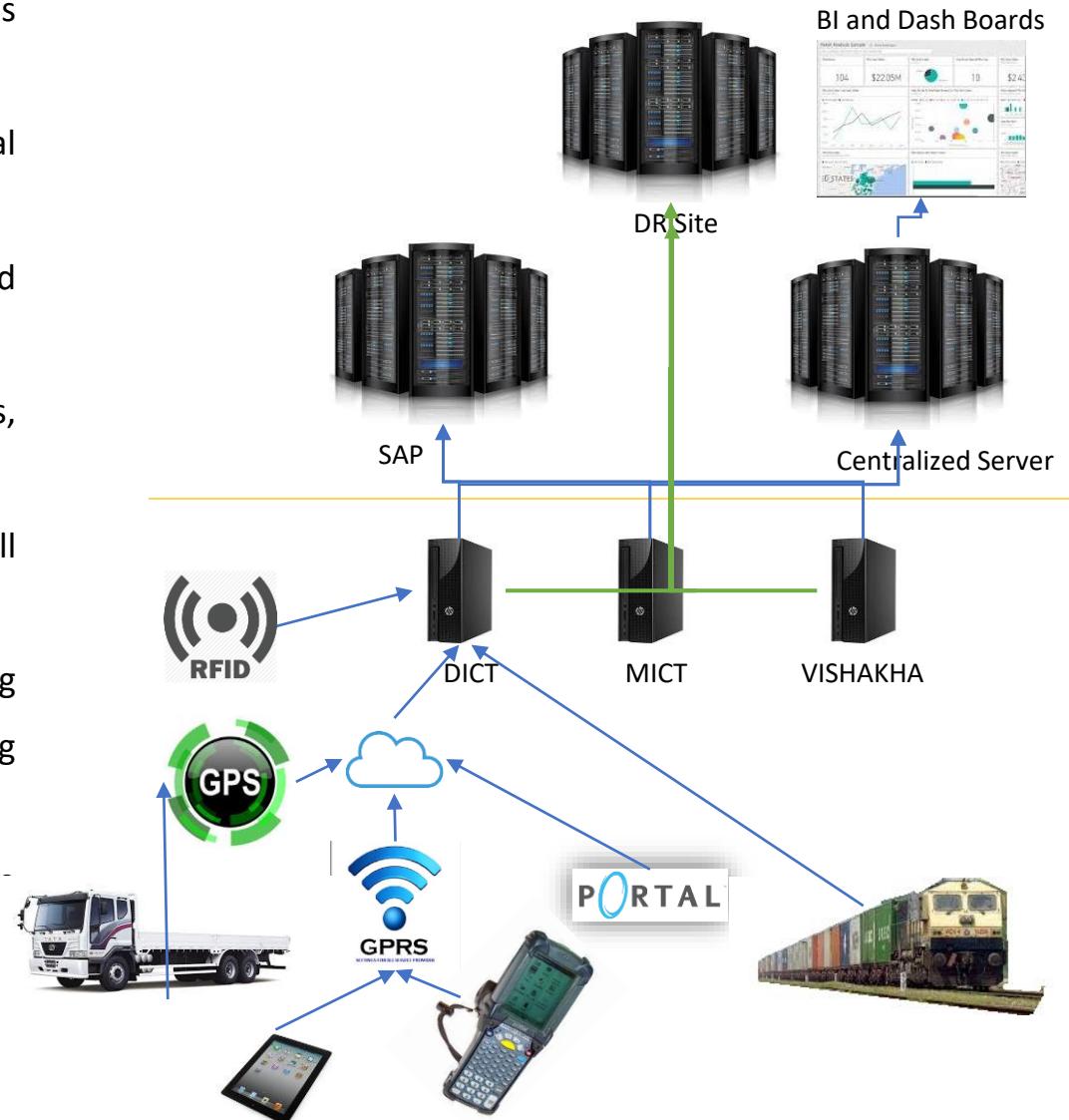
- EXIM and DOMESTIC Operation
- Automated Warehouse planning and operation with 3PL and 4PL activities
- Automated Yard Planning and Operation
- Automated Rail Terminal / ICD Operation
- Digital weighbridge Integration
- Resource Management including Equipment
- Manage Project Cargo, 3rd Party Inventory & Break-Bulk Cargo
- Gate Automation for Container and Cargo movements
- Rail Siding Operation for 3rd Party ICDs and 3rd Party Rakes
- Real time Data capturing for Yard and Warehouse Operation using RFID and Bar Code
- Online Fleet interface with GPS Devices
- User Configurable EDI Engine covering ICEGATE, FOIS, UN-EDIFACT, PCS, CUSTOMS, VGM and shipping line proprietary messages
- Customized Billing / Tariff configuration
- BI, Dashboards and MIS Reports



Multi Modal Solution

Architecture

- Single Software, Common Architecture for multiple ICDs and CFSs
- Option of location-based database to ease the local operation
- Centralized database replicate local database at centralized server
- Centralized database used for management reports, statistics report avoids load on local system
- Online ERP Interface with 3rd Party financial solutions will be built using Middle level staging interface
- Realtime data of warehouse activities is captured using iPAD with Bar code reader connected with local server using GPRS
- Application on Hand-Held Terminal (HHTs) and Vehicle Mount Transmitters (VMTs) can be used for operational activities of Rake, yard and warehouse
- Gate Automation using RFID & CCTV solution interface
- Equipment Performance monitoring using RFID interface



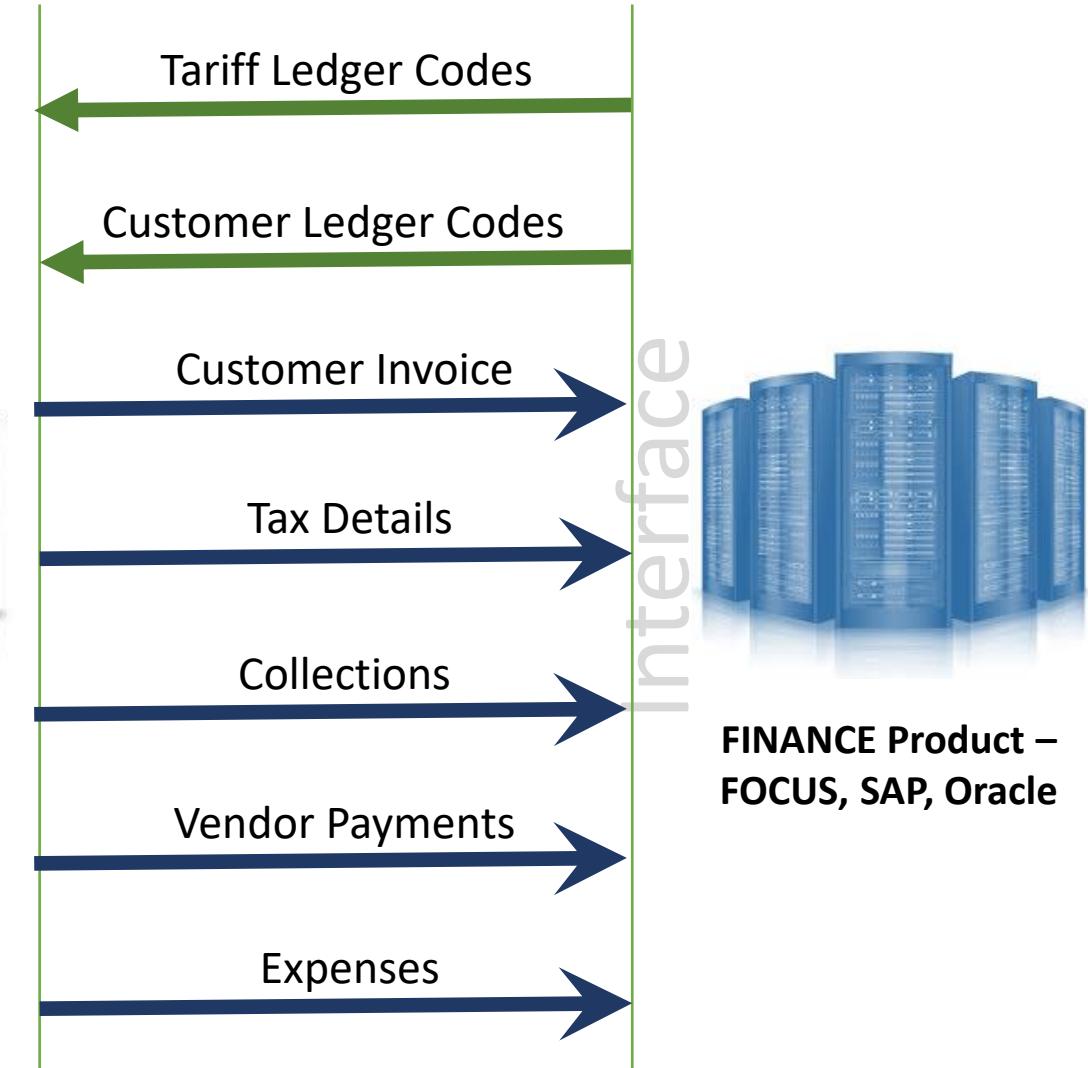
CFSMag+ 4.0 – API Features for finance ERP Interfaces

Multi Modal Solution

- Customer Invoices
- Taxes
- Tariff Ledger
- Customer Ledger
- Payment Collection from Customer
- Vendor Payments
- Expenses Accruals
- Credit Notes

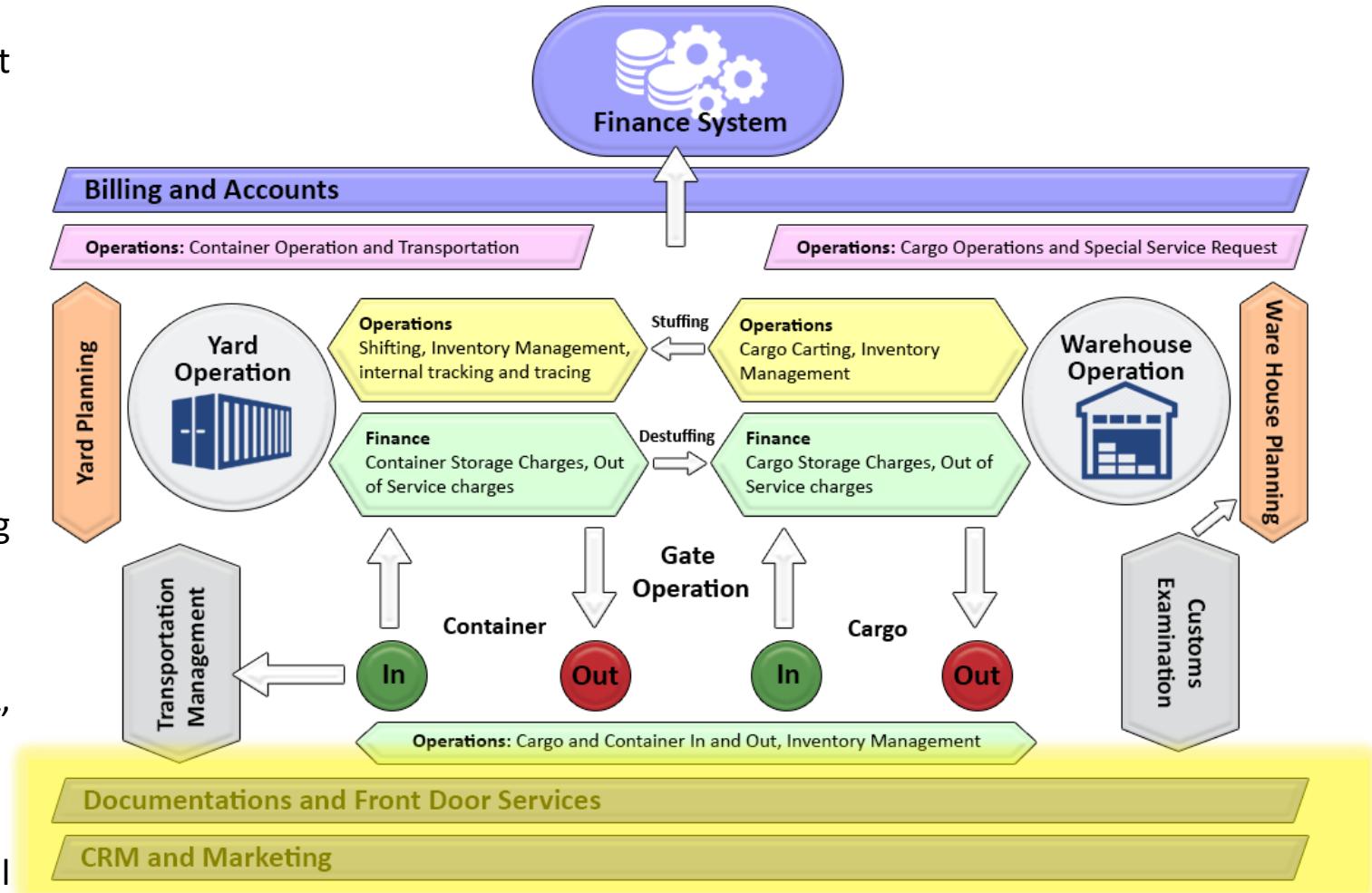


CFSMAG⁺ 4.0



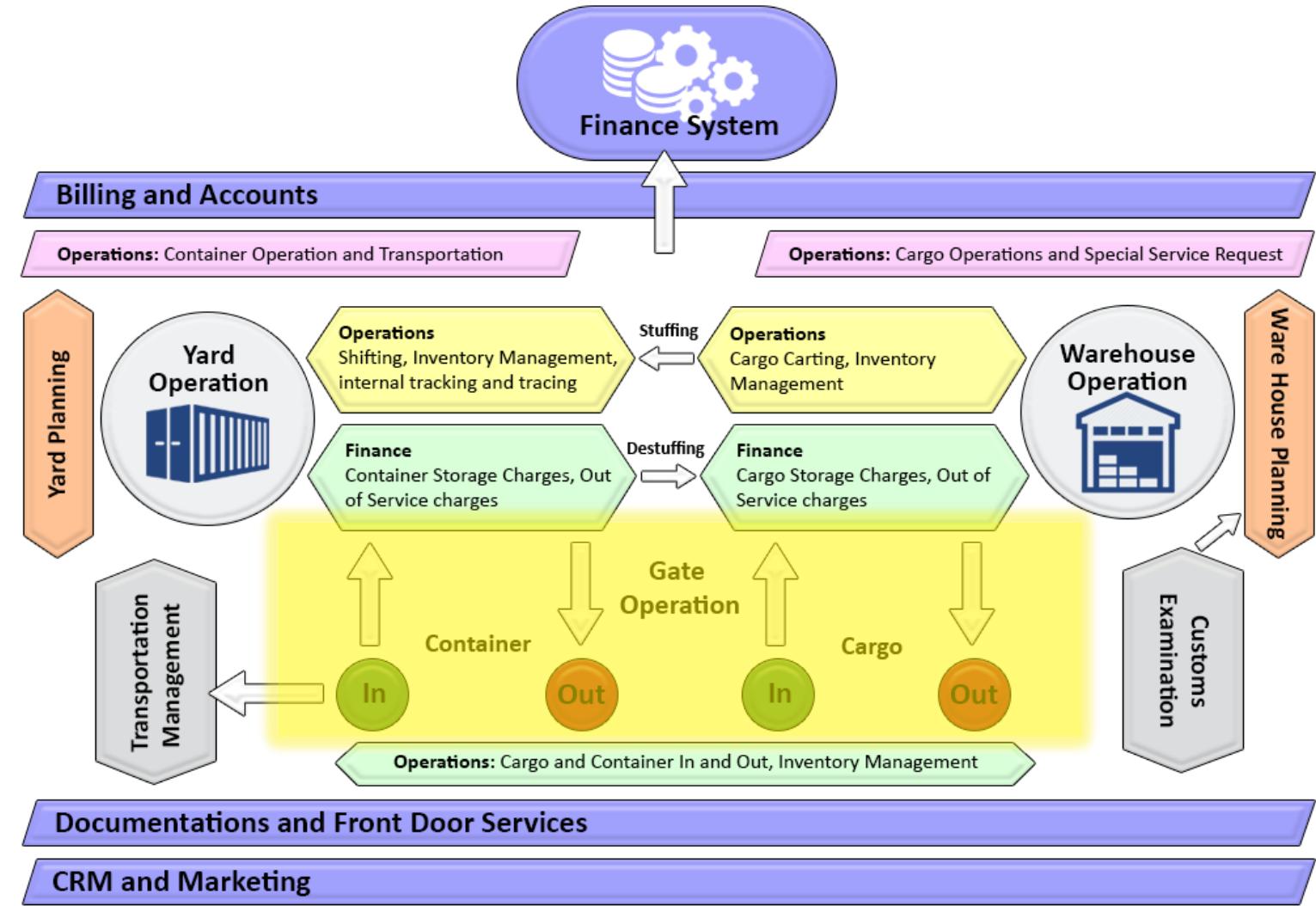
CFSMag+ 4.0 – Portal Service

- Customer Request for Value Added Services
 - Shipping Bill and BL Update with Document Upload
 - DO Updation with Scan Document Upload
 - Booking for EXIM and Domestic Operation
 - Warehouse Booking
 - Transportation Booking
 - Rakes Booking for Container and Cargo
 - Estimation while booking
 - Leads escalation process for marketing team
 - Container and Cargo Tracking
 - Tracking and Tracing – Container, Cargo, BL, Booking Reference Number basis
 - Payment Gateway
- CFSMAG+ 4.0 facilitate to interface portal with 3rd party CRM like Salesforce



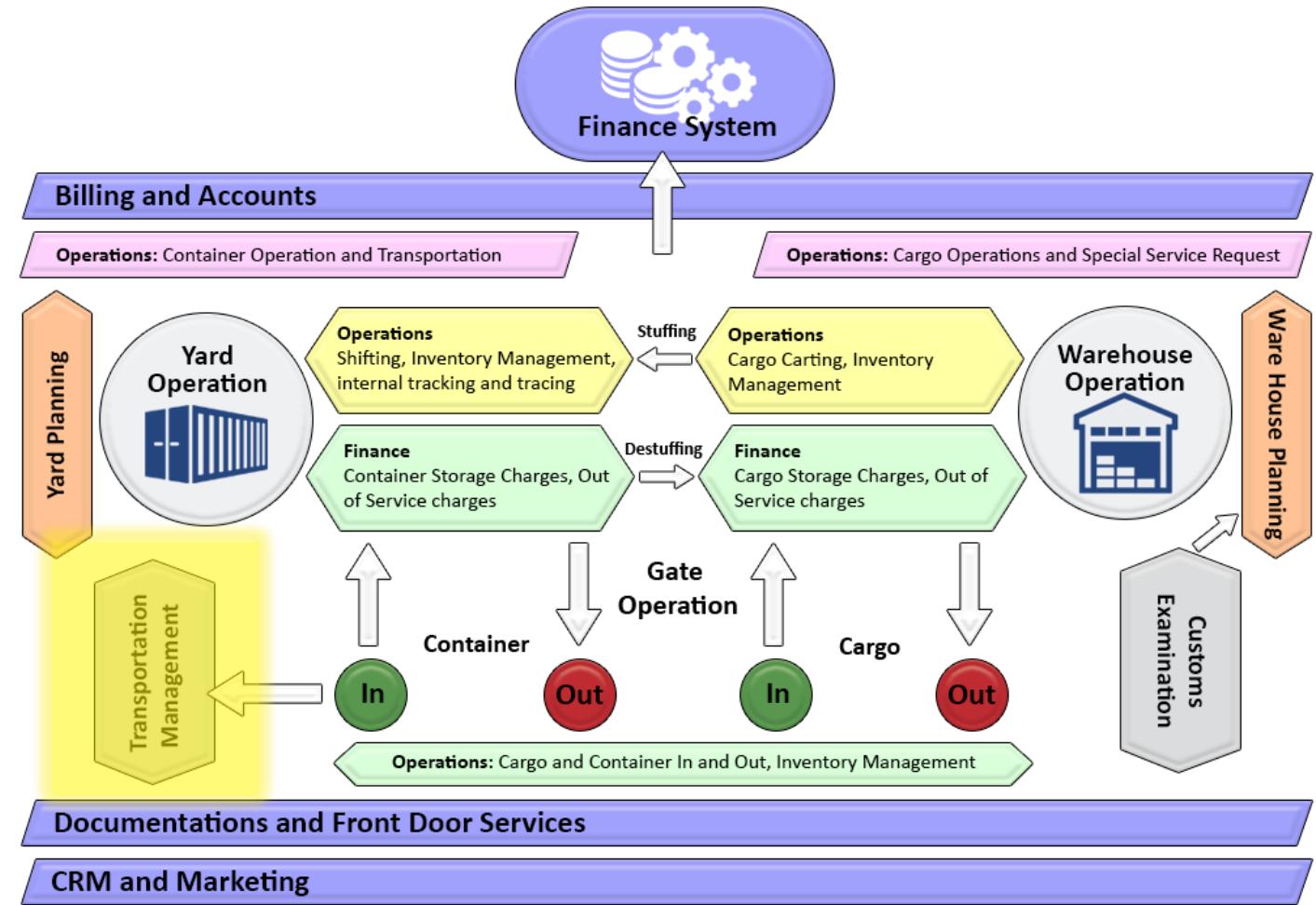
CFSMag+ 4.0 – Gate Automation

- Process driven vehicle movements through gates
- RFID Solution interface to automate yard slots allocation for container
- Control vehicles entry with automated boom barriers
- Gate EIR generation, Security Check interface with wireless app using IPAD.
- Auto Container Image capturing ease for container survey at gate
- Customs approval enabling for container movement as part of automated solution
- Driver Identification mapped to container and vehicle movements



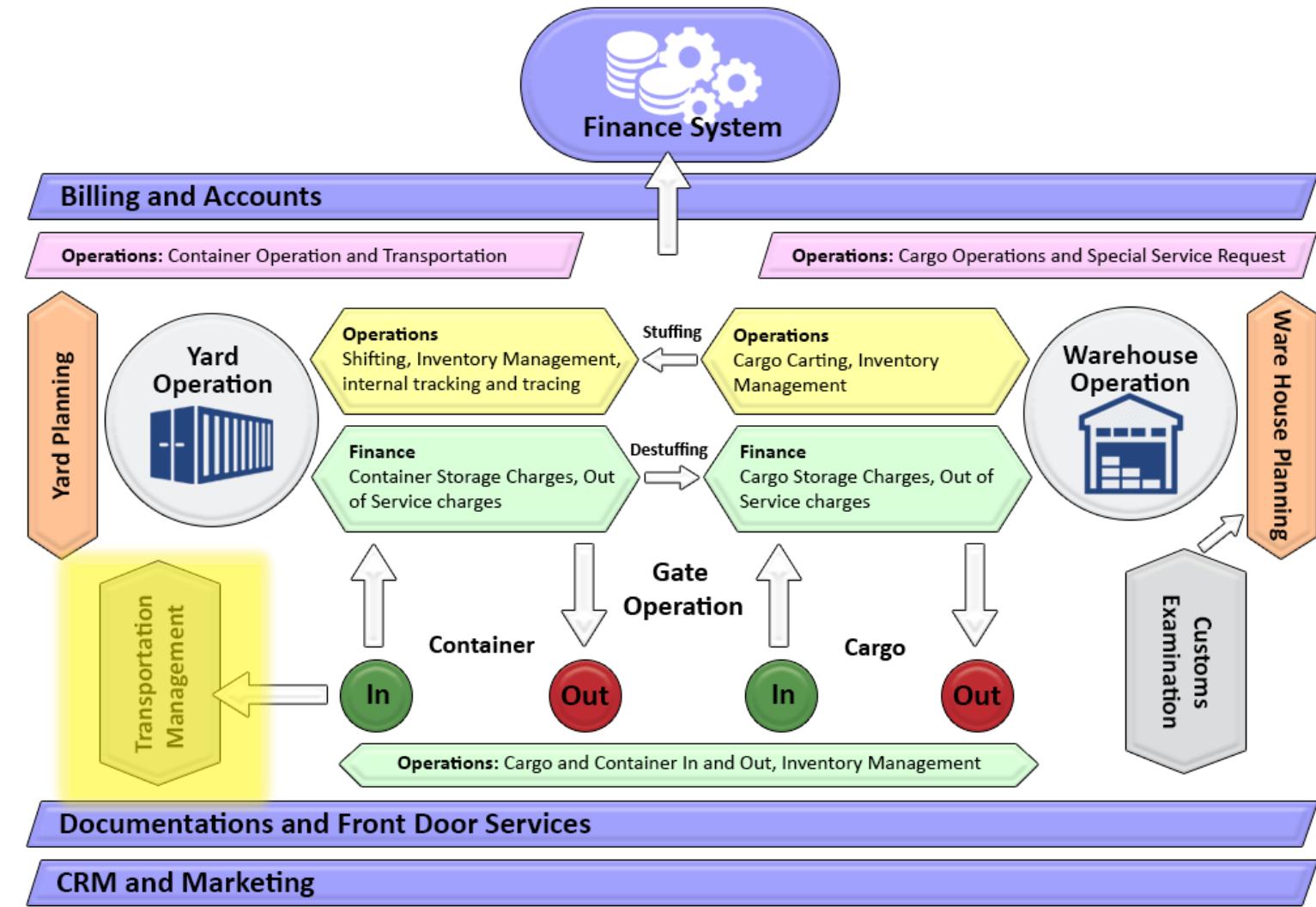
CFSMag+ 4.0 – Transportation

- CFSMAG+ 4.0 interface with FLEETMAG enables complete solution for Fleet operation
- Truck, Trailer and Driver resource management optimizes resource usage
- Driver Management with Finger Print Scanning facility avails driver's license tracking and monitor other security measurements
- Trip Sheet Management facility provides cash voucher and trip settlement
- Customer billing
- Trip productivity
- GPS device Interface
- Truck and Trailer Maintenance tracking
- Lease Truck Management
- Container and Vehicle tracking to support planning



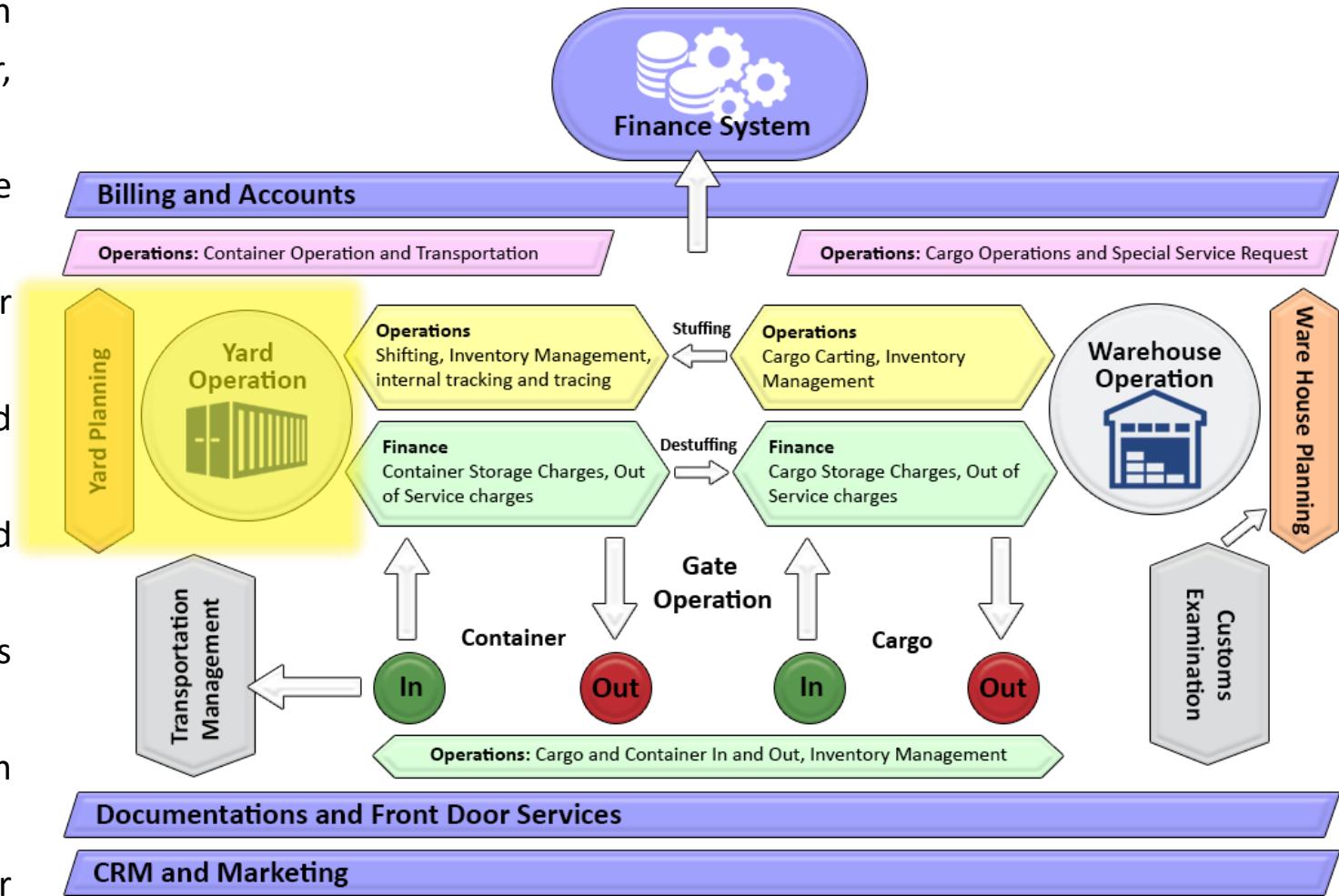
CFSMag+ 4.0 – Transportation by Rail

- CFSMAG⁺ 4.0 addresses functionalities of Intermodal Container Terminal (ICT / ICD) operations at Rail sidings
- Rake Planning for EXIM and Domestic cargo movements
- Rake loading and Unloading with Container or Bulk Cargo
- Vehicle movement segregation for Rail siding and CFS gates
- Yard operations management along Rail siding
- System driven work allocation for Equipment use loading and unloading of rake
- Billing for 3rd party container movements over rake



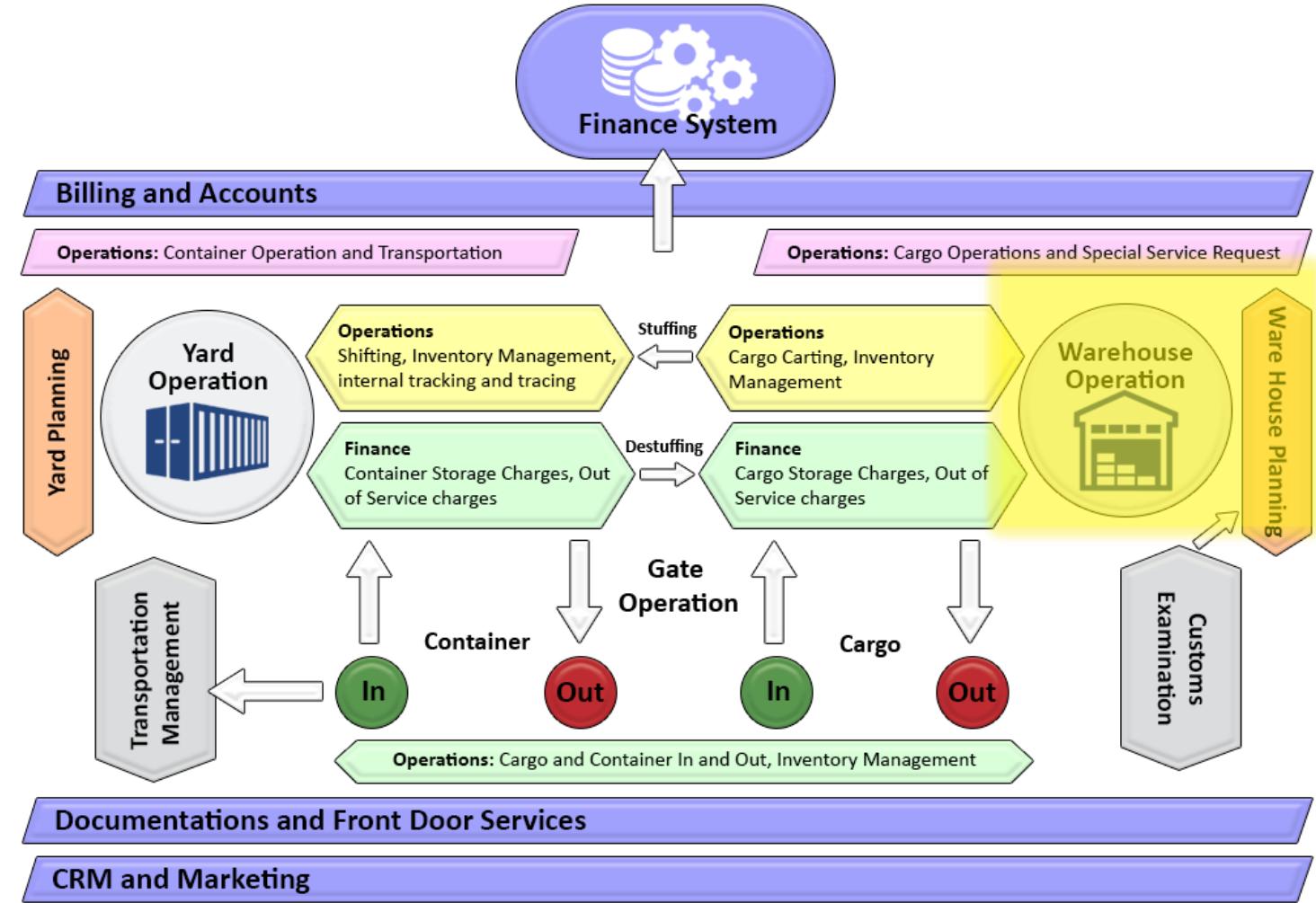
CFSMag+ 4.0 – Yard Planning and Operation

- Yard Planning against Tasks Calendar
- Facility to plan the yard based on Consignee, cargo, BL, Booking Number, Commodity
- System provides facility to auto update yard location of container using RFID
- Weigh Bridge Integration update container weighment online
- Online data capturing from Handheld Terminal (HHTs)
- System driven process at gate to unload container based on Yard Planning
- Productive and Unproductive moves capturing
- Equipment Operator Information capturing
- Equipment Productivity and Operator productivity calculation



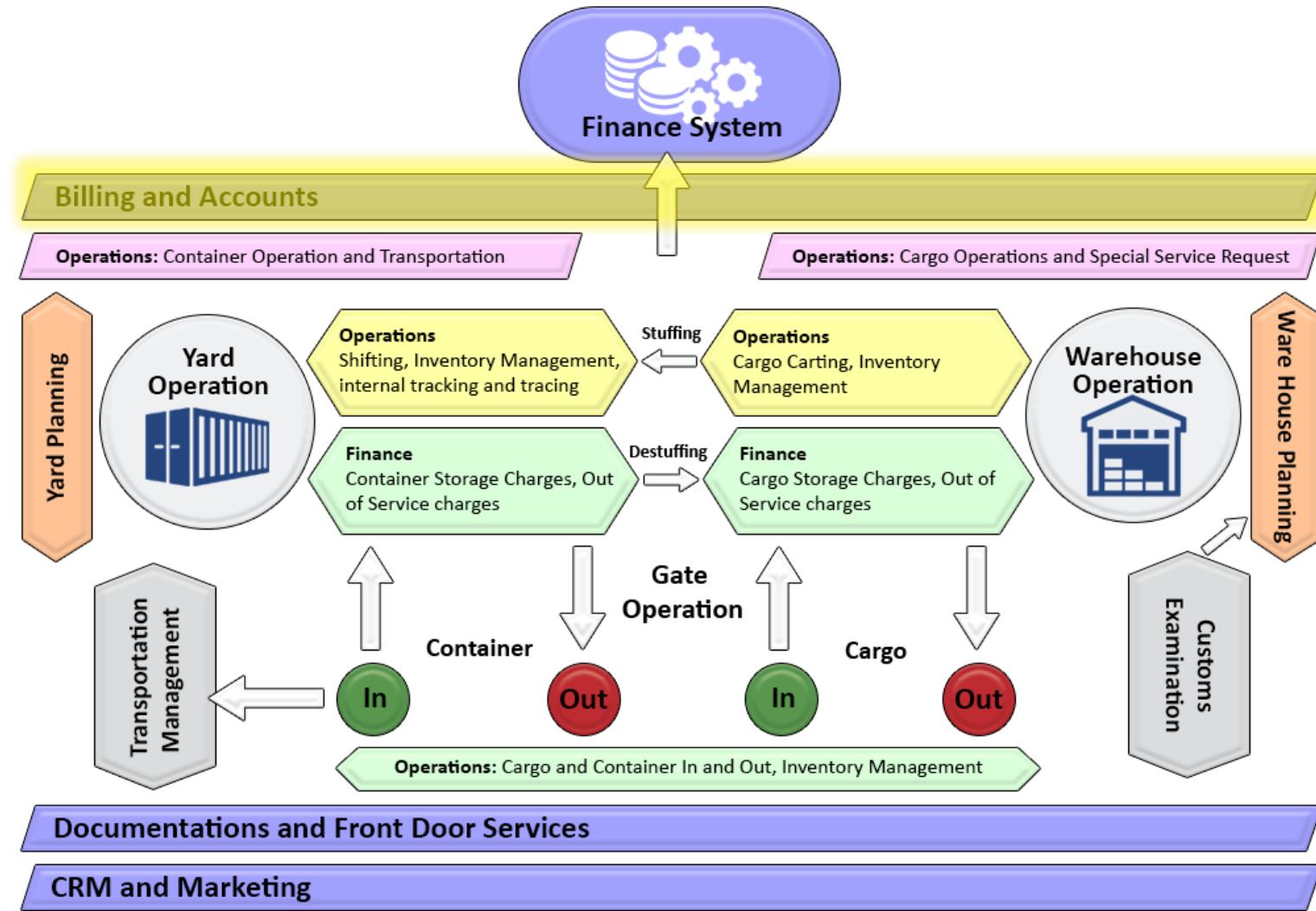
CFSMag+ 4.0 – Warehouse Planning and Operation

- Facility to configure warehouse based on 2D and 3D Modals
- Manage 3 PL activities
- Real time data capturing during Warehouse operation using IPAD and Bar Codes
- Project Cargo, Domestic Cargo, Break Bulk Cargo Management
- Warehouse planning based on Customer Booking, Commodity, BL etc.
- Warehouse billing based on Volume, Weight, Area, Units with different business logics
- Real time data updation for Carting, Stuffing, destuffing, shifting processes
- Proactive input on optimal warehouse space utilization
- Track work assignments and resource performance



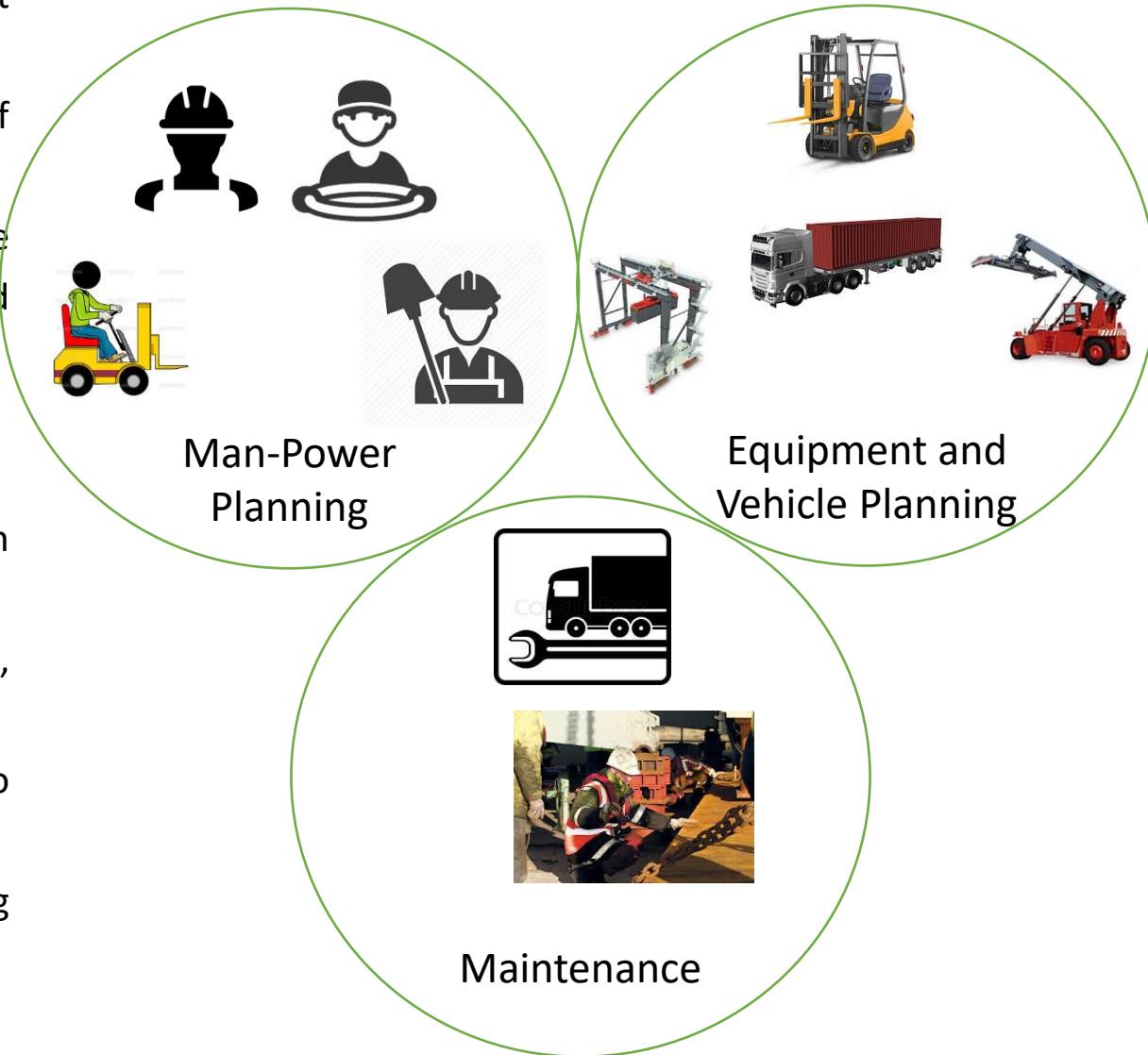
CFSMag+ 4.0 – Billing and Invoicing

- Facility to configure standard tariff structure
- Special Tariff Rates also can be configured as per customer contracts
- Portal facilitates Online Cost Estimation along with probability to meet preconditions of service to customer
- Being tightly mapped with every Operation activities ensures zero revenue leakage and appropriate assessment of operations efficiency
- Operational control for holding cargo and container for payment dues
- Credit Controls
- Consolidated billing for Handling, Transportation and Rail Freight
- Interface with ERP system like FOCUS, SAP, IFS, Tally ERP and Oracle Financials



CFSMag+ 4.0 – Resource Management

- Resource – Manpower, Vehicle and Equipment Planning facility against Order booking
- Online Job Queue facilitates for execution of job orders
- Recording details of equipment preventive maintenance, planned maintenance and breakdown
- Monitor fuel consumption by each vehicle
- Alerts for preventive maintenance
- Alert for hiring 3rd party equipment based on order booking
- Managing inventory in stores for equipment, vehicle and container repair / maintenance
- Optimal selection of available vehicles suited to perform the task - Own, Leased or 3rd Party
- Assessment of transporters and gang performance



Key products and their features

Multi Modal Solution

RailFreight 1.0

Industry segment catered to -

For Rail Operators and Rail Services.

Product Features

- Workflow Application for managing rake operation
- Resource Management
- Rake planning, Operation
- Hub and Spoke Business
- BCN Rake Operation
- CAR Wagon Operation
- Multi Commodity Operation
- Door - Chassis - Terminal business
- Contract Management, Billing and Credit Control
- FOIS, PCS and EDI Integration
- System to synchronize transactions with Freight Forwarders, Liners, Customs, Agents and Terminal Operators
- Container Tracking and Tracing
- Automation process and Real time integration
- Mobile App and Portal for Customer
- KPI and MIS Reports

RailFreight - Overview

Rail Operation is one of the key terminal operation in land side activities, which covers large landside cargo and container movement of the terminal operation. Rail Operation involves many 3rd party stake holders such as Shipping Line, Railways, Container Terminals, Transporters, CTOs and Customs. Information exchange with all the stake owners is a key operation in the rail terminal. Consolidation of Container from different Terminals / Yards is the tedious process in the Rail Terminal. Rail turnaround is the key measurement for the rail terminal, which achieved by optimized planning of rakes, yard, equipment and manpower. Tracking of cargo and container is the critical activity, which impacts the productivity.



RailFreight designed as an independent solution which provide clear visibility to all internal and external stake owners, provides platform to all the stake owners for information exchange. Rake, yard planning based on different parameters, inventory management, optimized work allocation to the equipment and resources, online execution monitoring

RailFreight - Objective

RailFreight system objective is

- Better visibility of entire operation and flow of terminal within Rail Terminal and outside of Rail terminal
- Visibility of rake movements and operation real time through control room process
- Efficient Resource Management utilization of ITV, Container handling Equipment (RS, RMG, ECH) and Operators
- Help to reduce Train Turnaround time of rake terminal operation by better planning and optimized operation
- Reduce un-organized operational process like last movement pickups of container, waiting of equipment for unknown container feeding to rail
- Online work allocation to ITV and Handling equipment using VMTs , Handle Terminals by control room
- Reduce unproductive movements from multiple terminals using better planning
- Electronic Manifest information capturing in-time from Rail Operators and other data sources
- Validation and Verification of operation to avoid statutory issues and safety measures
- Better planning of container, rakes, equipment, operator and ITV
- Avoid dependency of other systems for data, independent solution for Rail Operation
- Better tracking of rakes, containers and cargo
- Reduce manual work by using system driven process

RailFreight - Benefits

RailFreight system Benefits are

- RailFreight is the independent system, which maintain all ICD container inventory, resources and documentations
- Portal and EDI Engine provides advance manifest information exchange with stake owners
- Portal provides valid status of container, rakes information, which avoid customer calls to the service desk
- Optimized planning module provides to identify the inventory from all the terminals to plan with Point of work allocation and ITV allocation.
- Pre plan process helps to reconcile all the inventory in rail terminal in advance to reduce train turnaround time
- Job Queue system facilitates to automatic allocation to ITV Pools to do operation,
- Each container move will be assign to ITV for Transportation and RMG / RS for Rake Handling, which give work instructions to the vehicle and equipment.
- Integrate with Container TOS to identify ICD container inventory
- Sequencing loading and un loading optimization process for RMGs / RS to avoid crane clashes
- Auto Removal Memo generates to CTOs
- Auto Reconcile of terminal ICD containers for inter terminal billing
- Auto invoicing support with approval escalation process

RailFreight – Modular Architecture

RailFreight designed with tight interface APIs which used for online interface with FOIS, ICEGATE, TOS and other systems

RailFreight provides

- EDI Exchange for Arrival Memo and Load Plan for 3rd party Rakes
- EDI Exchange with Shipping line for SMTP Clearance
- Online Removal Memo to CTO, Pendency report to shipping line and CTO, Online Container / cargo Status monitor
- Complete ICD Container / cargo Inventory Management in single solution; Interface with Container terminals
- Rake Scheduling, tracking and planning based on POOL sharing, Destination wise, double stack
- ITV Pool Management with Equipment status monitoring
- Work Instruction Management for Job Orders to ITVs and RMG / RS for Rail Operation
- Work Instruction Management for Job Order to ITV's for Container / cargo movement from /to Terminals
- VMT and HHT Interface for Work Instruction management, provides online pendency of work micro level
 - And overall picture
- Graphical Rail Plan and Yard Plan
- 3rd Party Truck Operators Management
- ICD Gate Management
- Customer Billing for Handling and Storage based on duration wise, rake wise
- Terminal Billing Reconciliation for internal moves

Key products and their features

WMSMag 1.0

Industry segment catered to -

Warehouses. WMSMag streamlines the process flow of Warehouse Operation with automation of warehouse process

Product Features

- Warehouse Operation – General / Automobile/ Pharma / FMCG / Cold Storage / Co-lateral / Agriculture products
- Configuration / Designing Warehouse for different verticals
- Rack / Bin / Grid / Cage / Open Warehouse Configurations
- Inward / Outward online Operations
- Web API integration with ERP systems for ASN / DO / PO / Billing and other services
- Real Time Operation with Bar Code / RF Integrations
- Mobile App and Portal for Customer
- Auto Planning of Cargo Delivery based on various parameters
- Resource Planning and Scheduling
- Billing and credit controls
- Customer contract based on UOM / Rake / Bin / Weight / Volume / Lease or any other parameters respect to different commodity
- KPI and MIS Reports

WMSMag - Overview

Multi Modal Solution



A warehouse management system is a key part of the supply chain and primarily aims to control the movement and storage of materials within a warehouse and process the associated transactions, including shipping, receiving, put-away and picking. The systems also direct and optimize stock put-away based on real-time information about the status of bin utilization. A WMS monitors the progress of products through the warehouse. It involves the physical warehouse infrastructure, tracking systems, and communication between product stations



WMSMag is a versatile, real-time, RF and Barcode based WMS system that streamlines your fulfilment operation, making it more flexible, more productive and more profitable to operate. WMSMag transforms warehouse operations into a fully integrated logistics and fulfilment business. By enabling a company to take orders from multiple sources, process them in real time with mobile, and automating the shipping and billing processes, organizational efficiency will improve, with positive effect on the bottom line. WMSMag is built for 3PL, fulfilment, and distribution operations. It's ideal for operations where multiple owners of inventory, multiple clients, multiple locations and variable business Modals are required.

WMSMag – Modular Architecture

WMSMag 1.0 provides solution for

- Private Warehousing for operated by the firm owning the product
- Public Warehousing for hires out space and services
- 3PL Logistics provides solution to maintain all the customer services
- Agro-Warehouse module cover all the Agro operations like testing, fumigation process, Pest Management etc.
- Collateral / Bonded warehouse module cover cargo hypothecation process with banks
- Distribution Center Warehousing module covers - inventory management behalf of customer, consolidation, packing, break bulk process
- Cold Storage Warehousing module covers cold storage operations, temperature measurement process, quality testing etc.



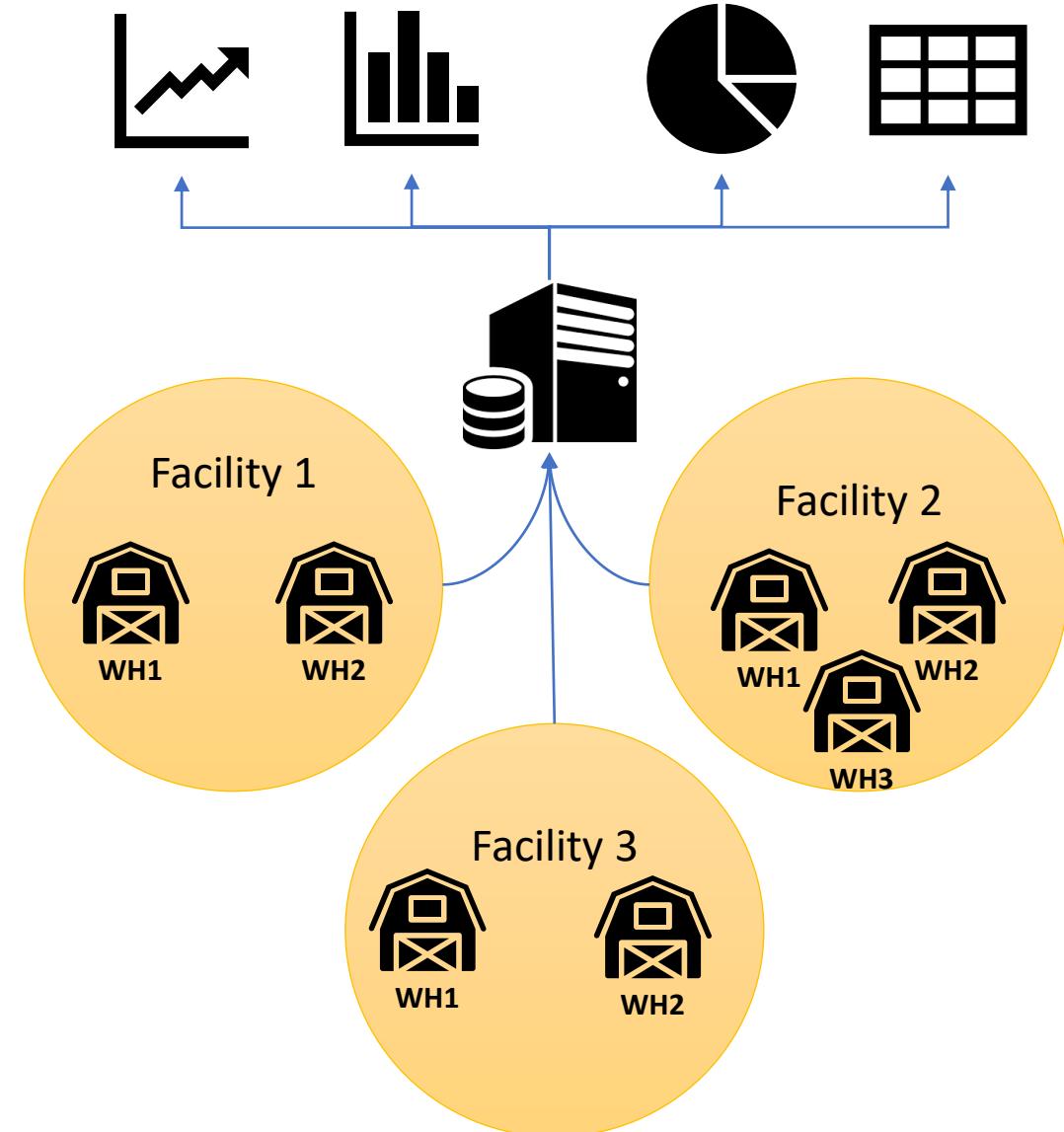
WMSMag – General Features

Centralized system with Zone, Cluster and Area Segregation	Cargo Control and Cargo Life cycle maintenance
Warehouse Lease Agreement Management for 3rd party Warehouses	Put away, Picking and Packing
Warehouse Insurance Management	Replenishment
Warehouse Security Management	Assembly
Commodity based Warehouse Management	Cross Docking
3PL Activity	Proximity determination
Multi Modal Services	Stacking limits
Review warehouse contents up to n - levels of detail	Integrate with RFId / Bar Code
Manage Inventory based on SKU (Stock Keeping Unit) and Multiple units of measure per item	Warehouse Availability Inquiry (mobile and web application)
Distribution Management	3D view of Warehouse
3rd Party Inventory Management	Alerts and Notifications
Warehouse planning and scheduling, Location Reservation	Realtime Integration for Job Orders with Other Modules
Value Added Services like Sampling / Re-packing / clearing / testing / fumigation	Web Services for 3rd party tool integrations
Billing based on Peak Stock, Average Stock, day-wise stock etc.	

WMSMag – System Architecture

WMSMag 1.0 designed for multi location and multi warehousing from centralized system.

- Web based software, provides facility anywhere any time
- Provides centralized solution
- Facilitate to define multiple facilities/locations
- Under each location, facilitates to define different type of warehouses
- All location/facility connects to central server, which maintain all the data
- Creating new Facility and Warehouse is user friendly, user can add any facility and warehouse
- MIS, Management Reports, Contract Management, Finance Control, Billing can be handled from centralize system



Key products and their features

Multi Modal Solution

FLEETMag 2.0

Industry segment catered to -

For Fleet Operators / Owners.
FLEETMag streamlines the process flow of Vehicle

Product Features

- Fleet Booking and Operation
- Vehicle and Tyre Management
- Stores and Inventory
- Maintenance and Repairs
- Indenting, procurement, Purchase and GR process
- Vehicle tracking and tracing through GPS and Google Maps
- Contract Management for long haulage and short haulage
- Driver / Crew Management
- Vendor Contract for Vehicle hiring
- Trip Optimization through vehicle / route planning
- Dashboard of fleet through Google Map with alerts and controls
- VMT on Vehicle for Job allocation and monitoring
- Authentication of delivery through Mobile App by Crews with digital signature
- KPI and MIS Reports

FLEETMag - Overview

Stores and Inventory

- Transportation Booking
- Booking Confirmation
- LR Preparation
- Query Answering

Documentation

- Transportation Booking
- Booking Confirmation
- LR Preparation
- Query Answering

Operation

- Trip Sheet Creation
- Activity updation
- Survey updation

Tracking and Tracing

- Cargo Tracking
- Vehicle Tracking

Planning

- Vehicle allocation
- Crew Allocation
- WH Allocation

Billing

- Trip Sheet Settlement
- Customer Billing
- Vendor Billing

Maintenance and Repairs

- Preventive Maintenance
- Breakdown Handling
- Repair Management

FLEETMag – Modular Architecture

FleetMag 4.0 designed with tight interface APIs which used for online interface with VnVCS products like CFSMag, CMRMag, Rail Freight, Empty Yard and other ERP solutions like SAP, Maximo, BI

FleetMag 2.0 provides solution for

- Own / 3rd party Vehicle Profiling, alerts based on different parameters such as PMC Schedule, Insurance expiry, lease expiry, Tyre change alert etc.,
- Own / Contracted employee management
- Complete Fleet Management interface with GPS Devices, GPS tracking of Vehicles
- Resource Management including Human Resource and Equipment
- Interface with CFS / ICT Terminal Operation
- Interface with Warehouse Management with 3PL activities
- Transportation for Project Cargo, Liquid Cargo and Break Bulk Cargo Management
- Integrated with Container / Vehicle Repairs and parts inventory
- Mobile App for tracking of Bookings, Cargo, Service and Vehicles
- Online Data capturing for Services handling against fleet
- Diesel Management, Tyre Management

FleetMag 2.0



FLEETMag – Benefits

- DMS provides easy way for Documentation Management covers recording scanned documents at all stages through the Portal
- User Define EDI Engine – Provides rich facility for EDI generation which can be configurable for any EDIs
- Internet / Intranet based application provides process through cloud and internet
- Mobile based application provide on the go status view and updation
- Tracking of Vehicle any time any where, along with current job execution and status
- Driver Performance monitoring through card readers data capturing with job cards
- Online Data Capturing for surveyors, packing, loading, groupage etc.
- Multi Modal Management provides rich customer services like Agriculture cargo operations, tankers.
- Customized Billing configuration provides configuration of billing based on customer requirements
- API for Interface with 3rd Party tools like Mobile Apps, SMS, Portals
- BI Solution provides profitability of cycle, sector, commodity, customer, service and much more drill down
- Dash Boards and Reports provides online analysis to the management
- Reefer Management facilitates to record reefer temperature online using interfaces