



Cargo Tracks – Fleet Management

Amit Mehetre, Digital Evangelist & Architect
L&T Infotech

Speaker Bio

- Digital Evangelist & Architect with focus on
 - Oracle PaaS Cloud
 - Enterprise Mobility
 - Analytics
 - Digital Transformation & Maturity Assessment



Agenda

- Challenges
- Business Objectives
- Facts & Figures
- Solution Overview
- Benefits

Case Study



Customer Profile

Supply Chain efficiency is a crucial business success parameter. Visibility, speed of delivery and proof of delivery embark the needs of dynamic market environment

- 
- *Industry: Travel & Logistics, Manufacturing*
 - *Customer: Manufacturing Fortune 500*

Facts & Figures

Dedicated, Hybrid, Market

Fleet Classification

16,000

Fleet Size

150,000

Ship To locations

SAP

ERP

6+

Existing OEM vendors

150 M

Messages/Day

250

Transporters

7000

Sub Transporters

\$880K

CAPEX investment

BUSINESS PROBLEM



Challenges



Device Governance

- Hired Trucks
- Repair / Replacement



Device Configuration

- storage capabilities, Offline Mode.
- Standard Configuration / Data capture



Trip Tracking

- Route Deviations - Pilferage & Possible Theft of Goods, ETA .
- Delay in Accidents reporting



Transporter Mapping

- Fleet changes its bond/contract
- Fleet tracing capabilities



E-Proof Of Delivery

- Traditional way of Proof of Delivery leading to a delay of process & trip closures.
- Ship to Sold To confirmation – not automated

SOLUTIONING APPROACH



Business Users Workshop

- Device deployment and Governance Models
 - ✓ Plug & play
 - ✓ Fixed
 - ✓ Hybrid
- Device Model comparison
- Cost comparison
- Ground Level Challenges



Business Objectives

OPERATIONS EXCELLENCE

TRIP SAFETY & SCALABILITY

VENDOR SELECTION THROUGH ANALYTICAL INPUT

REAL TIME VISIBILITY & DRIVER RATING

CUSTOMER DELIGHT

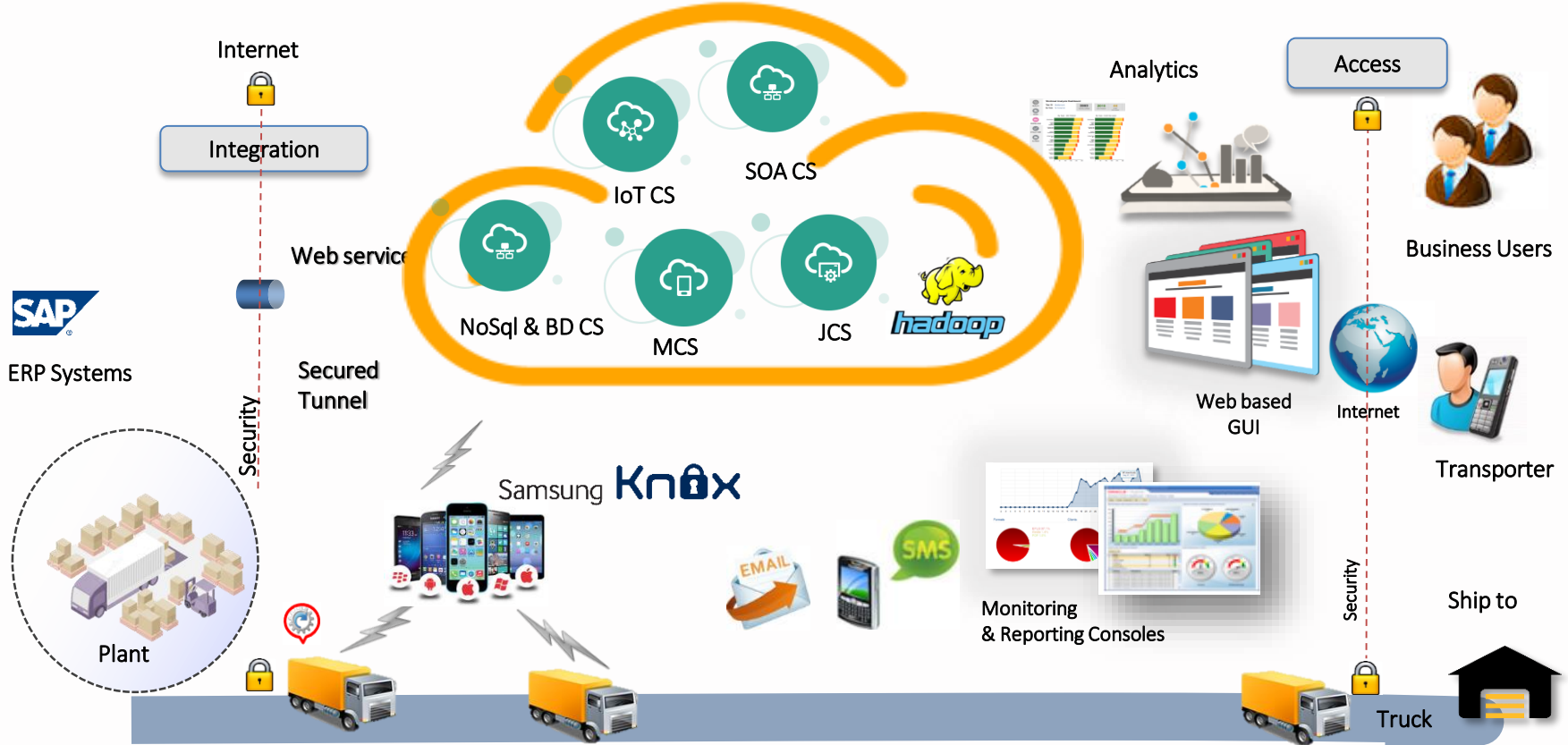
ON TIME IN FULL & ACCURATE DEMAND FORECAST

INSIGHTFUL DATA FOR BUSINESS DECISIONS

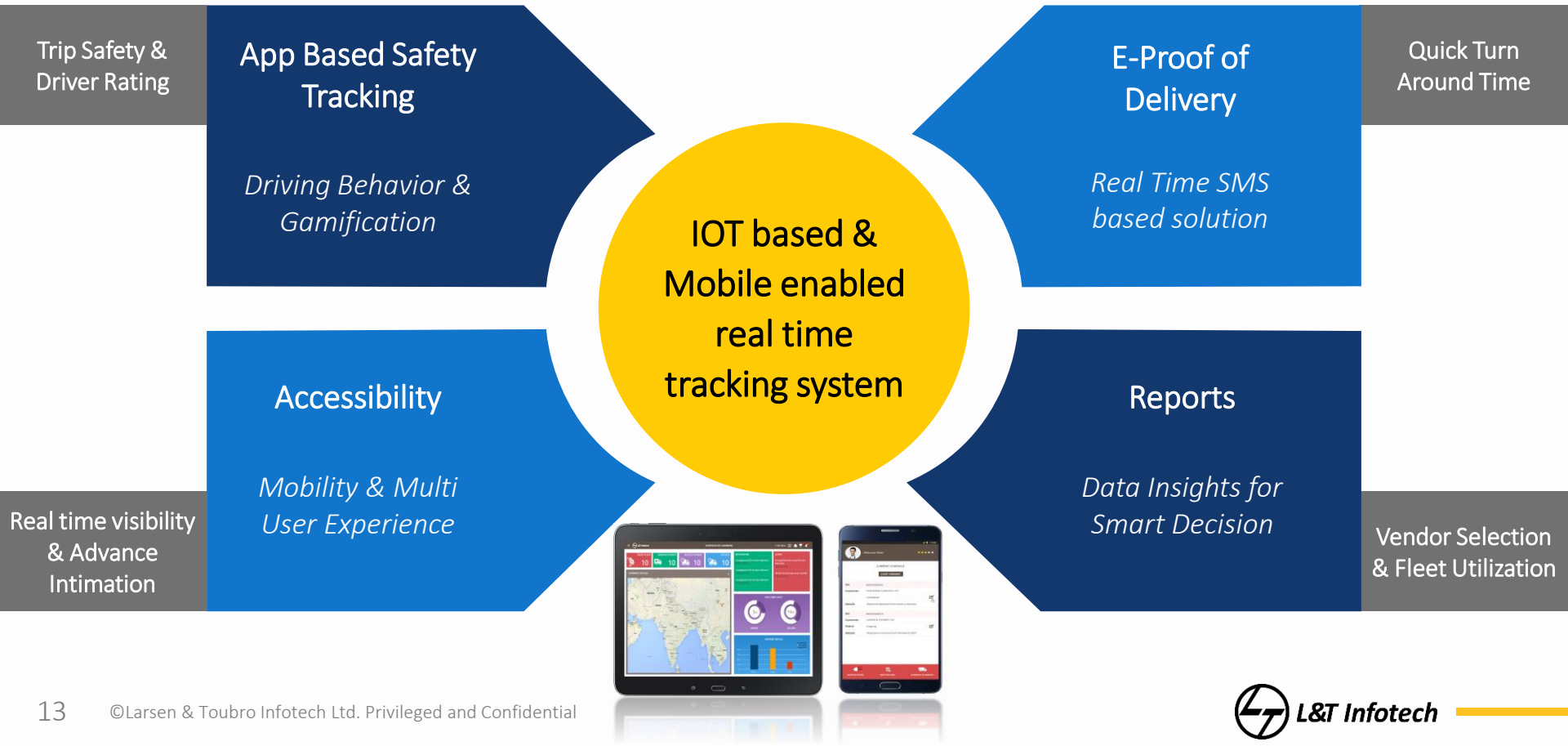
FLEET UTILIZATION, IMPROVE MARKET SHARE



IoT based Solution Architecture



Solution Components – Addressing Business Objectives



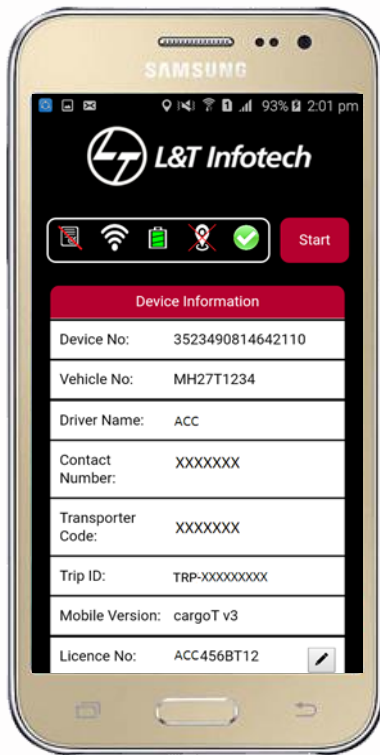
Solution Components & Features Leveraged

Device	 GPS Tracking	 Easy Plug n Play	 Voice Alerts	 Tilt Sensor	 Remote Configuration	 24hrs Offline 4 days Battery
Tracking	 Live Tracking	 Find Near By	 Geo Fencing	 Driving Pattern		
Reports	 Travel Reports	 Exception Reports	 Offline Device	 Safety Rating		
Portal	 Dashboard	 User Based GUI	 Trip Playback	 Route Mapping	 Alerts	 PI Integrations
Automation Digitalization	 Analytics	 Helpdesk	 Mobility	 SMS/Email Notifications		

Actual Pics of Solutions and Dashboard



Hardware Components



Actual Site Pics



Demo



Benefits to Business & ROI



Improved Market Share



40% Cost reduction – Capex Component



Safer Drives with Preventive Measures



More than 30% improvement in fleet utilization



Optimized Cash Flow , real time proof of delivery



Our IoT & PaaS Based Solutions



L&T Infotech's IoT based Service Deionization solution that connects scattered filters, customers, manufacturers and technicians to provide preventive water purification while optimizing inventory and lowering operational costs.



L&T Infotech's IoT and RFID based solution measuring the cumulative time a cold storage item (refrigerated and/or frozen) is out of its native or base storage condition throughout the course of its life



L&T Infotech's IoT based Industrial Pump Optimization allows complete control of pumps installed at remote locations. The solution provides direct visibility of operating to perform predictive and prescriptive maintenance.



L&T Infotech's Heavy Asset Management solution that provides asset tracking and monitoring tools to enable the monitoring of utilization of assets, fuel consumption, proactive maintenance and survival probability. The solution reduces operating expenses to help improve business profitability.



L&T Infotech's Oracle Business Processes Cloud Service based ExOn is a transformational solution aimed at revitalizing employee on-boarding experience and enabling resource billability from day one.



Visual Cargo for fleet safety and shipment tracking with enriched customer experience. This solution replaces telematics devices installed in trucks with a mobile solution leveraging sensors.



L&T Infotech's PaaS based Merchant Onboarding Solution driven by Oracle Process, Integration & Document Cloud Services' is a structured, standardized and an automated process enabling lasting relationship with your Merchants.

BIWA SUMMIT 2017 WITH SPATIAL SUMMIT

THE Big Data + Analytics + Spatial + Cloud + IoT + Everything Cool User Conference
January 31 - February 2, 2017