enmovil

Predict. Plan. Execute.

Proposal Document for Automated Freight Verification

Ashok Leyland

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Founding Team with excellent Technology Expertise

Ravi Bulusu

Founder & CEO

MS Electronics Engg. University of Texas, Austin | JNTU

23+ Years in Engineering & SoC Design

Autonomous Car Technology

First gen iPod's SoC design team

Nanda Kishore

Co-Founder & COO

CS Graduate, Osmania University

22+ Years in Software Development

Built world class cloud compute platforms

Venkat Moganty

Co-Founder & CTO

MS Engg/Industrial Mgmt, University of York

22+ Years in Firmware development

Autonomous Car Technology

First gen iPod firmware team

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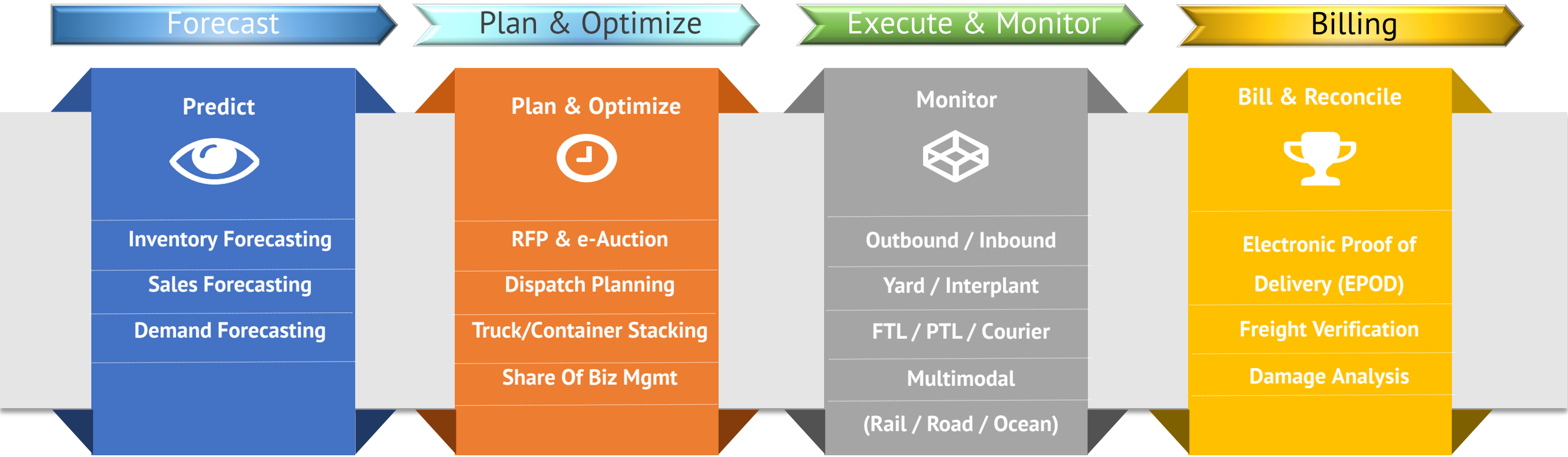
Enmovil's Enterprise Supply Chain: End to End View



Decision Empowering Insights: Forecasting, Analytics & Machine Intelligence

AI Driven Forecasting	ETA Prediction	ML Route Analytics	Weather Impact Analysis	Cross Modal Optimization
TAT (load/unload) analysis	Dispatch Planning	Return Trip Analytics	WhatsApp ChatBot	Diesel Price Updation
KPI Monitoring	Milk-Run Optimisation	Eway Bill Integration	Govt ULIP Integration	Deviation Analysis

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Supply Chain In a Box: Realizing Benefits

Forecast

optiPred

- Inventory & Demand Forecasting
- Consumption Insights & patterns

> 90% prediction accuracy

1—20% reduction in Inventory CapEx

Plan & Optimize

optiRun

- Load & Route Planning
- Automated I/B & O/B Dispatch Planning
- Capacity Optimization.
- Intelligent Stacking.

> 10% reduction in dispatch cost

>5% reduction in resource utilisation

Execute & Monitor

autometrics

- SKU Level Visibility.
- Rail, Road, Ocean &
- Courier tracking
- Weather & Toll integration.
- Best Route Recommendation
- Tpt Performance Scorecard
- Return Trip Analytics

15-20% increase in TAT

> 10% reduction in logistics cost.

Billing

Intelli-B

- Electronic Proof Of Delivery
- Freight Verification & Approval
- GST Verification
- Vehicle Fitness Checklists
- Bill reconciliation

40-60% reduction in Freight settlement time

80% reduction in invoice generation & verification

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Supply Chain In a Box: Enmovil's Unique Value Proposition

Forecast

- SKU level inventory / sales forecasting
- State-of-the-art "Bag-of-models" based forecasting algorithms.
- "Reproducible" Forecasting
- Advanced "What-If" analysis

Plan & Optimize

- Multi-factor Route Planning with built-in load optimization.
- ML driven auto load correction
- Seamless import / export booking management across all stakeholders.
- AI driven auto-clustering for minimal dispatch cost.
- Multi-constraint capacity optimization
- Automated long-term resource utlisation.

Execute & Monitor

- Best Route Recommendation
- ML driven ETA estimation for delivery.
- Weather & Toll integration. Alternate Route Recommendation
- LSP Performance Scorecard
- ULIP Integration. (eWayBill, FasTag, Driver KYC, Vahan, Challan etc).
- Driver Behavior Analysis
- LSP Return Trip Analytics

Billing

- Fully Integrated ePOD
- Automated GST Verification
- Freight Verification & Approval
- Vehicle Fitness Checklists
- Bill reconciliation
- Transporter Contract Management
- Damage Analytics

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Our Marquee Customers

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Problem Statement

Thru Platform

Manual Process of Bill Verification

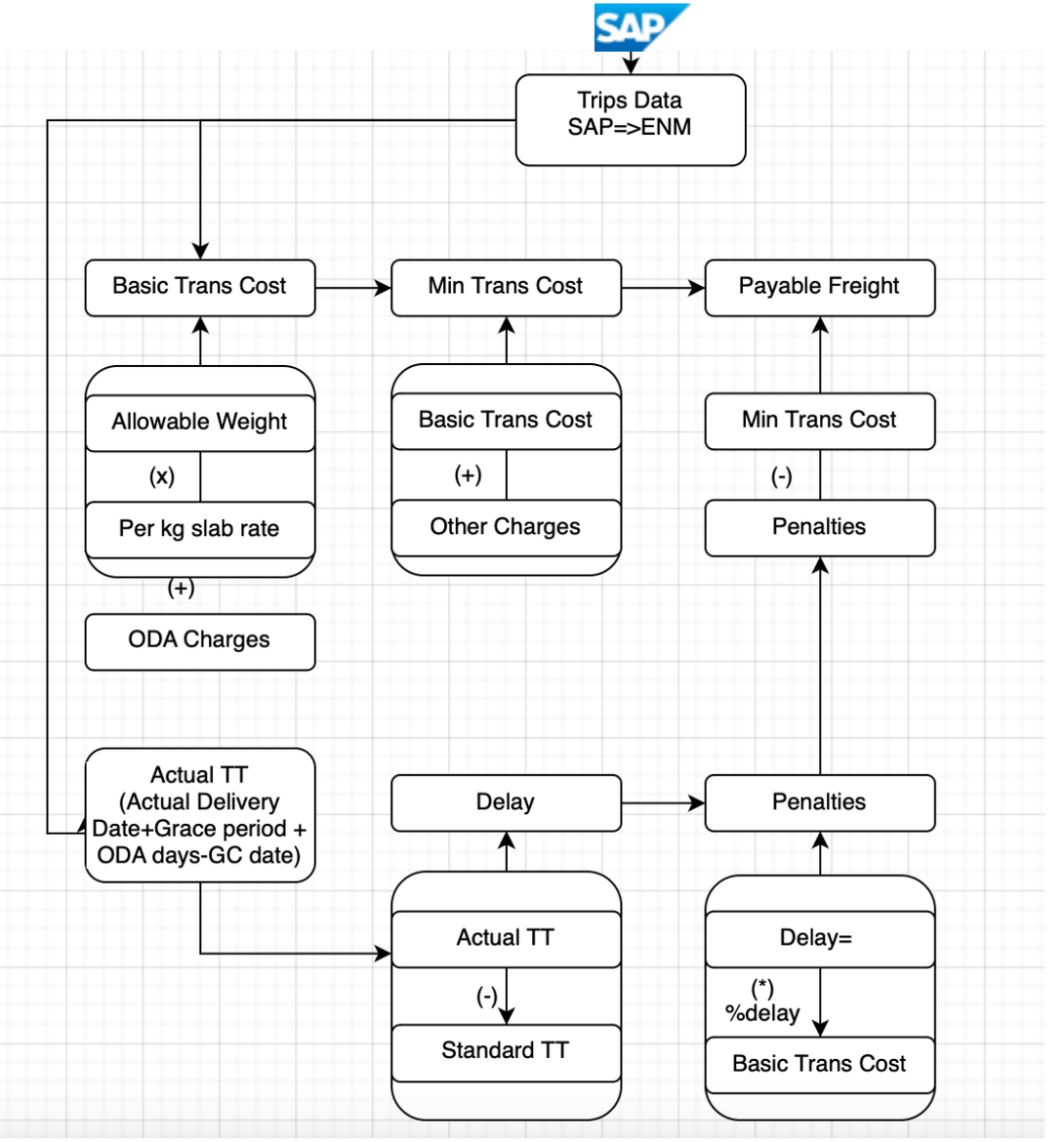
Time consuming and prone to errors

No Real time Freight Estimates

Delays in Financial reporting

Rework required for penalty calculations for Green Channel Sales

SAP Limitation



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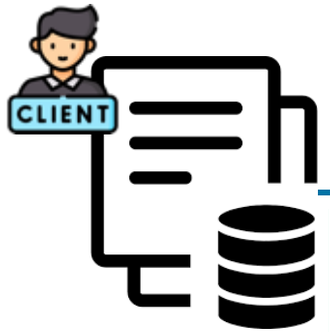
Proposed Solution (Billing): PTL Movements

Thru Platform



Trips Details

Excel /API Based data upload

Freight Rate Master

Transit Time Master

Input Range: Date, Time

Transporter Selection

Transporter date is taken as marked delivery date

Penalty Calculations and Net Freight Payable

Yes

No

Green Channel Sales

EPOD is taken as marked delivery date

Lane wise Base Freight Calculations

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Web Application

Transporter

Enroute Tracking

POD Upload & Delivery Date Update

Transporter uploads other cost detail

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TECHNOLOGY LEADERS IN SUPPLY CHAIN LOGISTICS

+91 9292 100 700

info@enmovil.in

www.enmovil.ai

Hyderabad, India