



*"Winning with Exensys Where innovation is Tradition"*

## eXensys Supply Chain Management



# Agenda

*An Introduction*

*Needs*

*Challenges*

*Solution*

*Product Suite*

*Benefits*

# Introduction

eXensys SCM streamlines the flow of Material, Information and Money, across the entire supply chain, with in-depth interdependencies among all elements of the same.

Building complete logistics plan with its execution, and ensuring its coherency with the organization's value chain (Procurement - Inbound Logistics – Manufacturing – Warehousing – Sales - Outbound Logistics) is the core objective of eXensys SCM.

Precisely it manages all movement and storage of material across the supply chain.

# Needs

- Having the grip of the complete in-Bound, Out-bound and Reverse movements of materials.
- Managing Internal cargo movements.
- Ability to operate in a mixed environment of Owned and Hired units.
- Optimizing all organizational resources including the Logistics resources.
- Absolute cost monitoring and control of Logistics Operations
- Ability to hire transportation service with the best price.
- Transport Cross Docking.
- Managing special situations like accidents, breakdowns, trans-shipments, return trips etc
- Minute tracking the in-transit and docked material across the distribution chain.
- Tracking Fuel Consumption.
- Fleet Management

# Challenges

- Planning the Integrated movement of materials, meticulously.
- Logistics Resource Optimization
- Timely availability of the requisite material.
- Track and Trace of the Logistics Operations.
- Cost Controlling of Logistics Operations
- Getting the Best Rates form the Logistics Service providers.
- Freight Costing and Payments.

# The Solution

eXensys Industry Trading Solution's Supply Chain Management provides the Integrated Logistics Solutions comprising of In-Bound, Out Bound and Reverse Logistics for Enterprises having owned fleet, hiring fleet or a mixture of both.

The solution handles the end-to-end Logistics Life Cycle, right from the Logistics Request Processing to Scheduling Carrier, Route, Fuel Consumption and Load through the respective optimizations, to Loading/Un-Loading, freight costing and payments, with the capability to maintain the fleet and monitor their movements.

Precisely it provides a comprehensive solution for Logistics Planning, Logistics Execution and Logistics Monitoring, along with the Fleet Management.

# eXensys Supply Chain Management

- Fleet Management
- Logistics Planning
- Logistics Execution
- Logistics Monitoring and Performance Management

# Fleet Management

- Fleet Management
  - Fleet Formation/Definition
  - Fleet Administration
  - Fleet Maintenance
    - Preventive Maintenance
    - General Repairs
    - Accident Maintenance
    - Breakdown Maintenance
    - Spare-parts and Tools Maintenance

# Logistics Planning

- Advanced Logistics Planner (ALP)
  - Logistics Request Processing both at Tactical and Operational levels
  - Forming Loads
  - Forming Load Lines
  
- Transportation Procurement
  - Load Tending
  - Getting the Quotation
  - Forming THC
  - Awarding the Tender to the logistics service providers
  - Freight Costing and supplier payments
  
- Trip Planning
  - Route Optimization
  - Carrier Optimization through AFD (Active Fleet Determination)
  - Fuel Consumption and Procurement Optimization
  - Transit Planning

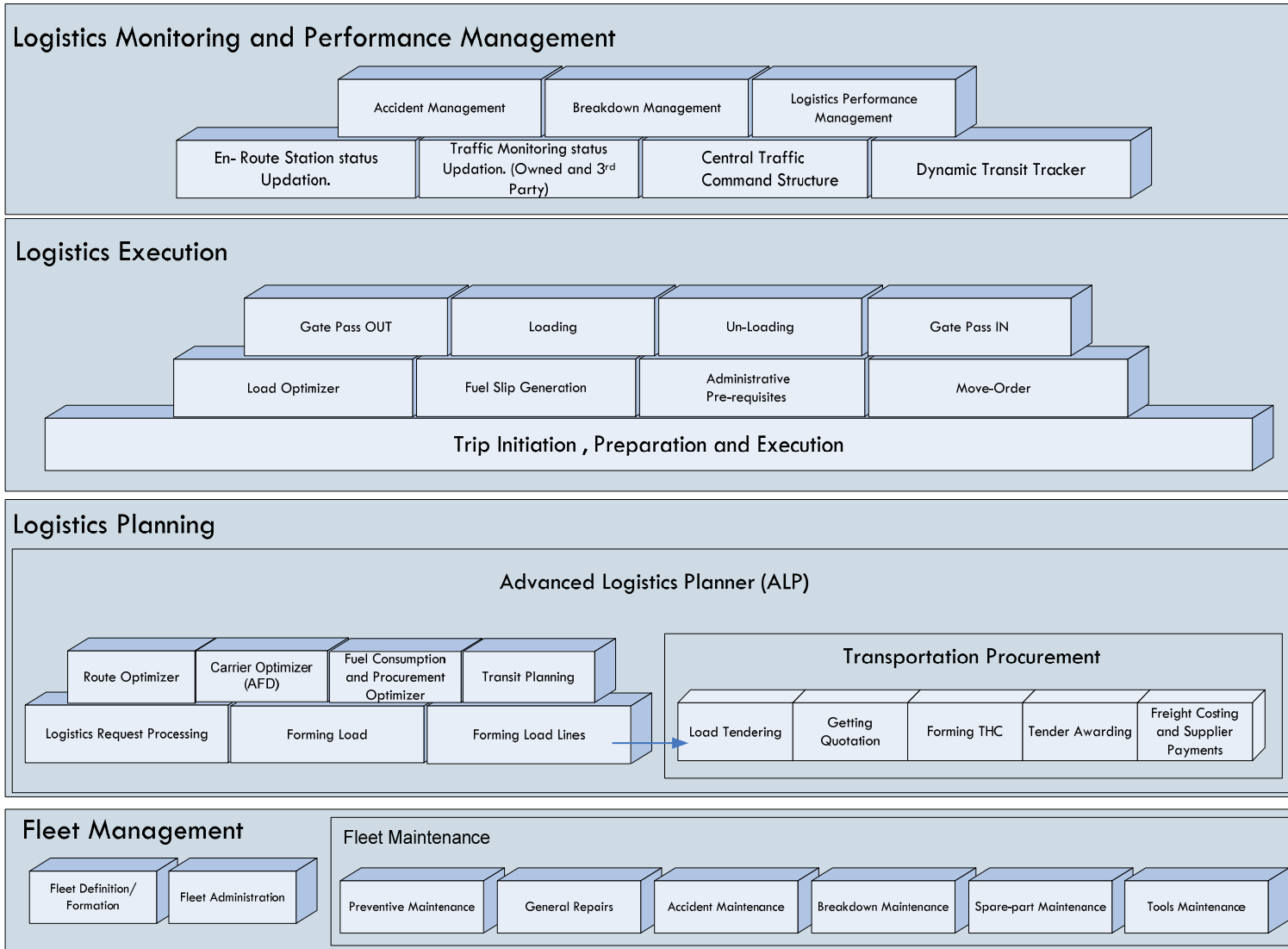
# Logistics Execution

- Trip Initiation, Preparation and Execution
  - Fuel Slip Generation and auto-PO Generation
  - Load Optimizer
  - Executing administrative pre-requisites.
  - Move Order (with Transshipment and Return Trip optimization)
- Gate Pass OUT/IN
- Loading and Un-Loading
  - Multiple Loading and Un-Loading for trip with any logical sequence of the same.  
E.g. ( LLLL - UUUU, L – U – L – U, LL – UU, L – U, U, U..)  
L: Loading, U: Un-Loading.
  - Processes multiple consignment types  
viz. Commodity, Bulk Cargo, Containerized, Piece Shipments etc..  
across their different state of matters and transport conduciveness.
  - Loading and Un-Loading processing with configurable route optimizations and cross docking schedule optimizations.
  - DEPS Tracking and POD generation, at the Un-Loading.

# Logistics Monitoring and Performance Management

- En- Route Station status Updation
- Traffic Monitoring status Updation (Owned and 3<sup>rd</sup> Party)
- Central Traffic Command Structure
- GPS and Smart Card based tracking Compatible.
- Dynamic Transit Tracker
- Accident Management with necessary maintenance and recovery- operations planning and execution.
- Break Breakdown Management with necessary maintenance and recovery- operations planning and execution.
- Performance tracking of personnel and incentive/commission generation and disbursement.

# The Product Suite



# The Product Suite – Other Key Features

- Highly configurable apps. set-up to simulate the actual business environment.
- Proprietary algorithms for Route Optimization, Carrier Optimization and Fuel Consumption Planning.
- Transport Cross Docking
- Web Portals for transport service providers, to receive RFQs, posting Quotes and getting tenders awarded.
- Complete Track and Trace flexibility.
- Compatibility for GPS and 3<sup>rd</sup> Party tracking.
- Strict DEPS (Damage, Extra, Pilferage and Shortage) and POD (Proof of Delivery) tracking.
- Ability to handle any logical sequence of Loading and un-Loading.
- Extensive Fleet Management with complete Fleet Maintenance capabilities.
- Handling Accident and Breakdowns.
- Managing special situations viz. Transshipment, Return Trips and TCD (Transportation Cross Docking)

# Benefits

- Minute tracking of all the Operational Elements with absolute cost measurements empowers enterprises with strict cost
- Logistics Planning through ALP, optimizes the logistics resources, hence directly contributes to the bottom line.
- The Load Tendering process allows the transport partners to view the tendered loads and posting their Quotations with response to that.
- The comprehensive Load Tendering process, empowers the Organizations to have the best rates from the logistics services.
- This transport procurement process empowers the partners to plan their resources.
- Optimized Route, Carrier and Fuel Consumption, lowers the operational cost, hence directly affects the bottom line positively.
- Dynamic Tracking System gives absolute visibility of the stock in movement.
- Managing special situations , viz Accidents, Break Downs, Transshipments effectively, yields greater customer satisfaction
- DEPS Tracking with POD ceases the revenue leakages.



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Thank You